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## PREFACE

Envisioned by the Nehru Memorial Education Society Kanhangad and established in 1968, Nehru Arts and Science College Kanhangad, Kasaragod Dt., affiliated to the Kannur University has been imparting quality education for the last 49 years as one of the most prestigious Arts & Science Colleges in North Malabar. The institution aims at serving the educational requirements of the people of Kasaragod District, most of who are economically and socially backward.

As a recognition of its endeavours and achievements in the academic, cultural and social realms, NAAC had accredited the College with 'B+' Grade in 2006, and the institution was re-accredited with 'A' Grade having a CGPA of 3.07 on a four point scale in 2012. The College was recognized as 'Green Campus' by the Government of Kerala. Maintaining a balance between curricular and co-curricular activities, this institution has made a remarkable performance and produced more than 100 toppers in University examinations since its inception.

College has an impressive track record in competitive examinations. Our students take part in University/State/National sports and games competitions and bring laurels. The College has been the Champions/Runner-up at University Fine Arts Festivals for the past several years. The college is well known for the way it moulds the character of its students who are well aware of the responsibilities of a good citizen through the unique extension services.

Guided by our vision and striving to achieve the mission, the college takes all its efforts to ensure the quality of higher education in order to strengthen the core-values identified by the NAAC.

This Self Study Report covers the achievements, performances and practices of the college during the last five years. The SSR contains Executive summary, SWOC analysis, Profile of the College, Criterion-wise analytical report, Evaluative profile of the Departments and Post accreditation initiatives. Repetitions at different contexts are reduced optimally, by providing data and information related to various activities as Appendix.

We submit this Self Study Report to the NAAC for its consideration for the third cycle of accreditation.

Padnekat  
12<sup>th</sup> May 2017

Dr. P. V. Pushpaja  
PRINCIPAL

## **Executive Summary**

Nehru Arts and Science College Kanhangad, Kasaragod Dt., established in 1968 is an Aided College affiliated to the Kannur University, imparting quality education to the economically and socially backward zone of northern Kerala. "Education for all and all round development", is the declared objective of the Institution.

The college remains the most reputed institution of its kind in its zone by its remarkable performance in academic, research, cocurricular, extracurricular and extension activities.

College offers UG and PG programmes in science, arts and commerce, viz. 10 UG, 5 PG and 1 Ph.D. programme in Statistics. Out of the 10 UG programmes, 6 are in the science stream, 3 are in arts and 1 is in commerce. PG programmes are offered in Statistics, Physics, History, English and Commerce. The centralised computer centre named after the founder President of the college C.K. Nair, cater to the IT needs of the students and staff. The college is a study centre for UG and PG programmes of the affiliating university on the distance education mode.

In its forward march, the college ensures to impart the core values like contributing to national development, fostering competencies among students, inculcating a value system in students, promoting the use of technology, quest for excellence.

In 2012, the college was reaccredited with 'A' grade by National Assessment and Accreditation Council. Now the College is heading for the third cycle of accreditation.

### **Criterion Wise Summaries**

#### **Criterion I: Curricular Aspects**

The curriculum is designed and restructured at the University level. Yet our college has a pivotal role as most of the faculty is members of the Boards of Studies/Academic council of the University. They actively participate in the process of curriculum restructuring by attending discussions, seminars and workshops. A good number of faculty members who are not members of Boards of Studies also contributed in curriculum restructuring by participating the workshop conducted by the University for restructuring the syllabi.

The progress of the syllabi coverage and performance of the students in examinations are regularly monitored by the Academic Monitoring Committee and the HoD's. In addition to the curriculum, students are exposed to the latest developments in their respective fields by arranging guest lectures by experts from outside. During the commencement of each semester, the college frames detailed teaching plans and an academic calendar for effective transaction of the curriculum.

The college has implemented some novel schemes like Walk With A Scholar (WWS), Additional Skill Acquisition Programme (ASAP) and Scholar Support Programme (SSP) initiated by Kerala Higher Education Council. Feedback is collected from the students and parents to make sure that the stated objectives are achieved effectively. PTA meetings and tutorial meetings are also effective platforms for getting response on curricular and co-curricular activities. The college gives due importance for the development of soft skill, literary skill and entrepreneurship among the students.

Effective feedback system exists in the college. Feedbacks from students, alumni and parents are collected online from 2016 onwards. M.Com with Finance as specialization and BA Malayalam were introduced during the assessment period.

## **Criterion II: Teaching, Learning and Evaluation**

Admission to various programmes is solely based on merit of the candidate in their qualifying examination. 20% of seats for UG/PG programmes are reserved for SC/ST students. The college has a well furnished and maintained women's hostel. This is a boon to the women students since our catchment area includes remote hamlets from where daily conveyance is not possible. One seat is reserved for differently abled students in each class and assistance of scribes is made available to them on demand for writing the examinations.

The institution organizes orientation programmes/induction programmes for freshers both at the college level and at the department level. Special coaching programmes are conducted for SC/ST/OBC/Minority students with the support of UGC. To give access to the treasure of cyber knowledge, high speed internet facility with WiFi has been introduced in the college as a part of NMEICT project.

The college conducts large number of seminars, conferences, exhibitions, workshops, camps, film festival, quiz programmes, colloquium competitions, debates, book reviews, industrial visits, field work and study tour that helps the students to enhance the horizon of their knowledge

In continuation of the evaluation reforms adapted in 2009 during the implementation of Choice based Credit Semester System, in 2014, indirect grading was implemented. Project work, field work and study tour are made mandatory for completion of the programme. For the accurate analysis of the evaluation outcome, Student Management System, an intranet application developed internally by the Department of Computer Science, is being used.

The internal assessment is based on a predetermined transparent system involving written tests, assignments/seminars/viva and attendance in respect of theory courses and lab involvement and records, tests and attendance in respect of practical courses.

The approach in the assessment process has resulted in high pass percentage in the University examinations with a covetable number of University ranks/positions in various programmes. The students have the opportunity to approach three tier Grievance Redressal committees at the Department, College and University levels.

High end learners are exposed to advanced level areas of various programmes through Walk With A Scholar, invited lectures, workshops, colloquium, projects, interactive learning through simulations, e-learning etc.

## **Criterion III: Research, Consultancy and Extension**

Department of Statistics is having a recognized research centre of Kannur University from 2001 onwards. The Department of Physics has applied for a research centre. The Department of Science and Technology has sanctioned Rs. 1,10,00,000- to the college under the FIST programme out of which Rs. 60,00,000 is exclusively for setting up of a centralised research laboratory. The institution has a Research Advisory Committee to guide the students and faculty. The Committee initiates to inculcate research aptitude in the institution.

Out of 56 permanent faculty members, 26 have obtained their Ph.D. and 10 are actively doing their research. 9 teachers retired during the assessment period were Ph.D. holders. Apart from Ph.D. holders, 11 faculty members possess M.Phil. degree. 2 teachers retired/relieved during the period were M.Phil. degree holders. 16 faculty members have both Ph.D. and M.Phil. degrees.

11 faculty members of the institution guide the research work of 21 scholars at present. 11 minor projects were awarded/completed to the faculty members during this period. The Departments of Chemistry, English, Economics and Commerce have received grants for Minor

Research Projects from UGC. 204 research papers have been published by the faculty in national and international journals during the assessment period. 50 research papers have been presented in national/international conferences/seminars. The students of the college have 7 research publications.

Teachers from the Departments of Botany, Mathematics, Physics and Statistics have served as reviewers and referees of International Journals or e content for MOOC of CECU. 88 seminars/workshops have been conducted in the college during the assessment period. Teachers have attended 250 national/international seminars/conferences and workshops. To disseminate the research output among the academicians and research scholars, the college is publishing a research journal 'Academia' (ISSN No. 2395 -7050). 140 workshops/training programmes/sensitization programmes were organized by the Institution. A few staff members take initiative for collaborative research with scientists from institutions of national reputation. The college has instituted state level Doctoral Dissertation Award for the best Ph.D. thesis in Physics for attracting eminent researchers and to disseminate their knowledge.

The policy of the college is fostering and promoting consultancy services through the promotion, development and strengthening of consultancy skills of the faculty. A Consultancy Advisory Council (CAC) is constituted with the intention of establishment of institution-industry interface and institution-institution interface. Free consultancy is provided by many of the faculty to the research scholars, institutions and to the general public.

The college classifies the extension activities into charity, blood donation, infrastructure development, construction of houses, environmental cleanliness, anti drug activities, literacy, health awareness, cancer detection and eradication, gender equality, eradication of superstition, exploration, surveys, national integration, secularism etc. NCC, NSS units and various clubs of the college have contributed profusely to the society through their extension activities.

The State Government awarded the Kerala State Green Campus Award for our college during the year 2013-15 for our exemplary contributions in the extension activities in the area of environmental protections. Our NSS unit was adjudged as the best unit and the program officer was adjudged as the best officer by Kannur University in 2014.

#### **Criterion IV: Infrastructure and Learning Resources**

Infrastructure facilities in the college are envisioned and equipped for the convenience of the students and the staff. High speed Internet facility with WiFi is introduced in the campus under NMEICT project through optical fibre cabling. The facility is available to the faculty and students of the college free of cost.

20 class rooms have been upgraded into smart class rooms. Language Lab is equipped with latest software for teaching language skills. Waste management and renewable energy source is introduced for Bio-degradable waste management. Centralized Computer Centre has been renovated by increasing the number of computer terminals to 60. Uninterrupted power supplies like generators, UPS and inverters were procured during the assessment period 2012-16. The computer-student ratio is 1 :10 is maintained in the college with the help of 140 desktop computers and 21 laptops.

A well established library building with special reference section houses more than 31000 books, 81 journals, periodicals, dailies etc. E-journals are available through N-LIST, DELNET, and DPSACE. Browsing in the Library is supported by the software KOHA. Computer assistive technology for differently abled persons is introduced in the Library and the Centralised Computer Centre.

Teachers are given orientation and are encouraged to use interactive simulations like PhET

simulations, simulations from VIRTUAL LABS (an initiative of MHRD under the National Mission on Education through ICT), ONLINE LABS (an initiative of Ministry of Electronics and Information Technology).

### **Criterion V: Student Support and Progression**

To support students from socially and economically weaker sections, a large number of endowments, scholarships and financial aids are instituted at department and college level through agencies like PTA, Alumni, Management, retired teaching and non-teaching staff, staff members etc.

The students are given motivation to appear for competitive examinations. The Alumni, the CCIG and various other departments give regular or occasional training programmes to build competency among students. The college has a very effective tutorial system in which a tutor is in charge of a class. The tutor looks into the academic, personal, career, psycho-social matters of the students. During the last five years, many students have got placement in well known companies and institutions with the help of CCIG and Placement Cell.

An anti ragging cell is functioning very effectively in the college based on the directives and guidelines from the Directorate of Collegiate Education, Government of Kerala

The percentage of student progression in the college shows an increase in the number of students opting for higher education or research.

### **Criterion VI: Governance, Leadership and Management**

The Principal as the Head of the institution coordinates and monitors the academic and administrative function of the college. All decisions related to policy matters and planning are taken by the College Council consisting the Principal, the Heads of the Departments and elected members. If the matter under consideration is related to students, representatives of student organizations are also invited for the meeting.

During the commencement of each academic year, the Management, the Principal and the staff members sit together to frame the policy and action plan for the year. The plans and policies are implemented by appointing various committees and are conveyed to stakeholders through meetings, circulars and publications like prospectus and handbook. The students are given ample opportunities to develop leadership traits by giving them various exposures.

The academic and administrative bodies of the institution function at three different levels viz., the management level, the college level and the department level.

The grievance redressal cell functions at five forums. The Students' Grievance Redressal Cell, The Employees' Grievance Redressal Cell, the Women's Cell, the Sports Students' Complaint Committee, the Internal Complaint Committee and the Anti ragging Cell.

The college has a mechanism for internal and external audit. The college has established the IQAC in June 2011 and it functions efficiently under the leadership of the head of the institution and IQAC coordinator in accordance with guidelines framed by NAAC.

### **Criterion VII: Innovation and Best Practices**

The NSS units, environmental club and biodiversity club are jointly maintaining an artificial forest behind the building in collaboration with the Biodiversity Board of Kerala. Bio-gas plants have been installed in the campus as well as in the ladies hostel as bio-degradable waste



management system. The practice gives the college a source of energy and disseminates to the students the practicability of such plants in their houses.

The students and staff of the college have got involved in many exemplary environmental conservation programmes. Some of the teachers are in the forefront leaders of district environmental organizations. The biodiversity club, NSS, NCC are planting trees every year in the college campus as well as at suitable places outside the campus. Different agencies of the college have planted and conserved mangroves in many river banks in the district.

Some of the Innovative measures and best practices include introduction of smart class rooms, High speed Internet through optical fiber cabling and WiFi Campus, online Student Management System, Computer Assisted Technology for differently abled persons, Waste management and renewable energy sources, Online Learning Platform: Moodle, Online Feedback System, Socio Economic and Health Survey, Endowments and Awards, Free Wheel Chair, Blood and Organ donation, Tutorial System, Remedial Classes, Walk With A Scholar and Scholar Support programmes. Support for Palliative Care, the ‘Sneha Sparsham’ programme, Plantation - “Shantistal”, Mushroom Cultivation and Entrepreneurship, Bio-farming are some of such practices.

7 houses constructed by the Sahityavedi of the college to the endosulfan victims and the construction of a Buds’ school are two noteworthy activities.

The college reaffirms its commitment to quality education and its readiness to face the challenges in the higher education in conformity with the core values identified by the NAAC.

## SWOC ANALYSIS

Stakeholders participated - Students, Members of the Faculty, Non-teaching staff, Parents, Alumni, College Management

(SWOC Analysis was carried out through a series of interactions with the stakeholders through tutorial meetings, class-wise PTA meetings, General PTA meetings, Staff meetings, College Council Meetings, Departmental meetings, College Management meetings)

The College has a practice of conducting SWOC analysis at the Institutional and Departmental levels. The stakeholders who take part in the SWOC analysis emphasize the areas where upgrading/development/enhancement is required.

- Strength
  - High reputation of the college in the Malabar region of Kerala state
  - The institution is a Government aided private college
  - State level Green Campus Awardee
  - Regular financial assistance from UGC
  - Department of Science and Technology-FIST assisted College
  - Good Administration and discipline
  - Highly qualified and dedicated faculty
  - Excellent academic track record in university examinations
  - Highly studious and meritorious students
  - Cleanliness - well maintained campus
  - Online feedback system for all the stakeholders including Alumni and Parents

- Student Management System
- Financial supports through scholarships and endowments by the College Management, PTA and Alumni in addition to the Government scholarships
- Differently abled students friendly campus
- Computer Assisted Support for differently abled persons in the Central Library and in the Centralised computer Centre
- Well stacked automated library facility with in-house/remote library access
- Well equipped centralized computer centre for e-learning /learning through interactive simulations
- Efficient examination system
- Priority given for extracurricular and co-curricular activities in par with academic activities
- Commendable social performance by NCC and NSS Units
- Well maintained Infrastructure and laboratories with sufficient facilities
- Approved research centre in Statistics; Facilities in other disciplines for carrying out minor research work
- Regularly organizing Conferences/workshops/seminars for dissemination of knowledge in advanced areas
- Strong and regular Club activities for Environmental protection, Social enrichment and development
- Good counseling facilities, Women's cell and Anti-ragging cells
- Well furnished Women's Hostel
- Furnished Sports Hostel for men
- Good sports infrastructure, play ground and courts
- Free coaching classes for NET/Entry-In-Service for SC/ST/Minority students
- Appreciable number of NET/JRF/SET holders
- Good number of publications as Books/articles in leading magazines by the students
- Commendable Alumni support
- Active and creditable PTA support
- 20 smart classrooms for UG and PG and separate computer facilities for PG Programmes
- Wi-Fi campus and free unlimited high speed broadband through optical fibre cabling
- Biodegradable Waste Management System in both the College Campus and in the Women's Hostel
- Cordial College Management, Staff and student relations
- Continuous water supply from the own well
- Students' cooperative society and Credit society for student and staff welfare

- Weakness
  - Moderate placement opportunities
  - Lesser number of formal collaborations and MOUs with premier institutions
  - No add-on Courses
  - Lack of good Departmental library
  - Lack of approved Research Centers in all the disciplines
  - Low percentage of students seeking Higher education on completion of PG Programmes
  - Lack of High-class indoor courts and Gymnasium
  - No interdisciplinary programmes
  - Lack of international seminars
- Opportunities
  - Location of the college give immediate access from National Highway and Railway Station; Three hours journey from Mangalore Airport
  - Consultancy in major advanced areas like Nanoscience, Longitudinal Data Analysis, Statistical Mechanics
  - Improving language proficiency through Language lab
  - Good opportunity for sports and games
  - For E-learning and interactive simulations base studies using Wifi facilities, Smart Class rooms and Centralized Computer Centre
  - Student exchange facilities with similar Colleges within the affiliated university
  - Sophisticated Centralised Research Laboratory for advanced Science research under DST-FIST Programme (sanctioned)
  - More Research centers from Post-Graduate Departments with the potential
  - Collaborations and formal MOUs with major institutions in the region like Central University of Kerala, College of Agriculture, CPCRI, Pariyaram Medical College
- Challenges
  - Lack of placement opportunities after completion of UG and PG programmes
  - Lack of interest and involvement in sports by the girl students
  - Refraining from higher studies by a major portion of girl students after PG programmes
  - Delay in Government permission in filling up of vacancies of teaching and non-teaching staff
  - Unable to attract students both from south-Kerala and outside Kerala
  - Fall in the number of male enrolment in UG and PG programmes
  - Tight schedule of semester system

## Profile of the College

### 1. Name and address of the college:

Name	Nehru Arts and Science College Kanhangad
Address	Padnekat P.O, Kasaragod Dist. Pin: 671 314 State: Kerala
Website	www.nasc.ac.in

### 2. For communication

Designation	Name	Telephone with STD code	Mobile	Fax	email
Principal	Dr. P. V. Pushpaja	O: 0467-2284625 R: 0498-5261693	9446168593	0467-2280335	nascollegekanhangad@gmail.com
Vice Principal	-	-	-	-	-
Steering Committee Co-ordinator	Dr. K. Radhakrishnan Nair	O: 0467-2284625 R: 0467 - 2287060	9447393033	0467-2280335	rknasc@gmail.com

### 3. Status of institution

Affiliated College   
Constituent College   
Any other (Specify)

### 4. Type of institution

#### (a) By gender

i For men   
ii For women   
iii Co-education

#### (b) By shift

i Regular   
ii Day   
iii Evening

### 5. Is it a recognized minority institution?

Yes   
No

6. Source of funding

Government	<input type="checkbox"/>
Grant-in-aid	<input checked="" type="checkbox"/>
Self-financing	<input type="checkbox"/>
Any other	<input type="checkbox"/>

7. (a) Date of establishment of the college:

(b) University to which the college is affiliated:

(c) Details of UGC regulation:

Under section	Date, month and year	Remarks (if any)
i. 2(f)	19/01/1984	-
ii. 12(B)	19/01/1984	-

(d) Details of recognition/approval by statutory/regulatory bodies other than UGC: NA

8. Does the affiliating University Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges

Yes  No

If yes, has the college applied for availing the autonomous status?

Yes  No

9. Is the college recognized

(a) by UGC as a college with potential for excellence?

Yes  No

(b) for its performance by any other governmental agency?

Yes  No

10. Location of the campus and area in sq. mts.

Location	Rural
Campus area in sq. mts.	1,10,883.9
Built up area in sq. mts.	9,100

11. Facilities available on the campus or in case the institution has an agreement with other agencies in using any of the listed facilities, provide information on the facilities covered under the agreement.

- Auditorium/Seminar Complex with infrastructural facilities:

- An open auditorium with facilities to accommodate the whole college.
- A well furnished air conditioned conference hall with a seating capacity of 150, permanent multimedia facility, smart board, smart television and WiFi internet facility.
- A seminar hall with multimedia facilities and WiFi with a capacity of 300. Three seminar halls with multimedia facility and WiFi with a capacity of 80 each.
- A student centre with mini auditorium that can accommodate 200 students.
- A well furnished computer centre-cum-conference hall with a capacity of 60 computer systems and facilities like multimedia, internet, WiFi and surveillance camera for facilitating online examinations.

- Sports Facilities

- **Playground:** The college has a good playground and courts that provide our students with sufficient facilities for sports and games. There is a spacious sports pavilion, a football ground with 8 lane 200 meters athletic track, volleyball, ball badminton, shuttle badminton, basket ball, kho-kho, kabadi courts and a hockey ground.
- **Gymnasium:** The physical education department is equipped with a mini gym with basic facilities which is accessible to all staff members and students.

- Hostel

- Boys’ Sports hostel

i	Number of hostels	1
ii	Number of inmates	16
iii	Facilities	Mini Gymnasium

- Girls’ hostel

i	Number of hostels	1
ii	Number of inmates	78
iii	Facilities	Television, mini library, WiFi internet facility

- Working women’s hostel

i	Number of hostels	Nil
ii	Number of inmates	NA

- Residential facilities for teaching and non teaching staff: Nil

- Cafeteria:  
A well furnished canteen with a seating capacity of 72 for staff and students that provides food at subsidised rates. The working of the canteen is supervised by an advisory body of staff and students. There are separate rooms for staff and students. Energy requirement is partly met by the renewable energy produced from the bio-degradable waste management system of the campus.
- Health centre:
  - The students and staff are provided health services by the clinic in the immediate neighbourhood of the college which is owned by one of the management committee members. Consultation is free for students and staff of the college. In patient facility of the same clinic is just 1km apart. There is no separate health centre for the college.
  - The first aid facility is available in the college itself.
- Facilities like banking, post office, book shops:
  - One branch of Kerala Gramin Bank is situated just opposite to the college building, which was started mainly with the objective of serving the needs of the college.
  - There is a post office which operates in the room juxtaposing the college canteen, that is let off by the college. In the same building, there is a book shop run by the Students Co-operative Society of the college.
  - There are two ATMs just in front of the college and one in the neighbourhood.
- Transport facilities to cater to the needs of students and staff:  
The college is aside the national highway with frequent bus services, and there is a bus stop in front of the college.
- Animal house: Nil
- Biological waste disposal: Two bio-degradable waste management systems installed.
- Generator or other facility for management/regulation of electricity and voltage:  
One transformer(440kV/230kV), five generators, four inverters, ten UPSs (> 2 KV)
- Solid waste management facility:  
Yes. A solid waste compost is available.
- Waste water management:  
As the quantity of waste water is very low and it gets drained in the sandy area, no special facility is implemented.
- Water harvesting:  
By the topographical nature of the location, no water harvesting measures are required.

12. Details of programs offered by the college

Sl No	Programme Level	Name of the Programme	Duration	Entry Qualification	Medium of Instruction	Sanctioned or Approved Students	No. of students admitted
1	Under Graduate	B.A. Economics	3 Years	Plus Two	English	40	49
		B.A. History	3 Years	Plus Two	English	40	52
		B.A. Malayalam	3 Years	Plus Two	Malayalam	30	30
		B.Com.	3 Years	Plus Two	English	40	59
		B.Sc. Mathematics	3 Years	Plus Two	English	24	29
		B.Sc. Physics	3 Years	Plus Two	English	36	40
		B.Sc. Plant Science	3 Years	Plus Two	English	24	31
		B.Sc. Polymer Chemistry	3 Years	Plus Two	English	24	29
		B.Sc. Statistics	3 Years	Plus Two	English	24	29
		B.Sc. Zoology	3 Years	Plus Two	English	24	29
2	Post Graduate	M.A. English	3 Years	UG	English	15	19
		M.A. History	3 Years	UG	English	10	16
		M.Com.	3 Years	UG	English	20	25
		M.Sc. Physics	3 Years	UG	English	8	11
		M.Sc. Statistics	3 Years	UG	English	10	15
3	Ph.D.	Statistics	-	PG	English	-	-

13. Does the college offer self financed programmes?

Yes  No

14. New programmes introduced in the college during the last five years

Yes  No  Number

15. List the departments

Faculty	Departments	UG	PG	Research
Science	Botany	✓		
	Chemistry	✓		
	Mathematics	✓		
	Physics	✓	✓	
	Statistics	✓	✓	✓
	Zoology	✓		
	Computer Science	*		



Faculty	Departments	UG	PG	Research
Arts	Economics	✓		
	English	*	✓	
	History	✓	✓	
	Malayalam	✓		
	Political Science	*		
	Hindi	*		
	Sanskrit	*		
Commerce	Commerce	✓	✓	
Other	Physical Education	**		

\* Programmes offered only at Complementary/Common course/Open course level

\*\* Training on various sports items only

16. Number of programmes offered under

a. Annual system	Nil
b. Semester system	15
c. Trimester system	Nil

17. Number of programmes with

a. Choice based credit system	10
b. Inter/Multidisciplinary approach	Nil
c. Any other	5

18. Does the college offer UG and/or PG programmes in teacher education?

Yes  No

19. Does the college offer UG or PG programme in Physical Education?

Yes  No

20. Number of teaching and non-teaching positions in the institution

	Teaching Faculty								Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		Junior Lecturers		M	F	M	F
Positions	M	F	M	F	M	F	M	F	M	F	M	F
Sanctioned by the UGC/University/State Government												
Recruited	-	-	14	4	12	21	3	2	9	8	1	-
Yet to recruit	-	-	-	-	7	-	-	-	-	-	-	-
Sanctioned by the Management/Society or other authorized bodies												
Recruited	-	-	-	-	1	1	-	-	2	6	-	-
Yet to recruit	-	-	-	-	-	-	-	-	-	-	-	-

21. Qualifications of the teaching staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Junior Lecturer		Total	
	M	F	M	F	M	F	M	F	M	F
<b>Permanent teachers</b>										
D.Sc./D.Litt.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	11	2	6	7	-	-	17	9
M.Phil.	-	-	2	2	-	3	2	2	4	7
PG	-	-	1	-	6	11	1	-	8	11
<b>Temporary teachers</b>										
D.Sc./D.Litt.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	3	-	-	-	3
M.Phil.	-	-	-	-	-	-	-	-	-	-
PG	-	-	-	-	3	9	-	-	3	9
<b>Part-time teachers</b>										
D.Sc./D.Litt.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	1	-	-	-	1	-
PG	-	-	-	-	-	1	-	-	-	1

22. Number of Visiting Faculty / Guest Faculty engaged with the college: Nil

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2013-14		2014-15		2015-16		2016-17	
	M	F	M	F	M	F	M	F
SC	45	70	44	105	43	116	43	116
ST	18	35	16	43	11	54	11	54
OBC	140	533	139	525	105	489	105	489
General	73	246	86	277	110	322	125	376
Others	-	-	-	-	-	-	-	-

24. Details on students enrolment in the college during the current academic year

Type of Students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same state where the college is located	1118	164	0	0	1282
Students from other states of India	0	0	0	0	0
NRI students	0	0	0	0	0
Foreign students	0	0	0	0	0
Total	1118	164	0	0	1282

25. Drop-out rate in UG and PG (Average of the last 2 batches)

UG 6.6% PG 1.4%

26. Unit cost of education (Unit cost = total annual recurring expenditure (Actual) divided by total number of students enrolled)

a. Including the salary component	Rs. 67,943
b. Excluding the salary component	Rs. 8,483

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes  No

If yes,

(a) Is it a registered centre for offering distance education programmes of another University?

Yes  No

(b) Name of the University: Kannur University

(c) Number of programmes offered: 20

(d) Programmes carry the recognition of the Distance Education Council?

Yes  No

28. Provide teacher student ratio for each of the programme/course offered.

Sl. No.	Programme	Teacher Student Ratio
1	B.A. Economics	1:30
2	B.A. History	1:30
3	B.A. Malayalam	1:18
4	B.Com.	1:36
5	B.Sc. Mathematics	1:18
6	B.Sc. Physics	1:24
7	B.Sc. Plant Science	1:18
8	B.Sc. Polymer Chemistry	1:18
9	B.Sc. Statistics	1:18
10	B.Sc. Zoology	1:18
11	M.A. English	1:8
12	M.A. History	1:6
13	M.Com.	1:8
14	M.Sc. Physics	1:4
15	M.Sc Statistics	1:5

29. Is the college applying for

Accreditation: Cycle1  Cycle 2  Cycle 3  Cycle 4

Reassessment:

30. Date of accreditation

Cycle	Date of accreditation	Accreditation outcome
Cycle 1	21/05/2006	B+
Cycle 2	10/03/2012	A

31. Number of working days during the last academic year:

32. Number of teaching days during the last academic year:

33. Date of establishment of Internal Quality Assurance Cell (IQAC):15/06/2011

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR(i) 20/11/2013  
 AQAR(ii) 31/12/2014  
 AQAR(iii) 31/12/2015  
 AQAR(iv) 15/05/2017

35. Any other relevant data (not covered above) the college would like to include.

Nil

# Criterion 1

## Curricular Aspects

### 1.1 Curriculum Planning and Implementation

#### 1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

“Education for all and for all-round development” is the vision of the college. We have identified the following as our Mission Statements to translate the above vision.

1. To keep the facilities for higher education open to all irrespective of caste, religion, sex and economic status and thereby strengthen the knowledge base of the society.
2. To help develop the spirit of patriotism and secularism among the students.
3. To preserve the ethnic values and cultural heritage of this locality with special accent on its linguistic forms and folklore.
4. To conduct programmes and projects highlighting the challenges and trials faced by the society, to make the students alert to the threats of communalism, social fragmentation, exploitation and erosion of values.
5. To stimulate interaction of the student community and the society through programmes of specific social benefit.
6. To offer opportunities for higher education to all without any discrimination with regard to caste, creed, race, sex and economic level so as to enrich the knowledge level of the society.
7. To conduct programmes for inculcating the spirit of patriotism, secularism, social commitment and equity among the students
8. To preserve the ethnic values and cultural heritage of Kasargod, the extreme north of Kerala.
9. To conduct programmes by focusing on the multilingual diversities, folklore and tribal art forms in the locality.
10. To conduct programmes for equipping girl students to challenges and trials.
11. To conduct programmes for improving the social skills and interactions of students with the society.
12. To conduct value oriented programmes for maintaining social values.
13. To conduct courses and programmes for making the students more adaptable to the innovative advancement in technology.
14. To uphold the principle of “earning by learning”, conduct programmes to improve entrepreneurial traits and passion for agro based activities.

15. To initiate programmes for socio-economic empowerment of women.
16. To initiate programmes and practices regarding protection of environment and ensuring sustainability.

The Vision and Mission are communicated to the stakeholders through:

- Plaques exhibited outside the Principals office and inside all departments.
- College Website, Prospectus, Calendar.
- Tutorials and PTA meetings.
- Orientation programmes at College and Department levels conducted during the commencement of the first semester of each course.

**1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).**

- Teaching plan circulated among students in each semester
- Copy of the curriculum is supplied to the students.
- Collected feedback from students regarding the content, depth and practical implications of the syllabi. Corrections and modifications needed were also collected from them and intimated to the concerned statutory bodies of the University
- Class wise PTA convened in every semester to give a general idea about the curriculum to the parents also.
- The progress of the syllabi coverage and performance of the students in class/University examinations are regularly monitored by the Academic Monitoring Committee and the HoDs.
- The college calendar and website is updated with latest modifications in the curriculum.
- Remedial classes are arranged for slow learners and poor performers.
- Seminars, workshops and study tours are conducted to supplement the curriculum.
- ICT and other resources available at the college are used for the effective communication of syllabi to the students.
- In the new curriculum, project preparation is made mandatory from the part of each student. The students are advised to select the topics of social relevance like ecology, women empowerment, tourism, human rights, entrepreneurship, environmental protection etc. and advanced areas in science.
- In addition to the curriculum, students are exposed to the latest developments in their respective fields by arranging guest lectures by experts from outside.

**1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?**

- Based on the academic calendar of the University, the college plans its curricular and co-curricular activities.
- Orientation and refresher courses are conducted by the ASC of the University as well as the college.
- Workshops, seminars, symposium, debates, etc. are conducted by the University for the benefit of the faculty of the college.
- Different departments organize seminars and workshops aimed at effective translation of the curriculum.
- Faculty members are encouraged to recharge themselves with recent developments in their subjects by attending seminars/conferences, by achieving qualifications like M.Phil., Ph.D. etc., by availing FDP of UGC and by publishing papers in national and international journals.
- Faculty members are encouraged to apply for project and research grants of different funding agencies to enhance competence and to improve promotional avenues to the staff.
- Orientation and training programmes are conducted for the staff members by the IQAC
- Most of the faculty members have attended training programmes in connection with the implementation of Choice Based Credit and Semester System.
- 20 smart classrooms are provided for different departments and full time browsing facility (high speed internet through wired and WiFi) is given to the staff and teachers.
- Computer facilities are provided to all the departments apart from the state of the art centralized computer lab.
- A library with a very good collection of books is maintained in the college.
- N-LIST is subscribed to enable the teachers and students to refer a large number of online journals.

**1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.**

The college has comprehensive action plan to ensure effective curriculum delivery and transaction of the curriculum provided by the University.

- Transparent and merit based appointment method is strictly followed to ensure the quality of teaching. In case, appointment of permanent faculty could not be done in time for want of Government concurrence, the Management appoints guest faculties on contract basis. The PTA also extends financial supports for such appointments.
- Orientation and training are given to appointed teachers and they are continuously groomed through various Faculty Development Programmes.
- Infrastructure facilities that facilitate effective dissemination of knowledge are made available to the staff.
- A good collection of books, e-books and e-journals is available in the Library. Apart from this, students and staff have unlimited and free access to internet.
- During the commencement of each semester, the college frames detailed teaching plans and an academic calendar.
- The Academic Monitoring Committee monitors the timely completion of the syllabi and the conduct of internal examinations, seminar presentations, assignment submissions etc.
- Council meetings and department meetings are convened periodically to assess the progress of the curriculum delivery.
- Class wise PTA meetings are convened to assess student progress.
- Feedback from the students, parents and alumni are collected to see if the instructional methods are to be modified to meet the needs of the students.
- Field trips, industrial visits and visits to institutions of national importance are provided to students wherever necessary.
- Students are given opportunity to listen to and communicate with experts in various subjects via seminars, workshops and guest lectures.

### **1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the University in effective operationalisation of the curriculum?**

- The institution keeps good interaction with some industries to enable the students to get exposure about industrial processes.
- Research activities are promoted in the campus through workshops, seminars etc. conducted by different departments.
- The institution encourages faculty and students to take up projects sponsored by the Government funding agencies and to pursue research.
- Faculty members regularly keep in touch with their counterparts at different college and Universities and keep them abreast with the recent developments in their subjects.



**1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.**

Though the curriculum was designed and restructured at the University level, our college has a pivotal role as most of the faculty were members of the Boards of Studies/Academic council of the University. They actively participate in the process of curriculum restructuring by attending discussions, seminars and workshops. A good number of faculty members who are not members of Boards of Studies also contributed in curriculum restructuring by participating the workshop conducted by the University for restructuring the syllabi.

**Representation in Boards of Studies from 2012 to 2017**

Sl. No.	Name	Subject	Role	University	Period
1	N. C. Biju	English (PG)	Member	Kannur University	2013-15
2	O. Shayini	English (PG)	Member	Kannur University	2015 onwards
3	Dr. M. Ambikasuthan	Malayalam (UG)	Member	Kannur University	2013-15 and 2015 onwards
4	Dr. P. V. Reeja	Mathematics (UG)	Member	Kannur University	2013-15 and 2015 onwards
5	K.M. Sajitha	Mathematics (UG)	Member	Kannur University	2015 onwards
6	Dr. P. V. Pushpaja	Statistics (UG)	Chairman	Kannur University	2013-15
7	Dr. P. V. Pushpaja	Statistics (PG)	Chairman	Kannur University	2015 onwards
8	Dr. K. K. Geetha	Statistics (PG)	Member	Kannur University	2013-15
9	Dr. T. Vijayan	Statistics (PG)	Member	Kannur University	2012-13, 2013-15 and 2015 onwards
10	Dr. T. M. Surendranath	Statistics (PG)	Chairman	Kannur University	2013-15
11	Dr. K. Naseema	Physics (PG)	Member	Kannur University	2013-15 and 2015 onwards
12	N. G. Salini	Chemistry (UG)	Member	Kannur University	2015 onwards
13	Dr. Agratious Thomas	Botany/Plant Science (UG)	Member	Kannur University	2012-13 and 2013-15
14	Dr. V. P. Syama	Zoology (UG)	Member	Kannur University	2013-15
15	Dr. P. T. Sebastian	History (PG)	Member	Kannur University	2013-15
16	K. Nandakumar	History (PG)	Member	Kannur University	2015 onwards
17	Dr. M. Muralidharan Nambiar	Political Science (UG)	Member	Kannur University	2012-13, 2013-15 and 2015 onwards

Sl. No.	Name	Subject	Role	University	Period
18	V. V. Purushothaman	Commerce (UG)	Member	Kannur University	2012- 2013 and 2013-15
19	P. V. Jisha	Commerce (UG)	Member	Kannur University	2015 onwards
20	V. Vijayakumar	Commerce (UG)	Member	Kannur University	2015 onwards
21	Dr. P. V. Pushpaja	Statistics (UG)	Member	University of Calicut	2013 onwards
22	Dr. K. Radhakrishnan Nair	Statistics (PG)	Member	Farook College (Autonomous)	2015 onwards
23	Dr. M. Muralidharan Nambiar	Political Science	Chairman, Faculty of Science	Kannur University	2012 onwards
24	Dr. P. V. Pushpaja	Statistics	Member, Faculty of Science	Kannur University	2013 onwards

**1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating University) by it? If yes, give details on the process (Needs Assessment, design, development and planning) and the courses for which the curriculum has been developed.**

Since ours is an affiliated college, we don't have the provision to frame the curriculum by ourselves. However, since many teachers serve as Chairman or Member of UG/PG Boards of Studies, we enjoy the privilege of framing the syllabi in tune with the needs of our students to a certain extent. The curriculum for the following courses conducted by our college, are developed and implemented by our college.

- Coaching classes for entry level examinations conducted by the coaching centre for entry level examination.
- Bridge courses at the beginning of each course.

**Details of Courses**

Sl. No.	Name of the course	Run by	Objective	Duration
1	Soft skill development and language proficiency	Department of English and English Club	To develop skill and proficiency in English for the socially and economically backward students	6 Hrs
2	Python	Department of Physics	To develop skill and proficiency in programming in Python which is an open software whose application has become wide and popular in all fields of science and technology.	8 Hrs
3	R	Department of Statistics	To develop skill and proficiency in English for the socially and economically backward students	10 Hrs

Sl. No.	Name of the course	Run by	Objective	Duration
4	LaTeX	Department of Computer Science	To develop skill and proficiency in English for the socially and economically backward students	10 Hrs
5	SPSS	Department of Statistics	To develop skill and proficiency in English for the socially and economically backward students	10 hrs
6	Tally	Department of Commerce	To develop skill and proficiency in English for the socially and economically backward students	10 Hrs

### 1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Using all guidelines and instructions and academic calendar, the working days and learning programmes were planned at the beginning of every academic year at the department level. After having discussions with other teachers, the HOD assigns portions of the syllabi to the faculty members after considering their expertise, preference and knowledge base of the teacher.
- Each teacher frames the teaching plan in accordance with the time table and syllabi which include the detailed action plans like schedule of syllabus coverage, class tests, assignments and seminars etc. to be implemented so as to achieve the objectives of the curriculum. The teaching plan is circulated among the students at the beginning of each semester.
- Students are encouraged to make optimum use of library facilities.
- Weak students are given special attention in the form of remedial classes, micro teaching, SSP, etc.
- Students are also given coaching for NET of UGC/CSIR and competitive examinations for getting employment.
- Students are given classes on soft skill development by the Department of English.
- To see that the stated objectives are achieved in the course of implementation, the college enacted some novel ideas like Walk With A Scholar (WWS), Additional Skill Acquisition Programme (ASAP) and Scholar Support Programme (SSP) initiated by Kerala Higher Education Council.
  - The WWS scheme arranges specialized mentoring programmes for students in UG programmes and provide guidance for their future. Each student is guided by an internal mentor as well as external mentors. The scheme is open to all students entering the first year of the UG programmes, subject to a maximum of 30 students. In case there are more than 30 applicants, the college council makes the selection so that the neediest students and those genuinely interested in the scheme are selected.
  - The ASAP is aimed to equip the young population with skills in cutting edge sectors in order to effectively alleviate the unemployment problem in the state. The implementation of the programme is twofold. On the preventive side, the Additional Skill Acquisition Programme (ASAP) is implemented to amplify working hands

in different sectors of the economy, by providing additional skill sets to students along with their regular courses. The curative part, Additional Skill Enhancement Programme (ASEP), is envisaged to encompass skill development and grooming initiatives for unemployed persons registered in the Employment Exchanges across the State. The students are given three courses, namely, Communication Skills in English, Basic IT and an Elective Domain Specific Skill Course with the end of enhancing their employability.

- The Scholar Support Programme (SSP) aims at extending personalized additional support to students in the selected subjects included in the curriculum through tutorials, study materials, additional lectures, question banks and interactive sessions for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> semesters. This programme is implemented by New Initiatives in Higher Education, Directorate of Collegiate Education. Our college started the Scholar Support Programme (SSP) in the academic year 2015-16.
- Feedback is collected from the students and parents to make sure that the stated objectives are achieved effectively.
- PTA meetings and tutorial meetings are also effective platforms for getting response on curricular and co-curricular activities.

## 1.2 Academic Flexibility

### 1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

The college offers certificate course on Tally, Latex, Python and R

- **Tally:** Tally is an accounting software that multiplies the employability, in and outside the country, of commerce students many times, as manual accounting has almost been an outdated exercise and shifting to computerized accounting is predominant in almost all firms.
- **Latex:** Knowledge of latex is essential for research publications in science subjects. Besides, there is large demand for conversion of manuscripts/printed materials to latex files. As this job can be done at home, a knowledge of latex gives a good opportunity for self employment.
- **R:** Statistical data analysis is an emerging area of employment. Most of the MNCs, pharmaceutical and firms seek candidates with knowledge of R software against their vacancies as data analysts.
- **Python:** Python is a general purpose extensible programming language which is widely used in scientific and numeric computing. It is a superb language for teaching programming, both at the introductory level and in more advanced courses. Knowledge in python will be a boon for researcher who does not have exposure to advanced programming languages.

**1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If ‘yes’, give details.**

No. The institution is affiliated to Kannur University and the University statute and act does not provide for twinning/dual degree programs.

**1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.**

- **Range of Core/Elective options offered by the University and those opted by the college**

The college offers 10 UG programmes in Commerce, Economics, History, Malayalam, Mathematics, Physics, Plant Science, Polymer Chemistry, Statistics and Zoology, 5 PG programmes in Commerce, English, History, Physics and Statistics and 1 Ph.D. programme in Statistics. The Distance Education Centre of Kannur University in the college caters to the diverse needs of learners from private streams.

The University norms provide elective courses for UG and PG programmes. Students of UG/PG batches are free to choose from the list of electives provided. Each PG programme offers around 10 elective courses. Besides, for UG programme, students have the freedom to choose one course as open course from the 14 departments in the college.

Details of the complementary course for UG programmes are given below.

Programme	Complementary	Electives
B.Com.	Research Methodology, Corporate law and business regulations, Business Statistics	Co-operation, Finance, Computer Applications, Income Tax
B.A. Economics	Population Studies, History	No elective papers
B.A. History	Economics, Political Science	No elective papers
B.Sc. Mathematics	Computer Science, Statistics	Operations Research, Mathematical Economics, Classical Mechanics, Programming in Python
B.A. Malayalam	Sanskrit	No elective papers
B.Sc. Physics	Chemistry, Mathematics	Plasma Physics, Astronomy and Astrophysics, Atmospheric Physics, Nano Science, Material Science, Computational Physics
B.Sc. Plant Science	Chemistry, Zoology	No elective papers
B.Sc. Polymer Chemistry	Physics, Mathematics	Environmental Chemistry, Applied Chemistry, Polymer Chemistry, Nano Chemistry
B.Sc. Statistics	Computer Science, Mathematics	No elective papers
B.Sc. Zoology	Botany, Chemistry	Human Genetics, Biodiversity, Conservation and Management

● **Details of elective courses for PG programmes:**

Programme	Electives
M.Com.	Security Analysis and Portfolio Management, Consumer Behaviour, International Business Environment, Corporate Tax Planning and Management, International Financial Management, Financial Markets and Services, Advertising and Sales Management, Services Marketing, Logistics Management, Foreign Trade Management, International Banking, International Marketing.
M.A. English	Modern Critical Theory, Indian Poetics/Aesthetics, Translation Studies Theory and Practice, Contemporary Indian Writings in English Translation, Malayalam Literature in English Translation, Australian Literature, Caribbean Literature, African Literature, First Nations Canadian Women Writing, Canadian Literature.
M.A. History	History of South India up to 6th Century AD, Science and Technology in Pre-modern India, Cast and Social Stratification in Medieval India, Archival Studies and Documentation, Environmental History of India, Diplomatic History of Modern India.
M.Sc. Physics	Plasma Physics, Radiation Physics, Microprocessors and Applications, Chaos and Nonlinear Physics, Atmospheric Physics, Optoelectronics, Astrophysics, Electronic Instrumentation, Communication Electronics, Condensed Matter Physics, Nano Science and Technology, Experimental Techniques.
M.Sc. Statistics	Operations Research, Queuing Theory, Reliability Theory, Econometrics, Statistical Quality Assurance, Statistical Decision Theory, Biostatistics, Demography, Lifetime Data Analysis, Actuarial Statistics, Statistics using SAS.

● **Choice Based Credit System and range of subject options:**

**List of open courses**

- Environmental Physics
- Biophysics
- Chemistry in Service to Man
- Environmental Studies
- Business Mathematics
- Principles of Computer Science
- Linear Programming
- Computer Oriented Data Analysis
- Sampling Techniques
- Health and Nutrition
- Aqua Culture
- Mushroom Cultivation and Marketing
- Biotechnology
- Basic Accounting
- Insurance and Risk Management
- Economics of Travel and Tourism

- Health Economics
- Social Reform Movement in Kerala
- Cultural Heritage of North Malabar
- Web Technology
- Gender and Politics
- Keraleeya Kalakal (Arts Forms in Kerala)
- Media and Politics

- **Courses offered in modular form**

All the programmes in UG and PG streams are offered in modular form in semester system.

- **Credit transfer and accumulation facility**

The academic programme formulated by Kannur University provides option for credit transfer and accumulation facility on the condition that the student in need of it has achieved a minimum of twenty credits from the former institution.

- **Lateral and vertical mobility within and across programmes and courses**

As the admission rules are framed solely by the University, lateral and vertical mobility within and across programmes and courses are permissible in agreement with the University norms.

- **Enrichment courses**

- Additional Skill Acquisition Programme (ASAP), a programme implemented by the Kerala Higher Education Council has been implemented in the College.
- Classes for Soft Skill Development are conducted by the Department of English.
- The CCIG and some departments conduct career guidance seminars, awareness programmes and classes on how to face an interview.
- The cadets in NCC are offered two certificate examinations B certificate for the successful completion of two years in NCC and C certificate for the successful completion of three years in NCC.
- The Commerce and the Botany Departments conduct classes on Cultivation and Marketing of Mushroom.
- The Zoology Department has conducted classes on Blood Group Detection.
- The Department of History conducts field visits to places of archaeological and historical importance to provide the students first hand knowledge.
- The Department of Statistics arranges socio-economic surveys to give students exposure to statistical data analysis.
- The Department of Mathematics conducted a Mathematics exhibition to supplement theoretical knowledge of the students with practical examples.

**1.2.4 Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.**

The college does not offer self financed programmes.

**1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.**

- The Department of English offers the students classes on soft skill development.
  - The Sahityavedi conducts workshops on short story writing, poetry writing, folk lore, literary criticism etc. regularly that helps the students a lot in enriching their literary skill in which many nationally and internationally reputed writers participate.
  - Entrepreneurship Development programmes, Khadi Expo, Commerce exhibition etc. are conducted by the E.D. Club of Commerce department.
  - Through the Walk With A Scholar (WWS) programme the students are given guidance by internal and external mentors. The selected students are prepared for employment by giving proper guidance, motivation and mental support to identify appropriate areas of higher study as well as employment.
  - Additional Skill Acquisition Programme (ASAP) of Kerala Government is implemented in the college with the aim of equipping selected students with skills in communication, IT and selected areas of industry and service sectors.
  - There are two units of NCC in the college. The NCC students are given preference over normal candidates during selections for vacancies in armed forces, based on their achievements in NCC. The NCC helps to develop qualities of character, patriotism, courage, comradeship, discipline, leadership, secular outlook, spirit of adventure and sportsmanship and the ideals of selfless service among students.
  - There are two NSS units in the college. The units work with the aim of supplementing theoretical knowledge of the students in the element of practical application. It helps the students to identify their innate potentials, to help them cope with predicaments in day to day life and to make them adaptive to difficulties in life. It also helps to realise the all round development of personality of the students and hence to achieve the prime goal of education.
  - The Centre for Career Information and Guidance conducts Career guidance seminars and awareness programmes that enhances the skill and thereby the employability of the students.
  - The add on courses on Tally, R software, LaTeX, Python etc. opens new avenues of job opportunities to the students.
  - The coaching classes for entry in service for SC/ST/OBC and Minority students is specially aimed at enhancing their employability and skill of these marginalized sections.
-



- Coaching classes for PSC examinations is given to students of this college and to those of other institutions. Alumni are also eligible for admission.
- Coaching classes are given for NET and JRF of UGC/CSIR and for SET.
- Programmes that help the students to learn skills to help them get self employed like, ornamental fish farming and mushroom cultivation classes (conducted by the department of Commerce), statistical data analysis (conducted by the department of Statistics).

**1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice. If ‘yes’, how does the institution take advantage of such provision for the benefit of students?**

No. The University does not provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education. As per Kannur University regulation, a student pursuing any degree or P.G.in regular mode cannot join for any degree or P.G. of any other University under distance mode. But most of our students pursue certificate and diploma course relating to computer, IT, foreign accounting, web designing, fashion designing offered by certain private agencies and technical institutions.

### **1.3 Curriculum Enrichment**

**1.3.1 Describe the efforts made by the institution to supplement the Universitys Curriculum to ensure that the academic programmes and Institutions goals and objectives are integrated?**

As majority of the faculty members are members in Board of Studies/Academic council and various academic committees of the University, they played a vital role in framing and revising the syllabi and curriculum of the University. While framing and revising the syllabi and curriculum, the faculty members took special care and attention to see that the contents and depth of the syllabi are such that they will enable the students to achieve the goals and objectives of our prestigious institution. The modules in the syllabi are chosen in fulfilling the broad objectives of the institution.

To supplement the University’s curriculum further, to meet our college specific needs, we are conducting a lot of programmes that will enable the students to improve their knowledge base, competency and suitability for employment. Our add on courses, activities of CCIG, NCC, NSS, Entrepreneurship Development Club etc. are a few efforts in this dimension.

**1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?**

Out of our 56 permanent staff, 20 served as members of Board of Studies, academic council and other statutory bodies of the University. As such, they could play a vital role in moulding, framing and revising the syllabi of various courses considering the demands from the job

market and developing global market which can generate employment to millions. Before the meetings of such bodies in the University, we use to convene department level meetings to collect suggestions in relevant matters so that the expertise and suggestions of the entire staff of the college can be put in use in the University level meetings.

### **1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as gender, climate change, environmental education, human rights, ICT etc. into the curriculum.**

Some of our staff members are advocates of gender equality, environment protection, human rights, bio-farming etc. They are also members in Boards of Studies of the University. So they could take efforts integrate such issues with the curriculum effectively.

- In our college also, a large number of programmes in this direction are organized and carried out, especially under the auspices of the Sahithyavedi. On 13/01/2017, the Sahithyavedi organized a one day seminar on “The identity of transgenders - Existence and creativity”. Transgender leaders from south India like Sheetal Shyam, Sonu Niranjana etc. participated in the programme.
- The womens cell arranged a couple of programmes on gender equality.
- Gender equality is an issue that is addressed in annual seven day camps of NSS.
- Every year a one day orientation class is given to students in which leading lawyers take classes on their issues, rights and remedies in collaboration with KELSA.

As a result of these concerted efforts, we could maintain a campus without gender bias and with students who are aware of their rights. The large number of girl students participating in the activities of NCC, NSS, College Union, Fine Arts, Sports, clubs etc. stands testimony to this.

- The Department of Economics conducted a National Seminar on “Economics of Climate Change: Understanding the linkage between economy and ecology” during 18-24<sup>th</sup> September 2014.
- Dr. Ambikasuthan Mangad, Associate professor, Department of Malayalam, a well known environmentalist and writer in the state has made significant contribution in the area of environmental protection in our state. He was in the forefront of all environmental activities in the district. He is the leader of the District Environmental Protection Committee. It was the struggle led by him under the Sahithyavedi of the college that resulted in the ban of endosulfan in Kasaragod district and the decision to rehabilitate the endosulfan victims by the Government. The Sahithyavedi has built seven houses for endosulfan victims. Works of more houses are on and we are proud that these activities of Sahithyavedi have motivated several other organizations and associations in the district to follow the suit.

The Sahithyavedi in collaboration with Naythal, has conducted a survey on the biodiversity, health and encroachment of Nileshwar River and submitted the same to the Nileshwar Municipality for proper action.

- It was with the representation of the Sahithyavedi that the Kannur University resolved to refrain from using plastic bags for question papers.

- Sahithyavedi in collaboration with Neythal published a book against the unlawful slaughter of wild animals in connection with religions ceremonies, which was well appreciated.
- Dr. Ambikasuthan Mangad has written 6 novels and a number of short stories with environmental issues as the main theme.
- The Biodiversity club of the Nehru Arts and Science College, Kanhangad has been registered under Kerala State Biodiversity Board (K.S.B.B.) in the year 2013. The K.S.B.B. gives financial assistance for constituting Biodiversity Club and establishing Shanthisthal in the college campus. The Bio-diversity club of the Nehru Arts and Science College, Kanhangad conducts awareness programmes on biodiversity conservation every year. This may equip younger generation to create biodiversity awareness.

The Biodiversity club organised the following activities.

- Two day Biodiversity Study Camp during 12/06/2013 to 13/06/2013 with financial assistance from Kerala State Council for Science, Technology and Environment, Thiruvananthapuram.
- A workshop on Environmental Awareness (NEAC 2014-15) on 10<sup>th</sup> January 2015. Dr. V. S. Vijayan (Member, Gadgil committee), T. P. Padmanabhan (Director, SEEK, Payyanur), and Anil Chenthrathil presented papers on relevant topics.
- On the August 15<sup>th</sup> of 2015, the Biodiversity Club members planted 69 wild and fruit plants in the College Campus. A biodiversity awareness camp was also conducted in the same day.
- Established shanthisthal, a man-made forest ecosystem for conserving rare, endemic and endangered plants in the college premises in collaboration with Kerala State Biodiversity Board. This protected land maintained by the biodivesiry club of the college in due course of time will become a biodiversity rich area of rare, endemic and endangered plant and animal species without human interference. Presently, Shanthisthal comprises more than 25 RET plants.
- In December 2016, the club organized a seminar and open discussion on biodiversity conservation. Prof. P.T. Rajasekharan Nair inaugurated the function.
- Dr. K. Radhakrishnan Nair is serving as the President of Naythal, a well known environmental group which has won the award for the best such association in the state in 2012. He is also actively involved in turtle conservation, environmental protection, bio-farming, movement for reduced use of plastic etc.
- The college won the Green Campus Award of Kerala Government in 2013-14.
- Dr. Ambikasuthan Mangad is also a leader of human rights movement in the state. He was in the forefront of the struggle to unveil the mystery behind the disappearance of Safiya, a poor girl in the district.
- For the best use of ICT, we have 20 smart class rooms and high speed broadband internet through optical fibre cabling with WiFi in the entire campus. We have a very good centralized computer lab and PG computer labs. Computer Science is taught at complementary level for B.Sc. Mathematics and B.Sc. Statistics programmes. Apart from this, courses involving the study of programming languages in the respective area have been included in the syllabi of almost all programmes.

### **1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?**

To ensure

- moral and ethical values
- employable and life skills
- better career options
- community orientation

Enrichment programmes were conducted through the activities NSS, NCC, CCIIG, Sahithyavedi, Lahari Virudhavedi, Science Club etc.. Details are mentioned in Appendices *K, L, D, I, N*.

### **1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?**

The feedback collected through tutorial meetings, PTA meetings, online feedback system etc. from students, parents, alumni and eminent academicians visiting the campus form a basis for the discussions in the concerned departments. The teachers who are members of academic bodies, communicate the ideas formed in these discussions to the respective forums which revise the curricula.

### **1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?**

Formal and informal feedback is collected from participants after every quality enrichment programme/seminar/workshop/conference. The organizing committee discuss the feedbacks and evaluate the quality of the programme. Also the department conducts its own separate discussions to analyse the conduct of the programmes and to take necessary steps to improve the quality in the forthcoming events. The results of the analysis of the movement of students to higher education and research activities is another indicator of the quality of the enrichment programmes.

## **1.4 Feedback System**

### **1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?**

As mentioned in para 1.3.1 and 1.3.5. Since the senior faculty members of the college have adequate representation in the academic bodies of the University, they have given significant contributions in the restructuring of the curriculum. Details mentioned in para 1.1.6, 1.3.1 and 1.3.5 substantiate this.

**1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?**

- The feedback system implemented in the college is two fold. Feedback is collected from the students and parents during tutorial sessions and PTA meetings informally. Formally during the end of each semester, feedback is collected from the students, alumni and parents.
- We have an effective tutorial system with one hour session per week in which the tutors collect feedback on revised, restructured and newly introduced syllabi from the students.
- Feedback from all the stakeholders is collected online from 2016 onwards. Till the academic year 2015-16, feedback from students, alumni and parents were being collected in printed format. In order to ensure the quality of their response, the students were required to submit their feedback without revealing their identity.
- As majority of our teachers serve as members of Boards of Studies, they make efforts to make use of the responses of students for quality improvement in their capacity as Board members.

**1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)**

- M.Com with Finance as specialization and BA Malayalam are the two academic programmes that got sanction from the Government of Kerala for our college and started during the last four years.
- In the changing scenario, M.Com. stands first among the traditional courses in providing jobs to the candidates. There are large number of firms looking for M.Com. degree holders in private as well as Government sectors. Further, the course gives provision for the candidates to get self employed. Considering this employment potential and opportunities for Commerce students nationally and globally, M.Com. was started during 2013-14.
- The district of Kasargod has a rich tradition in literature nurtured by noted literati like Mahakavi P. Kunhiraman Nair, Mahakavi Govinda Pai, Vidvan P. Kelu Nair, T. S. Thirumumbu, Koormal Ezhuthachan and current time writers like Ambikasuthan Mangad (Our faculty member), Santhosh Echikanam, Shajikumar. P. V. (Alumni members). Further, there is increased demand for Malayalam course as the state government has set Malayalam as the administrative language. Further there is no government or aided college in Kasargod District with B.A. Malayalam. As such, the literature loving students of the district have little opportunity to satiate their need. B.A. Malayalam was started in the college in these circumstances in 2014-15.

**Any other relevant information regarding curricular aspects which the college would like to include.**

Nil

## Criterion 2

### Teaching-Learning and Evaluation

#### 2.1 Student Enrolment and Profiling

##### 2.1.1 How does the college ensure publicity and transparency in the admission process?

The college ensures that the admission process is informed to the stake holders by wide publicity through

- College/Kannur University Admission Prospectus
  - University online prospectus and printed college prospectus which contain rules and regulations of the admission process
- Notification in University and College Websites
- News paper notifications
  - University issues press release in regional and national dailies
  - Arising vacancies are notified in leading dailies regularly by the college
  - Vacancies earmarked for SC/ST are notified thrice in dailies
  - Notification for spot admission in case the vacancies are not filled in by the last date.
- Word of mouth publicity by Alumni, Parents and Beneficiaries

Transparency in admission process is ensured by

- Publishing rank lists for various categories (General, SC, ST, OBH, DA, etc.) on the College website and college notice board
- The College Admission Committee which is headed by a senior faculty and constituted by the College Council
- The Online Single window System for UG (introduced in the academic year 2015-16)
  - Informs the students of their current position by displaying rank list, index of the last admitted, vacancies etc.
- Arising vacancies and notification for spot admission are published in standard dailies

##### 2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

Admission to various programmes is solely based on merit of the candidate in their qualifying examination under different categories (GEN,SC,ST,DA,Sports,Ex-service, Lakshadweep, OBH).

- Ensured through computation of the index marks based on the rules and regulations published in the notice board, prospectus and websites of the college and University

**2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating University within the city/district.**

**Minimum and maximum percentage of marks for admission at entry level for various programmes**

Categories	2016-17		2015-16		2014-15		2013-14		2012-13	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
<b>B.A. Economics</b>										
SC	63.67	70.17	58.33	78.08	68.08	75.75	63	81.58	62	75
ST	79.25	86.5	72.17	83.75	75.08	80.25	66.5	71.75	64.83	81.42
Differently Abled	-	-	-	-	75.33	75.33	68.58	68.58	73	73
Others (General)	85.83	96.92	88.58	97.83	85.83	90.42	80	93.83	74.17	90
<b>B.A. History</b>										
SC	61.67	65.42	57.67	64.58	67.25	71.58	61.25	75.92	65.25	73.17
ST	75.08	79.67	77.5	77.5	67.75	76.33	71.08	74.42	71.08	72.75
Differently Abled	-	-	-	-	62.42	62.42	70.75	70.75	70.33	70.33
Others (General)	79.33	90.67	83	85.42	77.08	87.83	71.75	85.08	64.83	82.58
<b>B.A. Malayalam</b>										
SC	59	64.08	60	67.08	58.42	72.33	-	-	-	-
ST	65.42	74.75	78.25	78.25	72.5	72.5	-	-	-	-
Differently Abled	73.42	73.42	-	-	65.92	65.92	-	-	-	-
Others (General)	70	90.67	75.5	84.42	76.25	82.67	-	-	-	-
<b>B.Sc. Mathematics</b>										
SC	-	-	57.08	57.08	60.17	64.5	66.75	66.75	71.83	71.83
ST	-	-	67.92	67.92	-	-	61.75	61.75	67.5	67.5
Differently Abled	-	-	-	-	-	-	-	-	-	-
Others (General)	80.17	97	86.92	96	87.92	92.67	63.75	90.67	77.08	94.67
<b>B.Sc. Physics</b>										
SC	50.33	74.5	60.25	76.25	50.17	72.42	58.67	90.25	60.75	88.67
ST	59.5	59.5	62.08	91	-	-	64.92	87.75	74.25	65.5
Differently Abled	-	-	-	-	-	-	-	-	-	-
Others (General)	91	99	76.33	99.5	90.92	99.5	87.25	99.92	81.67	97.42
<b>B.Sc. Plant Science</b>										
SC	74.83	74.83	54.92	89.5	60.75	75.5	75.08	82.92	67.58	72.33
ST	64.67	78.58	78	90.33	77.67	77.67	77.83	77.83	59.08	66.25
Differently Abled	-	-	-	-	67.83	67.83	51.67	51.67	-	-
Others (General)	88.75	95.92	85.17	95.25	83.83	92.25	74.83	89.25	71.25	93.75
<b>B.Sc. Polymer Chemistry</b>										
SC	48.17	60.08	62.17	76.92	57.17	60.5	60.75	67.08	76.08	76.08
ST	-	-	61.33	70.08	-	-	68.5	68.5	70.33	70.33



**CRITERION 2. TEACHING-LEARNING AND EVALUATION**

Differently Abled	-	-	-	-	-	-	-	-	-	-
Others (General)	72.75	95.25	92.58	95.42	88.5	91.83	82.58	94.17	83.25	92.42
<b>B.Sc. Statistics</b>										
SC	65.58	65.58	-	-	57.83	64.92	72.17	73.5	56.17	58.42
ST	-	-	-	-	70.5	70.5	-	-	-	-
Differently Abled	-	-	-	-	-	-	-	-	-	-
Others (General)	77.42	89.92	74.08	89.58	83.92	90.92	81.92	95.42	71.58	91.75
<b>B.Sc. Zoology</b>										
SC	68.5	79.67	59.17	91.58	60.5	81.33	73.33	81.25	56.92	59.5
ST	70	72.5	74.08	79.08	-	-	73.17	73.17	56.25	62.92
Differently Abled	-	-	-	-	-	-	47.33	47.33	-	-
Others (General)	83.58	93.75	87.42	95.92	81.58	92.58	81.5	96.92	77.08	89.08
<b>B.Com.</b>										
SC	79.67	83.58	86.58	92.58	63.17	89.25	70	88.58	74.75	84
ST	79.17	86.08	83.5	88.83	96	71	78.83	85.58	82.58	92.17
Differently Abled	82.83	82.83	-	-	79.25	79.25	89.42	89.42	81	81
Others (General)	90.58	96.67	91.33	96.5	90.67	98	88	98	90.08	96
<b>M.A. History</b>										
SC	-	-	-	-	52.75	62.25	58.25	800	51	66.25
ST	-	-	-	-	73	73	55.75	55.75	64.75	64.75
Differently Abled	-	74.5	-	-	-	-	-	65.75	-	-
Others (General)	74.75	94.5	70.25	77	72.75	89.5	72.25	81.75	74.5	B+
<b>M.A. English</b>										
SC	-	-	-	-	70.5	70.5	-	-	45.75	50
ST	-	-	-	-	53.75	70.25	-	59.5	-	56
Differently Abled	-	-	-	-	-	-	-	-	-	-
Others (General)	74	86	75.5	78.25	62.5	76.5	75.5	78.75	72.25	82
<b>M.Sc. Statistics</b>										
SC	-	-	-	-	-	-	-	-	-	-
ST	-	-	-	-	-	-	-	-	-	-
Differently Abled	-	-	-	-	-	-	-	-	-	-
Others (General)	96.25	98.5	83.5	94	67.5	88	69.3	89.25	82.25	B+
<b>M.Sc. Physics</b>										
SC	-	-	-	-	78	78		62.25	-	89
ST	-	-	-	-	56.75	56.75	-	-	-	-
Differently Abled	-	-	-	63	-	-	-	-	-	-
Others (General)	96.5	99.5	87.25	89.25	89.75	93.75	83.75	87	87.25	98
<b>M.Com.</b>										
SC	-	-	-	-	74.25	77.5	63	63.25	-	-
ST	-	-	-	-	75	75	58.5	73.5	-	-
Differently Abled	-	-	-	-	-	53.73	-	-	-	-
Others (General)	88.75	94.5	80.75	89	80.75	90	77.25	96.75	-	-

**Last index for admission comparison with other colleges (2016-17)**

Programme	Last Index (admitted)				
	NAS College Kanhangad	Govt. College Kasaragod	EKNM Govt. College, Elerithattu	GPM Govt. College, Manjeshwar	St. Pius X College, Rajapuram
B.A. Economics	1218	1244	1181	-	-
B.A. History	1160	1194	-	-	-
B.Com.	1332	1327	1271	1275	-
B.Sc. Mathematics	1251	1294	-	-	-
B.Sc. Physics	1339	1272	-	-	1232
B.Sc. Plant Science	1257	-	-	-	-
B.Sc. Polymer Chemistry	1265	-	-	-	-
B.Sc. Statistics	1215	-	-	1151	-
B.Sc. Zoology	1284	1250	-	-	-

**2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If yes what is the outcome of such an effort and how has it contributed to the improvement of the process?**

- The existing computerized admission process is fool proof and of state of the art quality. Nevertheless, during the course of the admission, the admission committee periodically reviews the status.
- The college maintains student profile card so that the tutor and the department have a close watch over the progress of each student in different realms such as health, academics, extra curricular activities, awards and achievements. Need based interventions are made by the department/tutor. There are proven examples for significant influence of such interventions in the academic and non academic career of the students.

**2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion SC/ST OBC Women Differently abled Economically weaker sections Minority community Any other**

To improve the access of the following categories and to attract them to the college, and to persuade them to continue the programme once they get admitted, the following features are implemented.

- **SC/ST**
  - 20% of seats for UG/PG programmes are reserved for SC/ST students. Wide publicity is given to this via leading dailies, college prospectus, college website etc. to ensure that the stake holders are aware of this. To attract these backward categories,

relaxation in upper age limit, relaxation in minimum marks for admission, relaxation in application fee, relaxation in registration fee, admission fee and tuition fee etc. are offered. They are also given various financial supports via stipends, fee exemption and scholarships to ensure that economic backwardness does not hold them back from academics.

- In case the quota earmarked for these categories lay vacant, the same is advertised in dailies three times. If there are still vacancies, they have the opportunity to get admitted in a walk-in interview till the last second of admission.
- Efforts are made to ensure that students under these categories get admission in hostel. They are free of hostel fee including rent and mess fee.

- **Women**

- The college has a well furnished and maintained womens hostel to meet the demand. This is a boon to the women students since our catchment area includes remote hamlets from where daily conveyance is not possible.
- Facilities to meet gender specific demands of women students like refreshing room with pad vending machine are maintained in the college. There is a women cell in the college to look in to the needs and complaints of the women students that ensures their safety and well being.
- With the end of reducing drop outs of girl students, and retaining the admitted ones, they are given scholarships like 'Single Girl Child Scholarship' and 'C. H. Muhammed Koya Scholarship for Minority Girls'.
- To make the academic career of girl students attractive, they are given ample opportunities in co-curricular activities (fine arts, N.C.C, N.S.S, sports etc.).

- **Differently Abled**

- One seat is reserved for differently abled students in each class.
- Necessary number of ramps have been constructed at different parts of the buildings to ease their movement.
- Western toilets have been constructed for the use of the differently abled students.
- The classes containing differently abled students are always run in the ground floor.
- Wheelchair on call service is introduced in the campus
- Assistance of scribes is made available on demand for writing the examinations.

- **Economically Weaker**

- Concession in various fees charged at the time of admission is made available to the economically weaker students.
- They are given various scholarships and endowments by the PTA and alumni. Alumni scholarship is given to one student in each class. Apart from these, the alumni and PTA support the poor students in different classes disregarding the number of beneficiaries if need be.
- The NASCA (Nehru Arts and Science College Alumni) UAE chapter supports financial assistance to the tune of Rs. 10,000 per year to one PG student of the college.

- The Department of History and alumni has instituted a scholarship for the most poor student of the department.
- Prof. N. Balasubrahmanyam endowment is instituted to one financially backward student of each of the PG classes.

● **Minority**

- To promote the education of minority community students, they are given scholarships like ‘C. H. Muhammed Koya Scholarship for Minority Girls’ and ‘Post Metric Scholarships for Minorities’.
- The ‘Maulana Azad National Fellowship for Minority Students’ is available for research scholars of minority community who pursue their research.

**2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.**

Programme	2012			2013			2014			2015			2016		
	No. of Applications Received	No. of Students Admitted	Demand Ratio	No. of Applications Received	No. of Students Admitted	Demand Ratio	No. of Applications Received	No. of Students Admitted	Demand Ratio	No. of Applications Received	No. of Students Admitted	Demand Ratio	No. of Applications Received	No. of Students Admitted	Demand Ratio
B.A. Economics	1940	48	40.42	2168	54	40.15	2097	54	38.83	1334	49	27.22	1541	49	31.45
B.A. History	1940	48	40.42	2168	54	40.15	2097	54	38.83	1010	50	20.2	1097	52	21.1
B.A. Malayalam	-	-	-	-	-	-	2097	30	69.9	1120	31	36.13	1289	30	42.97
B.Com.	1940	58	33.45	2168	60	36.13	2097	60	34.95	1640	56	29.29	1883	59	31.92
B.Sc. Mathematics	1946	28	69.5	1989	29	68.59	1851	29	63.83	345	29	11.9	388	29	13.38
B.Sc. Physics	1946	40	48.65	1989	41	48.51	1851	42	44.07	856	41	20.88	958	41	23.37
B.Sc. Plant Science	1946	29	67.1	1989	30	66.3	1851	31	59.71	695	29	23.97	730	31	23.55
B.Sc. Polymer Chemistry	1946	29	67.1	1989	30	66.3	1851	30	61.7	340	29	11.72	373	29	12.86
B.Sc. Statistics	1946	29	67.1	1989	30	66.3	1851	28	66.11	180	29	6.21	201	29	6.93
B.Sc. Zoology	1946	29	67.1	1989	30	66.3	1851	30	61.7	1102	29	38	1235	29	42.59
M.A. English	116	20	5.8	169	20	8.45	129	20	6.45	101	20	5.05	111	19	5.84
M.A. History	96	15	6.4	57	14	4.07	47	15	3.13	75	15	5	66	16	4.13
M.Sc. Statistics	47	13	3.62	43	11	3.91	72	11	6.55	44	12	3.67	40	16	2.5
M.Sc. Physics	151	11	13.73	124	11	11.27	138	11	12.55	151	11	13.73	178	11	16.18
M.Com.	-	-	-	-	-	-	155	20	7.75	158	20	7.9	155	25	6.2

The number of affiliated colleges and unaided colleges has increased substantially during the last five years in the district. Nevertheless the number of applications to different programs

offered by the college, shows an increasing tendency. This is because

- The college provides comparatively better performance in academic and co-curricular activities.
- Almost in all years we get good number of ranks in the University.
- We have stood second in University arts festivals in which candidates from more than 100 colleges compete during the last five years.
- In sports events also we have remarkably nice performance.
- Our NSS units and NSS programme officer have been adjudged the first in the State/University in 2013 - 2014.
- The social services of the NSS unit and Sahityavedi has made our college much popular. During the assessment period, 7 houses were constructed for the poor and the Endosulfan victims by the college under the auspices of the Sahityavedi.
- The college was awarded by Green Campus Award of the State Government in 2013.
- The college magazine is being adjudged the best of all college magazines at the State level occasionally.
- The NCC cadets of our college have attended National level camps and Republic Day Parade on many occasions.

## **2.2 Catering to Student Diversity**

### **2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?**

- The institution, as per Government guidelines, has set aside one seat each in each class reserved for the differently abled candidates.
- Ramp facilities are installed at different places for the easy and safe movement of the physically challenged students.
- Classes in which differently abled students are enrolled are conducted on the ground floor.
- Provision for separate seating arrangements are made during examinations.
- Scribes are arranged to write the examinations as per the rules.
- Personal coaching and mentoring by teachers are introduced to help the physically disabled students to keep pace with the others.
- Office service is extended to their classroom seat if found necessary
- If needed, they are helped by teaching and non teaching staff
- Special counselling sessions are given to the needy
- Wheelchair (On call) service is introduced in the college.

**2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.**

- The institution assesses the learning levels of the students in the commencement of the course. This helps to identify the slow learners and to design special coaching sessions or tutorial sessions to bridge the gap between the slow learners and the advanced learners.
- Apart from this, the personal interviews by the faculty members during admission process help in assessing the students needs in terms of knowledge and counsel the students about the course curriculum. Parents of students are also invited to join in the discussion with the counselling team during admission. Attempts are on to conduct entry level tests to assess the students' previous knowledge and skills through Moodle.
- The round table discussion by the student, teacher and the parent during the first tutorial meeting convened in the beginning of the programme, helps a lot to identify the problems faced by the students and to improve their learning skills and to cater to their needs in the campus and at home.

**2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?**

- The institution organizes orientation programmes/induction programmes for freshers both at the College level and at the department level. The facilities in the college, the scope of the subject being learnt etc. are introduced in these sessions. Apart from this, sessions are included to inculcate positive attitude and competitive spirit.
- Bridge courses are conducted at department level to lift the students to the learning level of the programme.
- After each class test, remedial teaching is conducted to lift the slow learners. The Scholar Support Programme, in which weak students are supported by specially allotted tutors has proved to be highly useful in this regard.
- Since the catchment area of the college is a backward area, poor communication skill is a problem faced by the students. The Department of English and the Soft skill Development club jointly conducts Soft skill Development Programs for the weak students. Language Lab is also used for this purpose.
- Add on courses in spoken English is conducted by the Department of English to help the weaker students.
- The tutor keeps a close watch on the progress of his students and identifies those who are lagging behind and implements appropriate remedial measures.
- Those who are identified to lag behind in knowledge of computers, are given special training programmes in the computer lab.
- Academic resources provided through Moodle.

- Special coaching programmes are conducted for SC/ST/OBC/Minority students with the support of UGC.

#### **2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?**

- The college keeps a close watch on the needs and issues of girl students. Maximum effort is made to cater to their needs and to safe guard their interests. A girls' room equipped with pad vending machine has been kept aside to the exclusive use of girl students. A well maintained womens hostel caters to the need of girl students from far off places. The women cell of the college looks into the gender specific needs and problems of the girl students and women staff.
- The girl students are persuaded to enroll in NSS and NCC units of the college and this has resulted in maintaining higher proportion of girl students in these organization than they enjoy in the entire student strength of the college. In fine arts and union activities and sports items, they have a very good participation. Of the four volunteer captains of NSS, two are reserved for girl students. Apart from this, girl students organizations like Granma and Mathrukam are also very active in the campus.
- Our college has made yeoman service in the field of environmental protection and environmental awareness. The college has taken a leading role in the fight against the much controversial endosulfan issue in the district. Some of the teachers has taken leading roles in this regard. The Sahithyavedi students of the college also has involved in this struggle. Thus we have a significant role in framing the rehabilitation programme for the endosulfan victims. We have already completed and handed over 7 houses to endosulfan victims of the district. The key handing over programmes were attended by leading film stars and social workers that gave much publicity to this charitable activity and made a lot other organizations and institutions to follow the suit.
- The college conducts a large number of seminars on environmental issues by the Bio-diversity Club/Environmental Club/Sahithyavedi. The seminars are attended by noted environmentalists and students all over the state. This has helped a lot in building an environmental friendly attitude among the students and persuading them to get indulged in environmental protection activities and environmental awareness creating programmes.
- Green Campus Award (State Level) received by our college stand testimony to our service and activities in the area of environmental education and conservation.  
In addition, college conducts various activities and programs through various other forums to sensitize our staff and students on issues such as gender, inclusion and environment.
- The college celebrates major festivals like Onam, Christmas, Bakrid etc. not considering the barriers of religion with the end of promoting communal harmony.

#### **2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?**

- The face to face with the students at the time of admission gives the first information regarding the advanced learners. The first internal examination also gives information on

this.

- The Walk With A Scholar programme helps the identified advanced learners to quench their intellectual needs with the support of internal and external mentors. The programme helps the students to reach out of the boundaries of the curriculum. They are given opportunity to interact with eminent academicians of premier institutes like IIT, CUK, CPCRI, CUSAT, NIT etc. We have also links with premier institutes for project related works of students.
- The flexibility in opting project subjects by the students helps them to take up challenging topics to the advanced learners.
- Advanced students are promoted to attend seminars, conference, workshops, intercollegiate quiz, colloquium etc. conducted by different Universities and leading colleges.
- Lecture videos from premier institutes, Virtual Lab, Encourage students to participate in MOOCs
- The Malayalam department has published several books of our students including novellettes, poetry, dictionary of local dialects etc.
- To give access to the treasure of cyber knowledge high speed internet facility (Structured and WiFi) has been introduced in the college as part of NMEICT project. We have a very good computer lab to use these facilities.
- The college has a state of the art library with more than 31000 books. To cater to the needs related to research, competitive examinations etc., the students have access to journals and E journals.
- We have got a research centre in Statistics in the college. There are also research guides in Malayalam, Physics, History, Economics, Chemistry and Political Science so that students longing to do research in these subjects have not to go elsewhere.

**2.2.6 How does the institute collect, analyse and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?**

- Periodical internal examinations help the teachers to identify those who lag behind and those who are prone to discontinuing their education. The continuous evaluation tools like assignments, seminars etc. also help in this regard. The practice of tutorial system helps to identify the true reason that makes the students lag behind.
- Remedial teaching with special attention on weaker students are conducted regularly. The Scholar Support Programme is a tailor made programme to uplift the slow learners.
- To support slow learners from SC/ST/OBC and Minority communities, special coaching programme with the financial support of the UGC/PTA is implemented.



- To support students from socially and economically weaker sections, a large number of endowments, scholarships and financial aids are instituted at department and college level through agencies like PTA, Alumni, Management, retired teaching and non teaching staff, staff members etc. Apart from this, a large number of Government scholarships are available to the students. One of the teaching staff is appointed as Co-ordinator to ensure that these outreaching programmes reaches the needy and deserving.
- As health problems may also lead to drop outs, free health check up and treatment and financial assistance by PTA are given to the students.
- Need based counselling and mentoring (both internally and externally) supported by the Management are offered to the students

## **2.3 Teaching-Learning Process**

### **2.3.1 How does the college plan and organize the teaching, learning and evaluation Schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)**

- The college organizes the teaching, learning and evaluation schedules strictly in tune with the University academic calendar.
- During the commencement of each semester the college council and the academic monitoring committee schedules a detailed college level academic calendar which includes plans for coverage of portions, schedule of internal examinations, viva, project, seminars etc.
- Each department prepares teaching plan and lab manual (if any) as per the college level academic calendar, curriculum objectives and the syllabi. The teaching plan is communicated to the students.
- Departments allocate courses (papers) to teachers in conformity with the expertise of the teachers.
- General and department level timetables are framed to implement the plan therewith to ensure effective and meaningful learning.
- Additional classes, both theory and practical, are scheduled for students involving in activities of NCC, NSS, fine arts, sports beyond usual class hours.
- Minimum three internal examinations are conducted per course in a semester. Teachers are encouraged to conduct module-wise tests.
- The teaching, learning and evaluation schedules are under the surveillance of the Academic Monitoring Committee, IQAC, Principal, HoD, and the tutor.
- Council meetings, departmental meetings and classwise PTA meetings are scheduled to analyse the results of the internal and external examinations and to frame remedial measures.
- A schedule of remedial classes (theory & practical) are formulated at the department level.

- Schedules and plans related to teaching, learning and evaluation processes are published in the college notice board and website.

### **2.3.2 How does IQAC contribute to improve the teaching learning process?**

- The IQAC monitors the schedules, plans and implementation of the teaching learning process mentioned in item 2.3.1.
- Feedback is collected from students after the completion of each semester and from alumni and parents after the completion of each academic year. Online feed back system is introduced in 2016. The feedback is analysed and communicated to the concerned staff to initiate required remedial measures.
- Awareness given to teachers, especially to newly appointed Assistant Professors on faculty development programmes like orientation and refresher courses, short term courses and workshops, seminars, M.Phil., Ph.D., UGC FDP and FLAIR to make them equip with advanced developments in their subject.
- Ensures the participation of teachers in programmes which inculcate research mindset and thereby promotes research activities in the college.
- Steps are taken to get seed money from PTA and Management for conducting minor research work, PG project works, seminars and workshops.
- Helps to establish linkage and collaboration with premier academic institutions and ensures participation of eminent academicians, scientists, industrialists and experts in different walks of life.
- Takes initiative to exploit the expertise of distinguished and successful retired staff of ours and neighbouring institutions in and around the district.
- Promotes steps to develop ICT based teaching learning and development of smart class rooms fitted with LCD projectors. Structured Internet, WiFi and uninterrupted power supply using generators, UPS and inverters were procured during the assessment period 2012-16 for smoothness in teaching learning.
- Documentation of relevant information, certificates and data for career advancement of teachers.

### **2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, Collaborative learning and independent learning among the students?**

- Faculty actively participated in the reframing student centric curriculum and syllabi and the college accepted the system which involves assignment, projects, problem solving, group discussion, presentation, debate and seminars for students.
- More emphasis given to ICT based learning and e-learning.

- Personalized learning environments are created through Moodle available in our website.
- Encourages the usage of interactive simulations provided by Vlab, Olab, PhET etc., which helps the students in expanding their knowledge base through interactive and independent learning.
- Mandatory projects for UG and PG students promote independent and collaborative learning.
- PG and final year UG classrooms are smart class rooms with WiFi connectivity.
- Full fledged computer centre with high speed broad band connection and WiFi apart from the department level computer labs.
- Three general conference halls and three PG seminar halls are available for interactive learning.
- Interactive board available in the conference hall.
- A well established library building with special reference section houses 31237 books, 81 journals, periodicals, dailies etc. E-journals are available through N-LIST. Browsing facility using software KOHA.
- Digital library set up accessible from the library, computer centre and department computer labs provide e-books, e-journals, e-magazines etc.
- Question banks both hard and soft copy available in the departments and the digital library promotes independent learning.
- Exhibitions, workshops, camps, film festival, quiz programmes, colloquium competitions, field work and study tour are being made a practice for independent, interactive and collaborative learning.
- Encourages students to undergo online courses like Massive Open Online Course (MOOC), SWAYAM (MHRD), National Program on Technology Enhanced Learning (NPTEL) spoken tutorials (IIT Mumbai), UDACITY etc.

#### **2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?**

- The modus operandi of the student centric teaching learning environment detailed in 2.3.3 above ensures the full fledged development of a students critical thinking and creativity.
  - They are also encouraged to attend seminars and workshops of neighbouring universities and colleges to make them familiar with emerging areas and recent trends in their subject.
  - Most of the departments have clubs organizing programmes related to their subject. This helps the students to concretize the theoretical knowledge by exploring through the practical activities of their subject. For example, the Sahityavedi of Malayalam Department conducts workshops on poetry, short stories, 'Natakakalari' (drama camp) etc. Science Club of the college conducts various programmes like exhibition, seminar presentation, projects etc. to inculcate scientific temper.
-

**2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.**

- 20 smart class rooms fitted with LCD projectors and 11 portable projectors
- Centralised computer centre (C. K. Nair Computer Centre) with 60 computers
- Departments are equipped with computers and printers
- Separate computer labs for PG departments
- Language lab and E-reader
- Interactive board and LCD projectors in Conference Halls
- Structured high speed broadband facility and WiFi having unlimited usage under NME-ICT project.
- Virtual laboratory set up making use of Vlab, Olab, PhET etc.
- Promotes online courses like Massive Open Online Course (MOOC), SWAYAM (MHRD), National Program on Technology Enhanced Learning (NPTEL), Spoken tutorials (IIT Mumbai), UDACITY etc.
- Introduced Moodle
- Digital library set up accessible from the library, computer centre and department computer labs provide e-books, e-journals, e-magazines etc. Question bank consists of college and University level questions.
- Browsing facility using software KOHA.
- A well established library building with special reference section with 31237 books, 81 journals, periodicals, dailies etc.
- Software like Pro-frog Dissection Software for dissection of animals to study the internal anatomy, R, Instat, Python, LaTeX,
- Mobile education technology - example in the learning of Python
- Science departments have laboratories equipped with instruments and devices for degree and PG teaching and for conducting minor research projects
- Uninterrupted power supply using inverters, UPS and generators in each block
- Museums in the departments of Zoology, Botany and History

**2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

- Attending orientations/refresher courses, seminars, workshops
- Undergoing M.Phil., Ph.D. like programmes
- Industrial visits, field work, study tour and soft skill development programmes
- Expert lectures by eminent academicians in and around the college and University
- Blended learning utilized for doing project work, seminar presentation and colloquial competition
- Through linkage and collaboration with premier institutions like IIT, NIT, CUSAT, CUK, CPCRI, College of Agriculture and neighbouring colleges
- Peer reviewing and refereeing of research papers
- Items mentioned in 2.3.3 and 2.3.4

**2.3.7 Detail (process and the number of students benefited) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?**

The academic, personal and psycho-social support and guidance services, in addition to the usual programmes offered by the college, are through Academic Monitoring Committee, IQAC, NSS, NCC, CCIG, various academic coaching programmes, Women's Cell, Counselling Centre, WWS, SSP, ASAP, tutoring, remedial coaching and activities of other clubs formed for specific purposes. Details are provided in Appendices *D, E, K, V, L, N, P, W*.

Seminars, conferences and workshops are being conducted for academic support and guidance in advanced areas connected with various programmes. Details are given in the respective department profiles. Counselling and advice are given for higher education, for attending entrance examinations, for selecting research topics etc.

**2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?**

- College accepted the system which involves assignment, projects, problem solving, group discussion, presentation, debate and seminars for students.
- Experiment and activity based learning in Laboratory
- More emphasis given to ICT based learning and e-learning.

- Personalized learning environments are created through Moodle available in our website.
- Encourages the usage of interactive simulations provided by Vlab, Olab, PhET etc., which helps the students in expanding their knowledge base.
- Dissection software for dissection of animals
- PG and final year UG classrooms were made smart class rooms with Wi-Fi connectivity (NMEICT Project) in 2013-14.
- Renovated the existing computer centre into a full fledged computer centre cum conference hall with high speed broad band connection and Wi-Fi in 2016-17. It is also equipped with facilities for online examinations.
- College has general conference halls and three PG seminar halls.
- Interactive board available in the conference hall.
- A well established library building with special reference section houses 31237 books, 81 journals, periodicals, dailies etc. E-journals are available through N-LIST. Browsing facility using software KOHA.
- Digital library set up accessible from the library, computer centre and department computer labs provide e-books, e-journals, e-magazines etc.
- The college website contains collection of university question papers of various subjects during the last several years. Apart from this, hard copies of question papers are kept in the departments and library.
- The college website contains lecture notes and reference materials.
- The college conducts large number of exhibitions, workshops, camps, film festival, quiz programmes, colloquium competitions, debates, book reviews, industrial visits, field work and study tour that helps the students to enhance the horizon of their knowledge.
- Encourages students to undertake online courses like Massive Open Online Course (MOOC), SWAYAM (MHRD), National Program on Technology Enhanced Learning (NPTEL).
- Spoken tutorials (IIT Mumbai), UDACITY etc.

### **2.3.9 How are library resources used to augment the teaching-learning process?**

- Our library consists of a good collection of books with 31237 books and 81 journals with open access system spread over 5500 sqft area in two floors. The library has also a good collection of magazines, periodicals and news papers that supplements to the reference materials of the students. Apart from this students and staff has access to e-books and e-journals through inflibnet.
- During the commencement of first semester courses, an orientation programme on library usage is given to the students to enable them to utilize the library facilities to the optimum.

- To promote reading and reference habits among students, the college has introduced “Best Library User” award to two students.
- The library is annexed with a reprographic centre to enable the students get copies of the referred books if necessary.
- The college conducts a book exhibition every year in which leading book sellers in the state exhibit their collections with separate section for new arrivals.

**2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If ‘yes’, elaborate on the challenges encountered and the institutional approaches to overcome these.**

Generally, the institution is able to complete the curriculum within the planned time frame. However, there are instances where the working days are lost due to unforeseen interruptions like state wide hartal, bandh and government declared special holidays. In such situations special classes are arranged on Saturdays to compensate for the lost hours.

**2.3.11 How does the institute monitor and evaluate the quality of teaching learning?**

- The quality of teaching is evaluated periodically by feedback system. To improve the quality of learning, the infrastructure, the academic ambience, the college collects feedbacks from students, alumni and parents. The feedback is analysed, discussed in relevant forums and communicated to the concerned. From 2016-17 onwards, we have introduced online feedback system. As a healthy practice, the students are not required to reveal their identity in the feedback forms. The feedback form is also given in the college calendar and the college website to generate its acceptance among the stakeholders.
- The tutorial system and class wise PTA meetings provide another platform to discuss the quality of teaching, learning problems and other difficulties and demands of the students.
- The continuous evaluation system via class tests, assignments and seminars/viva voce helps the teachers to assess the level of dissemination of information.
- Besides department level evaluation, the Academic Monitoring Committee also evaluates the learning level of the students by analysing the scores of the students in various academic activities.

## 2.4 Teacher Quality

**2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.**

Highest Qualification	Professor		Associate Professor		Assistant Professor		Junior Lecturer		Total	
	M	F	M	F	M	F	M	F	M	F
<b>Permanent teachers</b>										
D.Sc./D.Litt.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	11	2	6	7	-	-	17	9
M.Phil.	-	-	2	2	-	3	2	2	4	7
PG	-	-	1	-	6	11	1	-	8	11
<b>Temporary teachers</b>										
D.Sc./D.Litt.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	3	-	-	-	3
M.Phil.	-	-	-	-	-	-	-	-	-	-
PG	-	-	-	-	3	9	-	-	3	9
<b>Part-time teachers</b>										
D.Sc./D.Litt.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	1	-	-	-	1	-
PG	-	-	-	-	-	1	-	-	-	1

- The regular teaching staff of the college are recruited as per the rules laid down by the UGC, Government and the University. As such, the vacancies are notified in at least three leading national dailies, detailing the eligibility criteria. The final selection is made in an interview by an interview board constituted as per the rules and guidelines specified in the Kannur University statute, which includes a Government nominee, subject expert allotted by the University and Management nominee. The rank list is prepared considering the performance of the candidates in the examination, the performance in the interview, the aptitude and attitude of the candidates etc. The appointment is made by the Manager strictly from the merit list prepared by the interview board.
- A prior concurrence from the Government is required to conduct the interview for each post. Also the posts arising due to sanctioning of new courses is to be created by the University and ratified by the Government before the posting is made. Since these formalities often take time, the college is forced to appoint guest lecturers on ad-hoc basis. The appointment from the list of candidates prepared for this purpose by the Deputy Director of Collegiate Education, Kozhikode. In appointment of guest lecturers as well, competency and qualification of the candidate are the sole criteria for selection.
- In case the selected teachers do not have doctoral degree, they are promoted to acquire the same by availing the FDP of UGC. Maximum effort is made by the college to see that the teachers get deputation from the Government in this regard.



- Staff members are encouraged to participate in maximum number of seminars, workshops, conferences etc. that enables them to enhance their knowledge base and gives them exposure to the new developments and trends in their subject and teaching method. Duty leave is granted liberally for the staff members for this purpose.
- Seminars and workshops are conducted in the college also to enrich and enlighten the teaching staff.
- Teachers are encouraged to participate in orientation and refresher courses.
- Hostel facilities are provided for female staff in the college womens hostel.

**2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

- To cope with the growing demand in respect of new programmes and emerging areas, the teachers are encouraged to attend workshops and training programmes organized in these areas by different Universities all over India. Maximum effort is made to ensure that the staff members keep pace with the new trends and developments in their subjects and emerging areas like Nanoscience and Technology, Fuzzy Mathematics, Ethnobotany (Ethnolinguistics and Doctrine of Signatures), Phytoremediation, Environmental Economics, Econometrics etc.
- Immediate recruitment is made in vacancies with highly qualified teachers having research experience in new programmes without any delay
- During the assessment period, approximately 50% of the faculty appointed, are having knowledge in advanced topics and almost all of them possess Ph.D. qualification. This helps to overcome the scarcity of qualified senior faculty due to retirement. As an example, teachers appointed in Botany, Zoology and Computer Science are with good knowledge in Biotechnology, Bioinformatics, IT etc.
- The college ensures the appointment of highly qualified guest lecturers whenever and wherever necessary
- Promotes and ensures the utilization of FDP programme of UGC to impart knowledge in modern areas leading to Ph.D.
- Encourages active participation of faculty in workshops, seminars, skill development programmes, methodology etc. through IQAC.

**2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.**

a) Nomination to staff development programmes: Details given in Appendix T.

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b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning.

- Teaching learning methods/approaches
  - ICT training programme in the use of multimedia presentation conducted by Department of Computer Science
  - Training programme in the use of interactive simulations in science education by Department of Physics.
- Handling new curriculum
  - Department wise group discussions conducted to prepare and designate teachers to handle the new curriculum introduced in 2014.
  - Training in informatics and handling software like Python, R, C++, Origin, Mathematica, LaTeX etc conducted by CKN Computer Centre and IQAC.
  - Training in handling the intranet Student Management System which includes attendance, continuous evaluation grades and student database by Department of Computer Science.
- Content/knowledge management
  - Through Seminars/Workshops/Refresher Courses/Exhibition/Expo (Appendix T).
- Selection, development and use of enrichment materials
  - Much ahead of the commencement of the semesters, text books, reference books and study materials as per the syllabi are procured and made available in the main library and department libraries
  - Book exhibition conducted by the Central Library
  - Department level discussion for the development of proceedings of seminars
  - ICT training programme in accessing enrichment materials conducted by Department of Computer Science
  - Training in the use of N-LIST by the College Central Library
- Assessment
  - The Academic Monitoring Committee of the college conducts training programme ‘tune your assessing’ to make the assessment effective and fruitful.
  - The Departments make it a regular practice to discuss in their meetings to ensure that assessment is productive.
- Cross cutting issues
  - Programmes are conducted to equip the staff members become aware and updated in cross cutting issues like dealing environmental hazards, disaster management, gender disparity, bio-farming, forestation, use of renewable energy, conservation of energy and water, health and hygiene.
- Audio Visual Aids/multimedia
  - Training to use smart board, LCD projectors, E-reader, preparation of presentation materials.
  - Training programme in the use of interactive simulations.

- OER's
  - Training in use of N-LIST, e-books, e-journals.
  - Training to give exposure about use of open resources (MOOC, NPTEL, SWAYAM, IIT Spoken Tutorial).
  - Training on open software like Latex, Python, R, Linux etc.
- Teaching learning material development, selection and use
  - Department level discussion for the development of teaching learning materials
  - Department level discussion for the development of proceedings of seminars
  - ICT training programme in accessing enrichment materials conducted by Department of Computer Science
  - Training in the use of N-LIST for content access by the College Central Library

c) Percentage of faculty

Details are given in Appendix S, U.

#### **2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)**

- Seed money from PTA and Management to carry out minor research and PG level projects
- Supports teachers to use the existing facilities in the science labs and simultaneously takes efforts to establish more approved research centres.
- As a policy, the institution takes efforts to promote both teaching and research simultaneously, by availing grants from UGC, KSCSTE, DST, CDS, NBHM etc. and strengthen the basic research facilities.
- It is a practice of IQAC to ensure that staff members are getting information on various grants available in time.
- To disseminate the research output among the academicians and research scholars, the college is publishing a research journal 'Academia'.
- Boosts academic publications including books for regular and distance education streams.
- Stimulates the teachers to serve as resource person, guest faculty in esteemed institutions. Teachers of our college have facilitated programmes in institutions like Central University of Kerala, Regional Institute of Education, Mysore, University of Calicut, Kannur University, Mahatma Gandhi University.
- Fosters linkages and collaborations with research institutions.
- Encourages teachers to participate in programmes like FLAIR.

- Provides leave and other required support to teachers to avail facilities like FDP and to attend seminars, conferences, workshops orientation/refresher courses.
- Supports the departments to conduct seminars, conferences, workshops, refresher courses etc.
- The college has the practice of conducting lecture classes in advanced level topics in which experts of various disciplines from esteemed institutions and eminent retired faculties of our institution are invited.
- The college has a research committee for promoting research and publications.

**2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.**

**State Level Awards**

1. Dr. Ambikasutan Mangad, Department of Malayalam - Dr.P.K.Rajan (Former Vice Chancellor) Memorial Best Teacher Award, Kannur University in 2012
2. Dr. Ambikasutan Mangad, Department of Malayalam - Professor Sivaprasad foundation Best teacher award in 2015.

In addition, our faculty have won recognition in extension activities, research and literature.

- Dr. Ambikasutan Mangad, Department of Malayalam
  - National Level
    1. Selected as a member of Kendra Sahithya Academy (not accepted) in 2016.
  - State Level
    1. 2012 - Performance Excellence award for protection of environment & biodiversity, presented by Justice R. Basant on 29<sup>th</sup> June 2012 at Lions club, Calicut
    2. 2013 - V. P. Sivakumar memorial award for Short story, Anathara
    3. 2014 - Naduvattam Sathyalal Short Story award, Neeraaliyan
    4. 2014 - Idavalath Kunhikkannan Gurukkal memorial Maithri award for life time achievements.
    5. 2015 - Kerala Bhasha institute's Karoor Neelakandha pillai award for Neer-aaliyan
    6. 2016 - Kaumudi award by Kollam Adhyapaka Kalavedi for life time achievements.
- P.K. Rethesh, Department of Economics
  1. Received K. N. Raj fellowship from CDS, sponsored by Government of Kerala in 2014

- M. Anoopkumar, Department of Economics
  1. Received K. N. Raj fellowship from CDS, sponsored by Government of Kerala in 2015
- Rukhaya M. K., Department of English
  - International Level
    1. Won the first prize for versification at the international level in a competition conducted by Ekphrasis(2012).
    2. The short story “Beyond the Horizon” was selected as one of the winning stories in the Women’s Domination Short Story Writing competition organized by The Forgotten Writers Foundation, Egypt in which 19 countries took part(2013).
    3. Won the Reuel International Prize for Criticism 2016 for being the most promising upcoming critic.
  - National Level
    1. The story “Beyond the Horizon” won the third prize at the national level in the story writing competition conducted by storymirror.com amongst 5216 entries (2015)
- Lt. Nandakumar K., Department of History
  1. Best NCC Officer of Kannur University in 2015
- Dr. K. V. Murali, Department of Physics
  - International Level
    1. Certificate of Outstanding Contribution in Reviewing, Materials Science and Engineering B (Impact factor: 2.331) (Elsevier), May 2015.
    2. Certificate of Reviewing, Materials Research Bulletin (Impact factor: 2.435) (Elsevier), May 2015
    3. Certificate of Reviewing, Materials Science in Semiconductor Processing (Impact factor:2.264) (Elsevier), May 2015
    4. Certificate of reviewing, Materials Science and Engineering B (Impact factor: 2.331) (Elsevier), May 2014
    5. Certificate of Reviewing, Materials Science and Engineering B (Impact factor: 2.331) (Elsevier), May 2013
    6. Certificate of Outstanding Contribution in Reviewing, Materials Science and Engineering B (Impact factor: 2.331) (Elsevier), May 2013
- Dr. T. M. Surendranath, Department of Statistics
  1. Awarded Kannur University Best Programme Officer award for the academic year 2013-2014.
  2. Rashtra Vibushan Award on outstanding contribution for National Economic & Social Development in the year 2014

### **2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?**

Yes. The institution has a practice of evaluation of teachers by the students, parents and alumni.

From academic year 2016-17 onwards, the system of collecting feedback was made online, thus bringing it onto a broad canvas. This facilitates all stakeholders to mark feedback any time from anywhere. The college thus gets a chance to improve the quality of teaching-learning process to a great extent.

The institution has a system of weekly class wise tutorials and semester wise PTA meetings. Feedback is being collected from students through these meetings also. The Principal, the IQAC Co-ordinator and the tutor concerned take necessary remedial measures.

## **2.5 Evaluation Process and Reforms**

### **2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?**

Students are made aware of the evaluation processes through

- The orientation programmes at the beginning of the semester.
- Syllabi which includes evaluation procedure, on the University and College websites.
- Teaching plan given at the beginning of the semester.
- Academic Calendar of the University/College/Department.
- Public address system of the college.
- Tutorial meetings.
- Teachers' interaction in the class.
- College and department notice boards.

Teachers are made aware of the evaluation processes through

- Workshops conducted at the college and University level to implement syllabi and curriculum .
  - Discussions in the College Council.
  - The presentation of the Academic Monitoring Committee in staff meeting.
  - Syllabus including evaluation procedure on the University and College websites.
  - Discussions at the department level on changes and amendments in the evaluation process.
  - Academic Calendar of the University/College/Department.
  - Public address system of the college.
-

**2.5.2 What are the major evaluation reforms of the University that the institution has adopted and what are the reforms initiated by the institution on its own?**

- In continuation of the evaluation reforms adapted in 2009 during the implementation of Choice based Credit Semester System, in 2014, indirect grading was implemented. Project work, field work and study tour are made mandatory for completion of the programme.
- An Academic Monitoring Committee was constituted in 2012 for effective implementation of the evaluation reforms and its smooth functioning.
- Transparent and fast evaluation is done through Moodle in certain subjects
- Introduced Open Book Tests as a part of continuous evaluation.
- For the accurate analysis of the evaluation outcome, Student Management System, an intranet application developed internally by the Department of Computer Science, is being used. This is a part of the policy of the college named 'Make in the College'.
- The college has taken initiative to start centralized evaluation camps in various subjects.

**2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the University and those initiated by the institution on its own?**

- Students and teachers are made aware of the evaluation process as mentioned in para 2.5.1.
- Regular monitoring is done by the Academic Monitoring Committee, the College Council, and the departments.
- Monitoring is done through tutorial meetings and class wise PTA meetings
- Results of the continuous evaluation are published on the department notice board and transparency is ensured
- For efficient and faster evaluation of the answer scripts, a number of centralized valuation camps are started and our college hosts camps of various subjects.
- Student Management System is used efficiently to implement the evaluation reforms.
- The college ensures the redressal of the complaints if any, through Department, College and University level Grievance redressal committees.

### **2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.**

#### **● Formative Assessment**

20% of the total marks in each course is earmarked for formative assessment. The assessment is based on a predetermined transparent system involving written tests, assignments/seminars/viva and attendance in respect of theory courses and lab involvement and records, tests and attendance in respect of practical courses.

Percentage of marks for these components are as follows:

- For Theory
  - \* Attendance - 25%
  - \* Assignment/Seminar/Viva - 25%
  - \* Test paper - 50%
- For practical courses
  - \* Attendance - 25%
  - \* Lab involvement and record - 50%
  - \* Test paper - 25%

The class tests are conducted after the completion of each module. For each course there will be at least two assignments and one seminar/viva. The course teacher maintains the record of marks awarded by formative assessment in respect of each student, in which signatures of the students are collected.

To ensure transparency of the evaluation process, the marks allotted are displayed on the notice board and students are given one week time for redressal of grievances if any. In addition to these, Presentations, Practical tests, Problem solving sessions, Projects, online tests, group discussions, open book tests, field work etc. are also practised.

#### **● Summative Assessment**

Summative assessment carries 80% of the marks. The examinations for this are conducted by the University after the completion of each semester. Assessment of mandatory project and viva are conducted at the end of the course. Model examinations are conducted prior to the summative examination, to reinforce their preparation.

#### **● Positive Impacts**

The approach in the assessment process has resulted in

- High pass percentage in the University examinations with a covetable number of University ranks/positions in various programmes.
- A good portion of the students clearing the entrance examinations and pursuing higher education and research in premier institutes like State and Central Universities, NIT, IISc.
- Achievements in competitive examinations like UGC NET, GATE, SLET, SET, PSC, UPSC, ISS.



**2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioural aspects, independent learning, communication skills etc.)**

Rigor and transparency in the internal assessment are achieved by

- Setting up of Academic Monitoring Committee for transparent assessment
- Publishing the schedule of internal assessment components in advance through Department and College Calendar, notice boards, announcement systems
- Circulating and publishing the internal assessment marks with break-up for components.
- Making Valued answer scripts available for scrutiny
- Giving opportunity for the students to approach three tier Grievance Redressal committees Department, College and University levels.
- By discussing the internal assessment marks in tutorial and classwise PTA meetings
- Maintaining student profile book
- Student Management System

Weightages given for overall development (in accordance with the University norms)

- Grace marks for participation and achievements in NSS, NCC activities
- Grace marks for achievements in fine arts and sports
- Various Awards/Endowments/Scholarships instituted by the college, alumni, staff, parents, PTA.
- Best Outgoing Student and Best Library User awards

**2.5.6 What are the graduate attributes specified by the college/ affiliating University? How does the college ensure the attainment of these by the students?**

- Research, inquiry and analytical thinking abilities.
- Capability and motivation for intellectual development.
- Ethical, Social and Professional Understanding.
- Communication.
- Teamwork, collaborative and management skills.
- Information literacy.
- Scientific temper and aptitude

To ensure the achievement of the above attributes, the college has

- The best infrastructure facilities for teaching learning, co-curricular and extra curricular activities.
- An atmosphere best suited for the achievement of these attributes.
- Developed an ambience conducive to serious teaching/learning.
- Infrastructure facilities:  
20 smart class rooms for ICT based teaching, high speed broadband internet facility under NMEICT project and WiFi in the entire campus, uninterrupted power supply through UPS, inverters and generators, new books and journals in the well furnished and spacious library for meeting the requirements of the new curriculum, well furnished and equipped centralized computer centre, separate computer labs for PG students, English language lab, museums, conference halls.
- Well qualified and highly talented teachers: Teachers contributions are ensured in tutorial, remedial teaching and activities in fine arts, sports, NCC, NSS, clubs. The IQAC, Academic Monitor Committee, the College Council and the Departments monitor the achievement of learning outcomes and plans for further development.
- The practice of conducting seminars, conferences, workshops, arts festival, sports meets etc.
- Provided opportunity to students to participate in various club activities apart from co-curricular activities.

### **2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?**

Department level committee shall have initial jurisdiction over complaints against CA. College level committee shall hear appeals against Department level decisions and University level committee shall hear appeals against College level decisions.

College level

- In the college, each department has a Grievance Redressal Committee comprising of course teacher and one senior teacher as members and the Head of the department as chairman. This committee shall address all grievances relating to the internal assessment.
- The college has a college level Grievance Redressal Committee comprising two senior teachers and two staff council members (one shall be elected member) as members and principal as chairman.

University level

- The University has a Grievance Redressal Committee consisting of the Pro-Vice-Chancellor as the chairman, Syndicate member in charge of examinations and the Chairperson of the Board of Studies concerned as members.

Procedure

- Students can submit their complaints regarding CA, if any to the Head of the Department concerned within one week of publication of results of CA and the Department level committee will dispose of such complaints within one week of receipt of the same. Appeals to college level committee can be made within one week of the decisions taken by Departmental level committee and they will be disposed of within two weeks of the receipt of the complaint. Appeals to the University level committee can be made within two weeks of the decisions taken by college level committee and they shall be disposed of within two months of the receipt of the complaint.
- There is a mechanism for revaluation and scrutiny of answer scripts after the publication of results. There is also provision for getting photocopy of answer scripts.

## **2.6 Student Performance and Learning Outcomes**

### **2.6.1 Does the college have clearly stated learning outcomes? If yes give details on how the students and staff are made aware of these?**

Yes, the college has clearly stated learning outcomes. It is communicated to the students and staff through

- Scheme and syllabus published in the University and College websites.
- Hard copy of syllabi available in the departments for ready reference to the staff and students.
- Curriculum based department level discussions.
- The department level orientation classes to students.
- Tutorial meetings.
- IQAC and Academic Monitoring Committee.

### **2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.**

- Institution monitors the progress and performance of students as mentioned in para 2.3.11.

Communicates the progress and performance of students through

- Department notice board
- Tutorial meeting

- Classwise PTA meeting
- Student Management System
- Circulation of continuous assessment grade/marksheet

Programme	Pass Percentage and University Rank /Position in				
	2012	2013	2014	2015	2016
B.Sc. Polymer Chemistry	78 I	96 I, II, III	84 I, II,III	96 I, II	85 I, II, III
B.Sc. Physics	97	86	92	92	97 III
B.Sc. Plant Science	85 I, II, III	90 I, II, III	81 I, II, III	100 I, II, III	93 I, II, III
B.Sc. Statistics	85 II	85 I, II	81 I, II, III	63 I, III	87 I, II, III
B.Sc. Zoology	79	95	95	93	89
B.Sc. Mathematics	88	81	84 I,II,III	93	68
B.A. History	74	61	82	83	90
B.A. Economics	84	80	81 I,II, III	93	87 I,II,III
B.Com.	93 II	92	97 I	100	93
M.Sc. Physics	100 III	91 II	91	91 III	91 I,III
M.Sc. Statistics	88 I, II,III	73 I,II,III	63 I,II,III	91 I, II	91 I,III
M.A. English	86	100	93 II	95	85 I,II,III
M.A. History	79	100	100	53 I	73 III
M.Com.	-	-	-	89 II	90

The college has performed excellently in almost all the programmes in the University level external examinations. Students bagged several ranks/top positions. The performance shows an upward trend comparing with the previous assessment period and the same is reflecting in the results of competitive examinations, students progression to higher studies and employment etc. The college being in a socially and economically backward area, this is a remarkable achievement.

### 2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The college has a three tier approach for the achievement of the learning outcomes.

- The college plan and organize the teaching, learning and evaluation schedules as described in para 2.3.1.
- IQAC also contribute to improve the teaching learning process (para 2.3.2).

- Through the strategies mentioned in para 2.3.3, learning is made student-centric by developing skills like interactive learning, collaborative learning, independent learning and critical thinking. These help to nurture creativity and scientific temper in students which transform them into life-long learners and innovators (para 2.3.4).
- Necessary technological infrastructure and facilities are boosted to achieve the intended learning outcomes (para 2.3.5). Learning resources in the library and the departments are regularly made up to date to augment the teaching-learning process.
- The college encourages the students and faculty to get exposed to advanced level of knowledge and skills in their respective areas (para 2.3.6) and the faculty are made to use the most innovative approaches and teaching methods.
- The college has the practice of regular monitoring and evaluation of the quality of teaching-learning and implementation of necessary remedial measures (para 2.3.11 and para 2.5.4).

#### **2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students) of the courses offered?**

Innovation and Research Aptitude are developed among students and faculty through

- Workshops, seminars etc., in advanced topics.
- NET coaching classes.
- The Research centre.
- Collaborative approaches with other institutes and links with premier institutes.
- Invited talks by eminent persons.
- Programmes like Walk With A Scholar.
- Mandatory projects in UG and PG levels.

Entrepreneurship skills are developed among students through

- Collaborative programmes like those of the Department of Commerce and the Department of Botany

Quality Jobs are ensured to students through

- Activities and programmes of the Centre for Career Information and Guidance (CCIG).
- Coaching classes for Entry In Services.
- Entrance coaching classes.
- Coaching classes for NET.
- Programmes of the soft skill development club.

- Courses like ASAP.

Social commitment is nurtured in students through

- Various open courses offered.
- Activities of NSS including outstation camps and construction of houses for the needy.
- Activities of NCC including camps.
- Sports and games.
- Fine arts programmes.
- Activities and programmes like construction of houses, forestation, environment protection and anti-drug campaign by various clubs like Sahithyavedi, Biodiversity club and Laharivirudhavedi etc.
- Magazine and publications of clubs like Sahithyavedi, Laharivirudhavedi.

### **2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?**

The institution collects and analyzes data on student performance and learning outcomes through

- The course teacher
- Tutorial meeting
- Continuous evaluation
- Academic monitoring committee
- Students' feedback
- Feedback from Alumni
- Management meeting on result analysis and comparison at the University level

Barriers of learning are overcome by providing

- Remedial classes.
- Extra labs and internal tests.
- Entrance examinations oriented coaching.
- Coaching for entry in service.
- NET coaching.
- Orientation in software use (LaTeX, R, Python, Tally etc.).

- Scholarships and endowments to overcome economic barriers.
- Hostel facilities (To overcome difficulties in transport).
- Free and flexible Internet-WiFi (To provide free knowledge resources).
- Digital library and book bank systems .
- Counselling.
- Cooperative store and Photostat centre (to provide good quality items at a moderate cost).

### **2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?**

The institution has a highly structured monitoring system which ensures the achievement of learning outcomes through

- The face to face interaction between the course teacher and the students
- Tutorial meeting
- Continuous evaluation
- Academic monitoring committee
- Students' feedback
- Feedback from Alumni
- Management meeting on result analysis and comparison at the University level

### **2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If yes provide details on the process and cite a few examples.**

Yes. The college categorizes students into fast (above 80% score), average (between 60% and 80%) and slow learners (below 60%) using assessment/evaluation.

- The college confirms that the students of the fast learner group are high end learners with good performance and that they have achieved learning objectives.
- High end learners are exposed to advanced level areas of various programmes through Walk With A Scholar, invited lectures, workshops, colloquium, projects, interactive learning through simulations, e-learning etc.
- Diagnoses reasons for the slowness of average and slow learners through face-to-face interactions between students and the course teacher, class tutorials. In special cases, one to one meetings with the Heads of Departments are arranged.
- Studies the socio-economic background through Student Management System.

- Direct interactions with parents and individual discussions in PTA meetings are arranged to further confirm and to identify whether their socio-economic background has contributed to their backwardness.
- Supports the average and slow learners.
  - through scholarships and endowments to overcome economic barriers
  - by providing hostel facilities to overcome difficulties in transport
  - by providing free and flexible Internet-WiFi to provide free knowledge resources
  - by providing digital library and book bank systems
  - through counselling
  - Entrance exam oriented coaching
  - NET coaching
- Supports slow learners through
  - Individual attention by course teacher
  - Remedial classes
  - Scholar Support Programme
  - Extra labs and internal tests
  - Coaching for entry in service
  - Group discussions with high end learners

**Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.**

A full fledged centralised research lab is going to be established in the coming year utilizing the fund 1.1 crore sanctioned under the FIST scheme of the Department of Science and Technology. This will foster teaching, learning and research.



## **Criterion 3**

### **Research, Consultancy and Extension**

#### **3.1 Promotion of Research**

##### **3.1.1 Does the institution have recognized research centre/s of the affiliating University or any other agency/organization?**

Yes. Department of Statistics is having a recognized research centre of Kannur from 2001 onwards. The Department of Physics has applied for a research centre.

The Department of Science and Technology has sanctioned Rs. 1,10,00,000/- to the college under the FIST programme out of which Rs. 60,00,000/- is exclusively for setting up a research centre for the Science Departments.

##### **3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.**

The institution has a Research Advisory Committee to guide the students and faculty. The Committee initiates to inculcate research aptitude in the institution. The Research Committee has following members:

Chairman: Dr. P. V. Pushpaja (Principal)  
Coordinator: Dr. Ashokan. A (Dept. of Economics)  
Members: Dr. Radhakrishnan Nair. K (Dept. of Statistics)

#### **Recommendations of the Research Advisory Committee**

- Inculcate scientific temper among students.
- Motivate the teachers to acquire research degrees (M.Phil., Ph.D. and post doctoral).
- Disseminate information and motivate the teachers to apply for and take up major and minor research projects.
- Encourage teachers to publish their research findings in national and international journals with good impact factor.
- Bring out a research publication.
- Encourage teachers to take up collaborative projects with local/national agencies.
- Make visible the services and research expertise available with the institution for stakeholders and general public.
- Encourage research guides to take up the offer of enlistment in reviewer's panel and membership in the editorial board of international and national journals.
- Motivate teachers and students to participate in National/International Seminars, Conferences and Workshops.

- Persuade the departments to organize seminars/workshops at state/national/international levels with the financial assistance from the College and other funding agencies like UGC, DST, KSCSTE etc.
- Assess the infrastructural requirements for the research and take initiatives for the procurement.
- Acquire more reference books and journals and also subscribe online resources.

### **Impact of the Recommendations of Research Committee**

1. The college submitted a proposal for grant under the FIST programme of the Department of Science and Technology, Government of India and has obtained an assistance of Rupees 1.1 crore.
2. At present more than 66% of our faculty members have research degrees (M.Phil./Ph.D.) and 18% have got registration for doing research. 9 of the permanent and 4 of the temporary faculty members completed their research work and were awarded Ph.D degree during this period and 10 are pursuing Ph.D. programme at present.
3. The PG Department of Physics and History, UG Department of Chemistry, Malayalam and Economics are making efforts to establish research centre. 11 faculty members of the institution guide the research work of 21 scholars at present.
4. 11 minor projects were awarded/completed to the faculty members during this period. The Departments of Chemistry, English, Economics and Commerce have received grants for Minor Research Projects from UGC.
5. 204 research papers have been published by the faculty in national and international journals during the assessment period.
6. 50 research papers have been presented in national/international conferences/seminars.
7. Teachers from the Departments of Botany, Mathematics and Physics have reviewers and referees of International Journals.
8. Some of the teachers have been examiners for evaluation of Ph.D. theses from other universities. Teachers from the Departments of Botany and Mathematics have membership in the editorial board of journals.
9. 88 seminars/workshops have been conducted in the college during the assessment period.
10. Faculty members of the institution participated in many seminars organized by reputed institutions as resource persons.
11. Teachers have attended 250 national/international seminars/conferences and workshops.
12. As part of the policy in new books acquisition, care is taken to regularly purchase books that enliven the research interest of the faculty and students. The College library also subscribes to N-LIST. 3557 number of books and 30 number of journals have been added during the assessment period.

13. The Committee take the lead role in bringing out a National science journal Academia A Multi Disciplinary Research Journal (ISSN No. 2395 -7050) to promote research publications.
14. Department of Statistics extend the activities to the local bodies by providing project reports classifying APL and BPL categories of the people of the locality.
15. PG level projects in Physics in collaboration with Central University of Kerala and other colleges.
16. Department of Botany has collaborative UG projects with CPCRI, College of Agriculture, Padannakkad etc.
17. Department of Statistics has collaborative PG projects with PG colleges in and around the University and State.

### **3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?**

1. The college has constituted a Research Advisory Committee with the following objectives
  - To facilitate smooth conduct of research in the campus.
  - To ensure that the researchers are provided with sufficient facilities for research.
  - To make aware of the provisions for research grants, funding agencies, purchase of sophisticated equipments etc.
2. IQAC extends full support and co-operation for research and necessary awareness.
3. The college applied for Fund for the Improvement of Science and Technology (FIST) infrastructure to the Department of Science and Technology (DST), Government of India for enhancing research activities by developing research infrastructure. After assessing the teaching and research activities for the last five years, the DST recommended and sanctioned an amount of Rs. 1.1 crore.
4. The college extends full support, absolute freedom and encouragement to the investigators in their work.
5. The college insists timely completion of the projects and submission of the reports to the concerned agencies.
6. The project report is made available in the college website and in the college library.
7. The college encourages publication of research outputs in the college journal and other reputed peer reviewed journals.
8. The college ensures prompt release of funds received from various agencies to the investigators.
9. Researchers are free to use the facilities of the college 24 × 7 hours.

10. Provides uninterrupted power supply, high speed wired and WiFi internet facility, computers and laptops, furniture, lab equipments etc.
11. The college library having more than 31,000 books and 80 journals, N-LIST, e-books, e-journals supports research.
12. The college encourages conduct of/participation in seminars and workshop in and outside the college to give exposure to advanced research areas. Duty leave is granted to teachers attending such programmes as per Government rules.

### **3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?**

Efforts are made by the institution in developing scientific temper and research culture and aptitude among students through

1. Encouraging students to take up research oriented projects and seminar presentation. Also one project is mandatory for each student in each programme.
  2. Making students to participate in conducting and attending national and regional seminars on topics of recent trends.
  3. Inviting well placed alumni in research fields in Science, Arts and Humanities to interact with students for motivating them to pursue research.
  4. Motivating students to contribute articles to journals, college magazine and to collect and exhibit recent trends on the notice board.
  5. Organizing science exhibitions with a view to inculcate scientific temper among the students as well as society at large.
  6. Instituting state level Doctoral Dissertation Award for the best Ph.D. thesis in Physics.
  7. Participation in activities of clubs like Science Club, Biodiversity Club, Mathematics Club and History Club.
  8. Conducting Debate, Quiz, Colloquium, Essay competitions etc.
  9. Interaction with faculty members having research experience. Students are given opportunity to have a hands on experience in research projects carried out by teachers and research scholars.
  10. Promoting usage of ICT based learning and interactive simulations available in the web.
  11. Field work and study tour to premier research institutions, industries etc.
  12. Collaboration and link with premier institutions and reputed colleges like Central Plantation Crops Research Institute, Kasargod, Kerala Agriculture University, Padnekat, Central University of Kerala, Kasargod, Cochin University of Science and Technology etc.
  13. Promoting reading habits among students utilizing the well equipped college library.
  14. Giving opportunities to apply theoretical knowledge through performing experiments in laboratory.
-

15. Developing research infrastructure and teaching facilities. The college submitted a proposal to the Department of Science and Technology under FIST scheme and has received a fund of Rs.1.1 crore for the improvement of science and technology infrastructure for enhancing research activities by developing research infrastructure.

### 3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.)

11 faculty members are recognized research guides of Kannur University. At present 21 research scholars of these research supervisors are involved in research work leading to Ph.D. External faculty members are also working as research guides in the research centres of our college.

Out of 56 permanent faculty members, 26 have obtained their Ph.D. and 10 are actively doing their research. 9 teachers retired during the assessment period were Ph.D. holders. Apart from Ph.D. holders, 11 faculty members possess M.Phil. degree. 2 teachers retired/relieved during the period were M.Phil. degree holders. 16 faculty members have both Ph.D. and M.Phil. degrees.

#### Research Guides and Research Students of the Institution

Sl. No.	Name of the Guide & Department	Affiliated Research Centre	No. of students currently doing Ph.D.	No. of Students awarded Ph.D.
1	Dr. M. Kumaran, Department of Statistics (Retired)	NAS College, Kanhangad	3	1
2	Dr. S. Jayadevan, Medical College, Pariyaram	NAS College, Kanhangad	2	2
3	Dr. A. Muralidharan, Department of Chemistry	Govt College, Kasaragod	6	1
4	Dr. A. Mohanan, Department of Chemistry	Govt College, Kasaragod	-	-
5	Dr. A. Ashokan, Department of Economics	Govt. Brennen College Tellicherry	-	-
6	Dr. M. Ambikasutan, Department of Malayalam	University Central Library, Kannur	1	-
7	Dr. K. M. Udayanandan, Department of Physics	Swami Anandatheertha Campus, Payyannur, Kannur University	6	-
8	Dr. K. Naseema, Department of Physics	Swami Anandatheertha Campus, Payyannur, Kannur University	5	-
9	Dr. P. T. Sebastian, Department of History	University Central Library, Kannur	1	-
10	Dr. K. Jayasree Nair, Department of History	University Central Library, Kannur	1	-
11	Dr. M. Muralidharan Nambiar, Department of Political Science	Govt. College, Kasaragod	Nil	-
12	Dr. P.V. Pushpaja, Department of Statistics	NAS College Kanhangad	Nil	-

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

Sl. No.	Name of the Guide & Department	Affiliated Research Centre	No. of students currently doing Ph.D.	No. of Students awarded Ph.D.
13	Dr. K. K. Geetha (Deceased), Department of Statistics	NAS College Kanhangad	Nil	-

**Details of guidance/co-guidance given to candidates of other colleges/universities**

• **Dr. K. M. Udayanandan**

Sl. No.	Name of the Student	Course	Name of the University/ College	Year
1	Nayana M.	M.Sc.	S.N. College, Kannur, Kannur University	2015-16
2	Soorya A. V.	M.Sc.	I.T.M. College, Mayyil, Kannur University	2015-16
3	Laya K. V.	M.Sc.	Taliparamba Arts and Science College, Kanhirangad, Kannur University	2015-16
4	Athira A. K.	M.Sc.	I.T.M. College, Mayyil, Kannur University	2015-16
5	Arun S. S.	M.Sc.	A.B.A.H. Arts and Science College, Meppayur, University of Calicut	2015-16
6	Arjun V. Anand	M.Sc.	M.P.M.M. S.N. Trust College, Shornur, University of Calicut	2015-16
7	Krishnapriya	M.Sc.	Payyanur College, Payyanur, Kannur University	2015-16

• **Dr. K. V. Murali**

Sl. No.	Name of the Student	Course	Name of the University/ College	Year
1	Vini. M.	M.Phil.	Bharathidasan University	2014-15
2	Haseena. T. P	M.Phil.	Bharathidasan University	2015-16
3	Vijayalakshmi	M.Sc.	Dr. Ambedkar Arts & Science College, Periyar, Kannur University	2016-17
4	Kavitha	M.Sc.	Taliparamba Arts & Science College, Taliparamba, Kannur University	2016-17
5	Nithya	M.Sc.	Taliparamba Arts & Science College, Taliparamba, Kannur University	2016-17
6	Rekha	M.Sc.	Taliparamba Arts & Science College, Taliparamba, Kannur University	2016-17
7	Neethu	M.Sc.	Payyanur College, Payyanur	2016-17
8	Aswathi	M.Sc.	Payyanur College, Payyanur	2016-17
9	Sarina P	M.Sc.	Payyanur College, Payyanur	2015-16
10	Varsha	M.Sc.	Payyanur College, Payyanur	2015-16
11	Navyasree	M.Sc.	Sir Syed College, Kannur University	2015-16
12	Dhanima	M.Sc.	Sir Syed College, Kannur University	2015-16
13	Sylna	M.Sc.	Sir Syed College, Kannur University	2015-16
14	Praveena	M.Sc.	Sir Syed College, Kannur University	2015-16
15	Akhil Lal K. V	M.Sc.	Dr. Ambedkar Arts & Science College, Periyar, Kannur University	2015-16
16	Rajin. U	M.Sc.	Dr. Ambedkar Arts & Science College, Periyar, Kannur University	2013-14
17	Krishnaprabha	M.Sc.	Dr. Ambedkar Arts & Science College, Periyar, Kannur University	2013-14
18	Poornima. G. M.	M.Sc.	Dr. Ambedkar Arts & Science College, Periyar, Kannur University	2013-14

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

Sl. No.	Name of the Student	Course	Name of the University/ College	Year
19	Meenu. P. V	M.Sc.	Dr. Ambedkar Arts & Science College, Periyar, Kannur University	2013-14
20	Saritha. K	M.Sc.	Dr. Ambedkar Arts & Science College, Periyar, Kannur University	2016-17

• Dr. K. Naseema

Sl. No.	Name of the Student	Course	Name of the University/ College	Year
1	Seena	M.Sc.	Taliparamba Arts & Science College, Taliparamba, Kannur University	2016-17

• M. Anoopkumar

Sl. No.	Name of the Student	Course	Name of the University/ College	Year
1	Deepa	M.Phil.	University of Calicut	
2	Manojkumar. P	M.B.A	University of Calicut	2014

• Dr. K. Radhakrishnan Nair

Sl. No.	Name of the Student	Course	Name of the University/ College	Year
1	Dr. Jeena B. P.	M.P.H.	Nitte University, Mangalore	2015-16

**Research Projects Undertaken by the Faculty**

Sl. No.	Name of the Faculty	Nature of the Project	Status	Title of the Project	Funding Agency	Amount Sanctioned/ Received/ Requested
1	Dr. A. Muralidharan, Dept. of Chemistry (Retired)	Minor	Completed	Synthesis of some ibuprofen analogues carrying 1,2,4-triazole moiety	UGC	1,40,000
2	Dr. A. Mohanan, Dept. of Chemistry	Minor	Ongoing 2016 onwards	Synthesis and Characterization of sodium alginate/gelatin interpenetrating polymeric network nanocomposites	UGC	4,90,000
3	P. K. Rethesh, Dept. of Economics	Minor	Completed	Exclusion in Higher Education among Scheduled Tribes : Evidences from Kasaragod District of Kerala	UGC	1,00,000

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Nature of the Project</b>	<b>Status</b>	<b>Title of the Project</b>	<b>Funding Agency</b>	<b>Amount Sanctioned/ Received/ Requested</b>
4	M. Anoopkumar, Dept. of Economics	Minor	Completed	Growing Gap between Revenue and Expenditure - An Analysis with reference to Urban Local bodies in Kasaragod district of Kerala	UGC	1,00,000
5	M. Anoopkumar, Dept. of Economics	Minor	Completed	Commodity price Instability Under Globalization in India	CDS	1,00,000
6	Vijayakumar. V, Dept. of Commerce	Minor	Ongoing	Interstate migration and growth of construction industries an inference from kasaragod district	UGC	55,000
7	Namratha Manoharan, Dept. of English	Minor	Ongoing	Enhancing the second Language and Soft Skill Proficiency of High School Students by incorporating an innovative Teaching learning pedagogy	UGC	80,000
8	Biju N. C, Dept. of English	Minor	Ongoing	Communicative Competence and Language Proficiency Acquisition Programme	UGC	1,30,000
9	Dr.K. M. Udayanandan, Dept. of Physics	Minor	Completed	Study of Bose-Einstein condensation in harmonic oscillator potential	UGC	95,000
10	Dr. T. Vijayan, Dept. of Statistics	Minor	Completed	Making Under Fuzzy Uncertainty in Inventory Management Problems	UGC	86,000
11	Dr. P. V. Pushpaja, Dept. of Statistics	Minor	Completed	Parametric Tests Based on Generalised Lambda Distribution	UGC	1,00,000
12	Dr. K. M. Udayanandan, Dept. of Physics	Major	Submitted	SARD project	KSCSTE	40 Lakhs
13	Dr. K. Naseema, Dept. of Physics	Major	Submitted	Investigation on Linear and Non-linear Optical Properties of Some Novel Chalcone and Hydrazone Derivatives	KSCSTE	30 Lakhs



**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

Sl. No.	Name of the Faculty	Nature of the Project	Status	Title of the Project	Funding Agency	Amount Sanctioned/ Received/ Requested
14	Mr. Ramesh Kumar. R, Dept. of Physics	Minor	Submitted	Studies on back-ground radiations in Hosdurg Taluk of Kasaragod District	UGC	5 Lakhs
15	Dr. P. V. Pushpaja, Dept. of Statistics	Major	Submitted	Multilevel modeling for evaluating drinking water quality	KSCSTE	10 Lakhs
16	Dr. Agretious Thomas. K, Dept. of Botany	Minor	Submitted	Floristic Studies on the Family Strophariaceae (Agaricales, Fungi) in the Northern Kerala	UGC	2 Lakhs

A few staff members take initiative for collaborative research with Scientists from institutions of National repute, quite recently.

- Department of History has been collaborating with local bodies in compilation of local History of this area.
- Department of Statistics conducted a socio-economic survey on rubber cultivation in collaboration with Central Plantation Crop Research Institute (CPCRI), Kasargod to study different aspects related to rubber cultivation in Kasargod district.
- Department of Physics has a continuous link with Sophisticated Test Instrumentation Centre (STIC), CUSAT campus, Kochi for technical analysis related with research in Material Science.
- Department of Physics has a link with NIT, Suratkal; CUK, Kasargod,; CUSAT, Mangalore University, Kannur University for research in Material Science.
- Department of Physics has formed a link with IIT, Mumbai and a faculty of the Department attended Indian Nano electronics Users Program (INUP) run by the Centre of Excellence in Nanoelectronics at the Indian
- Institute of Technology, (IITB) and the Indian Institute of Science, Bangalore (IISc). It is an initiative taken to create and spread the expertise of nano electronics in the country. INUP serves as a platform for the researchers to come together and benefit from complementary expertise.

**Collaborative Research Activities**

Sl. No.	Department	Project Title	Collaborative Institution	Year
1	Botany	Mushroom Cultivation Training	KVK, CPCRI	2013-2015
2	Botany	Trichoderma cultivation & Marketing	College of Agriculture	2014-2015
3	Botany	Local Mango, Survey, Collection and Conservation	College of Agriculture	2014-2015

Sl. No.	Department	Project Title	Collaborative Institution	Year
4	Botany	Budding, grafting and Layering	College of Agriculture	2012-2016
5	Botany	Mushroom Spawn Production	College of Agriculture	2015-2016
6	Commerce	Expo Commercio	Botany Department	2014
7	Commerce	Awareness programme on currency related issues	Reserve Bank of India	2016-17
8	Commerce	Financial literacy programme	Securities and Exchange Board of India (SEBI)	2016-17
9	History	Explorations to find out ancient settlements in Kasaragod district	Kerala State Archives Department	2015-16
10	Physics	Working on Metal Oxide Thin Films	Dept. of Physics, PRNSS College, Mattannur	2012 onwards
11	Physics	Working on metal oxide thin films, nano particles	Dept. of Physics, S.D.College, Alappuzha	2014 onwards
12	Physics	Working on Metal Oxide Thin Films, Metal oxide nano particles	Dept. of Physics, Central University of Kerala	2016 onwards
13	Physics	Indian Nano electronics Users Program (INUP)	IIT, Mumbai	2015 onwards
14	Statistics	Socio-Economic Conditions of Rubber Cultivators	Kerala State Rubber Board	2013-15

**3.1.6 Give details of workshops/ training programmes/sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.**

**Number of workshops/training programmes/sensitization programmes organized by the institution (Department-wise)**

Department	Number of Programmes
Botany	9
Chemistry	4
Economics	1
English	11
History	11
Malayalam	65
Mathematics	12
Physics	8
Political Science	1
Statistics	5
Zoology	13
<b>Total</b>	<b>140</b>

Seminars/ Lectures/ Workshops/ Conferences were organized by the various departments during the last five years details of which are given in respective department profiles.

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

<b>Sl. No.</b>	<b>Date</b>	<b>Programme/ Level</b>	<b>Title</b>	<b>Funding Agency</b>
<b>Department of Botany</b>				
1	28/02/13	Seminar, National level	Genetically Modified Crops and Food Security	KSCSTE
2	08/02/13	Seminar, Regional level	Mental Health and Personality	PTA
3	29/01/14	Seminar, Regional level	Mental Health and Personality	PTA
4	18/02/14	Seminar, Regional level	Fostering Scientific Temper	KSCSTE
5	25/02/14	Seminar, Regional level	Astrophysics and Astronomy	KSCSTE
6	25/01/14	Regional level	Science Exhibition	PTA
7	10/09/15	Regional level	Environmental Awareness Science exhibition	PTA
8	19/01/16	Seminar, Regional level	Coastal and Wetland Ecosystem	PTA
9	22/01/16 to 23/01/16	Seminar, National level	Climate change Challenges & Solutions	KSCSTE
<b>Department of Chemistry</b>				
10	06/02/14 to 07/02/14	Seminar, National level	Polymers-Plural Thoughts Over The Boons And Bans	KSCSTE
11	10/10/14	Seminar, Regional level	Solid Waste Management A Sustainable Perspective	KSCSTE
12	25/02/14	Science Exhibition, Regional level	Fostering scientific temper	Science Club
13	01/12/13	Demonstration, Regional level	Exploring the beauty of Science	Science Club
<b>Department of Economics</b>				
14	18/09/14, 23/09/14, 24/09/14	Seminar, National level	Economics of Climate Change: Understanding the Linkage between Economy and Ecology	UGC
<b>Department of English</b>				
15	21/08/13	Training, Regional level	Soft Skills	Soft skill club, PTA, Management
16	17/02/14	Seminar, Regional level	Research Methodology	English Association, PTA, Management
17	13/03/14	Seminar, Regional level	Use of Profane humour in Art as a counter Discourse : An inter disciplinary inquiry	English Association, PTA, Management
18	14/08/14	Seminar, Regional level	Research methodology & Academic writing	PTA, Management
19	05/09/14	Seminar, Regional level	Womens Rights and Laws: Objectives and perspectives	English Association , PTA, Management
20	30/12/15	Workshop, Regional level	Developing communication Skills	Soft skill club, PTA, Management
21	01/09/16	Seminar, Regional level	Life skills and woman empowerment	Soft skill club, PTA, Management
22	24/01/14	Seminar, Regional level	Personality Development	English Club, PTA, Management
23	17/02/16	Film Festival, Regional level	Silver Screen Carnival	English Association, PTA, Management

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

<b>Sl. No.</b>	<b>Date</b>	<b>Programme/ Level</b>	<b>Title</b>	<b>Funding Agency</b>
24	03/10/16 - 04/10/16	Workshop, National level	Cinema Paradiso	PTA, Management
<b>Department of History</b>				
25	23/03/13	National Seminar	Nationalism, Peasant Movements and Social Change	UGC
26	13/10/12	Regional Seminar	Local History	History Alumni Association
27	30/06/12	National Seminar	National Seminar	UGC
28	09/03/15 - 10/03/15	National Seminar	New Perspectives on Decentralisation: Youth, Women, Marginalised and Local Level Development	Kerala Institute of Local Administration (KILA) and PTA
29	13/03/15 - 14/03/15	State level Seminar	Archaeology	Kerala State Archives Department and Archaeological Department
30	23/02/15 - 24/02/15	National Seminar	Human Rights Issues of Unorganised Workers on Malabar Region	UGC
31	01/10/15	Regional Seminar	Tuhfat al- Mujahidin	Faculty members, College Management Committee and PTA
32	11/10/16	State Level Seminar	Historiography of Kerala	Faculty members and PTA
33	28/01/16	State Level Seminar	Archives and Archaeological Seminar and Exhibition	Kerala State Archives Department and Archaeological Department
34	28/01/16	State Level Seminar	Archival Conservation Clinic	Kerala State Archives Department and Archaeological Department
35	29/01/16	State level	Study Trip to Archaeological Sites	Kerala State Archives Department and Archaeological Department
<b>Department of Malayalam</b>				
36	12/10/12	Regional level	Kaviyarang	Sahithyavedi
37	16/08/13 - 17/08/13	State level	Cartoon Workshop	Sahithyavedi
38	27/09/13 - 29/09/13	National Workshop	Folklore Workshop	SSA, Folklore Academy, Sahithyavedi
39	04/07/14	Regional workshop	Kaviyarang	Sahithyavedi
40	07/08/14	National Workshop	National Kotiyetam	UGC
41	08/08/14 - 09/08/14	National workshop	Crative Writing	UGC

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

<b>Sl. No.</b>	<b>Date</b>	<b>Programme/ Level</b>	<b>Title</b>	<b>Funding Agency</b>
42	02/01/15 - 09/01/15	Regional workshop	Dictionary of Local Dialect (Ponhar)	Sahityavedi
43	06/02/15 - 07/02/15	National Film Festival	Kazhchayute Samaramukham	SSA, Sahityavedi
44	26/02/15	State level	Stall (Sahityavedi) In University Arts Festival and Oppumaram (signature tree for freedom of expression)	Sahityavedi
45	20/08/15	State level	Katadiththanalile Onam	Sahityavedi, NASCA UAE Chapter
46	19/09/15 - 20/09/15	State level	Workshop On Art And Painting	SSA, Sahityavedi
47	20/02/16 - 21/02/16	State level	Workshop On Literature	SSA, Sahityavedi
48	09/08/14	National level	Book Release	Sahityavedi
49	30/09/16	National Film Festival	Women, dalit environment	Sahityavedi
50	22/10/16	State level	Workshop on Acting	Sahityavedi
51	12/11/12	Regional seminar	Classical Status Of Malayalam	Sahityavedi
52	25/01/13	State level seminar	Post Modern Poem And Sensibility	Sahityavedi
53	30/01/13	Regional seminar	Anusmaranam - Sukumar Azhikkod	Sahityavedi
54	11/02/13	Regional seminar	Debate On Malayalam Short Story	Sahityavedi
55	12/02/13	Regional seminar	Anusmaranam - Prof. D. Vinayachandran (Poet)	Sahityavedi
56	14/03/13	Regional seminar	Discussion On Kannur University Prize Winning Poem "Ene Pani Thuni Keni" By P Sreenath	Sahityavedi
57	28/06/13	Regional seminar	Discussion On Women Characters Of Basheer	Sahityavedi
58	02/08/13	Regional seminar	Discussion On Poem Ode To The Sea (Banned Calicut University)	Sahityavedi
59	03/10/13	State level seminar	Discussion On Short Story "Rodil Palikkenda Niyamangal" By Santhosh Echikkanam	Sahityavedi
60	04/07/14	Regional seminar	Kaviyarang	Sahityavedi
61	26/09/14	Regional seminar	Discussion About The Importance Of "Nattumozhi" Tenth Year Of Ponjar"	Sahityaved
62	07/11/14	Regional seminar	Possibilities And Challenges Of Mother tongue Malayalam	Sahityavedi
63	30/01/15	Regional seminar	Debate On Freedom Of Expression Based On Perumal Murugans Dicismion To Stop Writing	Sahityavedi
64	27/02/15	Regional seminar	"Oppu Maram (Tree Of Signature) On Freedom Of Expression"	Sahityavedi

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

<b>Sl. No.</b>	<b>Date</b>	<b>Programme/ Level</b>	<b>Title</b>	<b>Funding Agency</b>
65	11/03/15	State level seminar	Inauguration Of Project-Madhyamam Weekly Reading	Sahityavedi
66	25/03/15	State level seminar	“Discussion With Poet Kalpata Narayanan”	Sahityavedi
67	19/06/15	Regional seminar	Speech On “The Book I Read”	Sahityavedi
68	03/07/15	State level seminar	Lecture On Uroob (Novelist)	Sahityavedi
69	10/07/15	Regional seminar	My Basheer And Your Basheer Discussion On Works of Eminent writer Vaikom Muhammad Basheer	Sahityavedi
70	24/07/15	Regional seminar	Discussion - Facebook	Sahityavedi
71	31/07/15	Regional seminar	Ormachirakil A. P. J. Abdul Kalam	Sahityavedi
72	04/09/15	Regional seminar	Memories Of/On Teachers	Sahityavedi
73	11/09/15	Regional seminar	Discussion- New Generation Film	Sahityavedi
74	16/09/15	State level seminar	Inauguration Of Sahithya Vedi	Sahityavedi
75	26/09/15	Regional seminar	Talk On Relevance Of Dialects In Malayalam	Sahityavedi
76	01/10/15	Regional seminar	Katha Paadham	Sahityavedi
77	09/10/15	State level seminar	Discussion On Short Story “Panthibhojanam” By Santhosh Echikkanam	Sahityavedi
78	08/01/16	Regional seminar	Talks On Experience Of 2015	Sahityavedi
79	07/06/16	State level seminar	Inauguration of sahityavedi @30 and talk on Malayalam Classic language	Sahityavedi
80	23/06/16	State level seminar	Inauguration of Folklore club and talk on folklore and Climate	Sahityavedi
81	13/07/16	National seminar	Global media and changes in culture	Sahityavedi
82	14/07/16	Regional seminar	Environment: threats and hopes	Sahityavedi
83	23/07/16	Regional seminar	Chakka Maholsavam and seminar on Organic Farming	Sahityavedi
84	17/08/16	Regional seminar	Aushadhavanam Prakhyapanam and talk on Environment and culture	Sahityavedi
85	01/11/16	State level seminar	Malayalam Classic and Official Language: seminar	Kerala Government
86	25/09/12	Regional seminar	Remembering Thilakan(Film Actor)	Sahityavedi
87	09/10/12	Regional seminar	Discussion with Madhu Kaithapram Film Director	Sahityavedi
88	18/01/13	Regional seminar	Training Course For Elocution And Debate	Sahityavedi
89	01/02/13	Regional seminar	Film Exhibition “Cross Road”	Sahityavedi

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

<b>Sl. No.</b>	<b>Date</b>	<b>Programme/ Level</b>	<b>Title</b>	<b>Funding Agency</b>
90	06/02/13	Regional seminar	Script For Short Film	Sahityavedi
91	23/07/13	State level seminar	Flute Music Inauguration Of Sahityavedi 2013-2014	Sahityavedi
92	16/07/15	Regional seminar	Gananjali: For Music Director M S Viswanathan	Sahityavedi
93	07/08/15	Regional seminar	Talk With State Award Winners Of Oppana Dance	Sahityavedi
94	18/09/15	State level seminar	Painting - Urakkam - Photo Exhibition	Sahityavedi
95	12/10/15	National seminar	Kathakali Demonstration	Sahityavedi
96	19/03/16	State level seminar	Folk Song Celebration Kalabhavan Mani Orma Natanpattukalute Natuchcha	Sahityavedi
97	19/03/16	State level seminar	Kalaripayatu	Sahityavedi
98	19/08/16	State level seminar	Photography exhibition and seminar on water and environment	Sahityavedi
99	22/09/16	National seminar	Talk on Dalit life in India and film exhibition	Sahityavedi
100	22/10/16	State level workshop	One day workshop on Acting	Sahityavedi
<b>Department of Mathematics</b>				
101	07/02/13	Lecture, College level	Balance in Graphs	Mathematics Association
102	20/09/12	Seminar, Regional Level	“Vedic Mathematics” and “Learning Aids in Mathematics”	Mathematics Association
103	2013-14	Lecture, College level	Some Problems in Number Theory	Mathematics Association
104	18/10/13	Lecture, College level	Quantitative Aptitude	Mathematics Association
105	07/02/14	Lecture, College level	Indian Mathematics	Mathematics Association
106	17/02/14	Lecture, College level	Aptitude & Reasoning	Mathematics Association
107	26/09/14 - 27/09/14	Seminar, National level	New Trends in Analysis	UGC
108	2014-15	Lecture, College level	Astronomy	Mathematics Association
109	29/01/15	Improving Memory Skills	-	Mathematics Club
110	2015-16	Lecture, College level	Learning and Memory	Mathematics Association
111	08/01/16	Lecture, College level	Goal Setting	PTA
112	08/02/16	Interview Session	-	Mathematics Club
<b>Department of Physics</b>				
113	15/02/16	National seminar	Frontiers in Materials Science	PTA
114	04/03/15 - 08/03/15	Resource Sharing Workshop	Quantum mechanics	PTA

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

<b>Sl. No.</b>	<b>Date</b>	<b>Programme/ Level</b>	<b>Title</b>	<b>Funding Agency</b>
115	11/02/15 - 13/02/15	National Workshop	Mathematical Physics	KSCSTE
116	2015	Regional workshop	Tensors	PTA
117	01/10/15	Regional seminar	Astronomy	KSCSTE
118	08/05/13 - 21/05/13	Refresher Course	Statistical Physics	Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, Allahabad
119	29/04/12 - 12/05/12	Refresher Course	Statistical Physics	Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, Allahabad
120	15/07/11 - 17/07/11	Lecture workshop	Statistical Mechanics	Academy of science Bangalore, National Academy of Sciences Allahabad, INSA New Delhi
<b>Department of Political Science</b>				
121	23/01/15- 24/01/15	National Seminar	Human Rights Issues of Unorganized Workers in Malabar Region	UGC
<b>Department of Statistics</b>				
122	16/10/14 - 17/10/14	National Workshop	Data Analysis using Statistical Software	UGC
123	20/03/15	State level seminar	Analysis of Multivariate Data	PTA
124	June 29 (2012- 16)	Regional Seminar	National Statistics Day Celebrations	PTA
125	July 11 (2012- 16)	Regional Seminar	World Population Day Celebrations	PTA
126	21/03/17	Regional Seminar	National Statistics Day Celebrations	PTA
<b>Department of Zoology</b>				
127	01/03/13	Regional Seminar	Conservation Beyond Protected	Zoology Dept.
128	01/01/13	Regional Seminar	Stress management	Zoology Dept.
129	01/02/14	Regional Seminar	Sex determination in Animals	Zoology Dept.
130	Oct, 14	Regional Seminar	Seminar on Crack the competitive examinations	Zoology Dept.



**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

Sl. No.	Date	Programme/ Level	Title	Funding Agency
131	01/12/14	Regional Seminar	Seminar on Omics and an interactive session with students	Zoology Dept.
132	01/02/15	Regional Seminar	Genomics	Zoology Dept.
133	Aug, 15	Regional Seminar	Common Bird monitoring programme	Zoology Dept.
134	01/09/15	Regional Seminar	Importance of Conservation of Animals in Zoo	Zoology Dept.
135	01/02/16	Regional Seminar	Butterfly diversity of Kerala	Zoology Dept.
136	01/03/16	National Seminar	Aqua'16	KSCSTE
137	2014	Regional Exhibition	Science Exhibition	Zoology Dept.
138	2015	Regional Exhibition	Museum Exhibition	Zoology Dept.
139	2016	Regional Exhibition	Science Exhibition	Zoology Dept.

**3.1.7 Provide details of prioritized research areas and the expertise available with the institution.**

Sl. No.	Name of the Faculty	Expertise
<b>Department of Botany</b>		
1	Dr. Manjula C.	Anatomy & Crop Improvement
2	Dr. Prajith P. K.	Desert Ecology
3	Dr. Agretious Thomas K.	Mycology
4	Dr. Subrahmanya Prasad K.	Floristics & Ethnobotany
<b>Department of Chemistry</b>		
5	P. Lukose Jose (Retd)	Pure Chemistry
6	Malathy Rajagopal (Retd)	Inorganic Chemistry
7	Dr. A Muralidharan (Retd)	Organic Chemistry
8	V. Karunakaran	Pure Chemistry
9	P. V. Deepthi	Applied Chemistry
10	N. G. Salini	Pure Chemistry
11	Dr. A. Mohanan	Polymer Chemistry
12	P. Rajeesh	Material Science
13	Dr. K. Mangala	Applied Chemistry
<b>Department of Commerce</b>		
14	Purushothaman Vadakke Veetil	Finance
15	P. V. Jisha	Finance
16	V. Vijayakumar	Marketing
17	A. Sabitha	Finance
<b>Department of Computer Science</b>		
18	A. V. Mithun	Database Management System
<b>Department of Economics</b>		
19	Dr. A. Ashokan	Health Economics, Development Issues, Educational Governance, Social Exclusion, Marginalised Communities

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Expertise</b>
20	P. K. Rethesh	Environmental Economics, Social Exclusion
21	M. Anoopkumar	Public Finance, Agriculture Economics
<b>Department of English</b>		
22	Vidya M.	Afro- American Literature
23	Shayini O.	Narrotology
24	Anjaly Nair	Post Colonialism
25	Namratha Manoharan	Trauma Theory
26	Biju N.C.	Critical Theory & Film Theory
27	Sithara P. M.	Women studies
28	Rukhaya M. K.	American Literature
29	Indhulekha K. R.	English Language Teaching
<b>Department of Hindi</b>		
30	Dr. Jnaneswari C.	Literature Feminism
31	Meenakumari V. M.	Literature education
<b>Department of History</b>		
32	Dr. C. Balan (Retired on 30.06.2012)	Modern India
33	Dr. P. Prabhakaran (Retired on 31.03.2013)	Modern India
34	V. Kuttiyan (Retired on 31.03.2015)	Kerala History
35	Dr. P. T. Sebastian	Modern India
36	K. K. Sudha	Modern India
37	Dr. K. Jayasree Nair	Pre History and Archaeology
38	Dr. K. S. Sureshkumar	Modern India
39	K. Nandakumar	Modern India
40	Rajeevan C. P.	Ancient India
41	Sharafunnisa C. H.	Medieval India
42	Liji	Medieval India
<b>Department of Malayalam</b>		
43	Dr. Ambikasutan Mangad	Concept of time in Malayalam fiction
44	Dr. Sheeja K. P.	Nithya Chaithanya's views on literature
45	Dr. Dhanya Keeperi	History and aesthetics of Kathaprasangam
46	Ms. Shini V.	Linguistic study of Byari language
47	Ms. Dhanya Palakadav	Malayalathile haasya saahithya charitham
<b>Department of Mathematics</b>		
48	Dr. Dinesh T.	Fuzzy Graph
49	Dr. Reeja P.V.	Functional Analysis
50	Sajitha K.M.	Discrete Mathematics
<b>Department of Physics</b>		
51	Mrs. Sreelkha M	Mathematical Physics (Theoretical)
52	Dr. K. Pradeep Kumar	Nuclear Physics (Theoretical)
53	Mrs. K. B. Anitha	Nuclear Physics (Theoretical)
54	Dr. K. M. Udayanandan	Statistical Mechanics (Theoretical)
55	Mr. P. V. Sidharthan	Statistical Mechanics (Theoretical)
56	Dr. R. K. Sathish	Statistical Mechanics (Theoretical)
57	Dr. K. V. Murali	Materials Science (Experimental)
58	Dr. K. Naseema	Materials Science (Experimental)
59	Mrs. Neena Raman	Nuclear Physics (Theoretical)
60	Mr. R. Rameshkumar	Nuclear Physics (Theoretical)
61	Dr. A. J. Ragina	Materials Science (Experimental)
62	Mr. T. V. Sathyan	Materials Science (Experimental)

Sl. No.	Name of the Faculty	Expertise
63	Dr. K. Rajan	Population studies
<b>Department of Statistics</b>		
64	Dr. P. V. Pushpaja	Testing of Hypotheses
65	Dr. T. Vijayan	Inventory Control
66	Dr. K. Radhakrishnan Nair	Longitudinal Data Analysis
<b>Department of Zoology</b>		
67	K. Narayanan	Parasitology
68	Dr. V. P. Syama	Entomology, biochemistry, reproductive biology
69	Dr. Supriya. N.T.	Parasitology, Reproductive, Physiology of Crustaceans
70	Ms. Saraniya Pradeep	Entomology
71	Ms. Anoja K.S.	Entomology Parasitology
72	Ms. Sheeja Balakrishnan	Wild life management, Biodiversity
73	Ms. Praseetha. M.	Biodiversity conservation and management
<b>Department of Political Science</b>		
74	Dr. M. Muralidharan Nambiar	Indian constitution, Indian Government and politics
<b>Department of Physical Education</b>		
75	Dr. E. A. Sreedharan	Athletics, Kabaddi, Kalaripayattu
<b>Department of Sanskrit</b>		
76	Anu A. P.	Marathukali

### 3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

- The college organizes national and state level seminars and invites scholars of eminence to visit the campus and interact with students and teachers. They are invited to deliver Keynote Address and to handle technical sessions in seminars or workshops. Student interactions and invited talks are also arranged by all the departments.
- Various clubs of the college like Sahithyavedi, Science Club, Folklore Club and History Club invites eminent researchers and teachers to interact with students and teachers.
- The PTA, the college Management and the college Union extend all supports including financial support to bring eminent researchers and to organize invited talks.
- The college utilizes the services of alumni pursuing research and working at various national and international institutions for motivating the students in learning, research and placement.
- The college has instituted state level Doctoral Dissertation Award (Prize money Rs. 20,000/-) for the best Ph.D. thesis in Physics for attracting eminent researchers and to disseminate their knowledge.

Details of eminent personalities who visited the institution during last five year are in the profiles of respective departments.

**3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?**

Five of our faculty members utilized Faculty Development Programme for the completion of their research work leading to Ph.D.. They were awarded Ph.D. degree during the assessment period.

Sl. No.	Name	Department	Date of Acquiring Ph.D.
1	Dr. Reeja P. V.	Mathematics	05/10/12
2	Dr. K. Radhakrishnan Nair	Statistics	24/09/13
3	Dr. Manjula C.	Botany	18/07/13
4	Dr. K. Pradeepkumar	Physics	30/07/13
5	Dr. K. V. Murali	Physics	23/10/14

One of our faculty members has joined for research work leading to Ph.D. under FDP of UGC and four of our faculty members have been selected and recommended for awarding the fellowship for doing research leading to Ph.D. under FDP of UGC by the University during 2014-16.

Sl.No.	Name	Department	Status
1	Indulekha K. R.	English	Joined on 20/02/17
2	T. V. Sathyan	Physics	FDP Selection procedure completed
3	P. V. Jisha	Botany	FDP Selection procedure completed
4	K. M. Sajitha	Physics	FDP Selection procedure completed
5	N. G. Salini	Chemistry	FDP Selection procedure completed
6	M. K. Rukhaya	English	FDP Selection procedure completed
7	V. Vijayakumar	Commerce	Application for FDP under process
8	Sharafunnissa C. H.	History	Application for FDP under process

**3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)**

1. Using seminars, workshops, exhibitions and extension activities, awareness is created among students and also the community by the college.
2. Research findings are published in peer reviewed journals including the research journal of the college.
3. Articles on research findings of the faculty of the college are made available to the public through leading newspapers .
4. Publication of the research findings are made available to the students and public through the library.
5. Publication in website and department notice board make the finding to the notice of the public and the students.

6. Faculty of the college participate in seminars, conferences, workshops etc. organized by other institutions as experts/resource persons and communicate our research findings to the peers.
7. The expertise/research findings of our faculty are utilized/transferred to Ph.D./M.Phil./PG student community of the college and outside by guiding their research.
8. The faculty provide consultation to student community outside the institution on the findings of the research works.

### 3.2 Resource Mobilization for Research

#### 3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

12.95% of the total budget is earmarked for research.

Sl. No.	Major heads of expenditure	Financial allocation	Actual utilization	Funding agency	Remarks
1	Books and journals e-journals (N-LIST)	4,00,000	3,00,000	UGC	-
		50,000	50,000	Management	-
2	Equipments	6,00,000	5,98,000	UGC	-
		4,00,000	3,50,000	Management	-
3	Innovation	5,00,000	76,333	UGC	-
4	ICT & Internet	11,00,000	9,22,754	UGC	-
5	ICT & E-learning	15,50,000	15,20,000	Management	-
6	Field work	1,40,000	10,000	UGC	-
7	Seminar/workshop/ conference	9,00,000	7,00,000	UGC	-
		5,00,000	5,00,000	PTA	-
		4,50,000	4,50,000	Management	-
8	Equipment, networking/computational facilities, e-learning class room	72,00,000	N.A.	FIST scheme of Department of Science and Technology, Government of India	Sanctioned in 2017, fund to be received.

#### 3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

- There is a provision to provide seed money to the departments for research oriented seminars/workshops/project works.
- The College Management and PTA extends financial assistance for organizing seminars.
  - The College Management is providing seed money to meet expenses like development and maintenance of infrastructural facilities for research, furniture, other

expenses like electricity and internet charges.

- The College Management has met the expenses to develop the infrastructure required for e-learning.
- A total amount of Rs. 30,000/- per year as recurring expenditure and Rs. 21,50,000/- as non recurring expense is provided by the Management for research.
- 21% of the faculty has availed the benefit of the above amounts.

### **3.2.3 What are the financial provisions made available to support student research projects by students?**

Financial support provided by both PTA and Management. Departments utilize funds from agencies like KSCSTE, Archaeology department, local bodies to support student projects. Out of the General Development Assistance sanctioned by the UGC, the College Planning Board has allocated a good portion for field work of students and for visiting industries and institutions in connection with their projects. By utilizing collaboration and link with premier institutions like CUSAT, CPCRI, Kasargod; Kerala Agriculture University, Padnekat; CUK, Kasargod, and Kannur University, the financial burden for project work is reduced to a large extent.

- The fund provided to the Departments is used for the purchase of essential chemicals, glassware, equipments, computers, books and journals etc.
- Departments support student projects financially.
- Adequate guidance and support including financial support, are offered to the students by the faculty members.
- The students are receiving fellowships from DST, INSPIRE etc. to pursue academic and research knowledge.
- Facilities like laboratory, centralized computer centre, internet and WiFi, e-journal through N-LIST, books etc. are provided free of cost.
- Printing and photocopying are provided at a reduced cost.

### **3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavours and challenges faced in organizing interdisciplinary research.**

College has a Research Forum and a Research Advisory Committee both constituting faculty from different subjects. These provide platforms for discussion on inter-disciplinary research.

- As a result of the discussions and deliberations a plan for a sophisticated centralized research lab was brought up and it is about to be set up in the college with the financial assistance (Rs.1.1 Crore) from DST under FIST programme. This is a joint venture of all the science departments.

- Faculties in various departments provide their expertise in their field to those of other departments pursuing inter-disciplinary research.
- The college publishes a multidisciplinary research journal Academia (ISSN 2395-7050).
- Inter-disciplinary co-operation in the preparation of publication materials.
- Active research in Material Science is being carried out by the Department of Physics with the support of the Department of Chemistry.
- The various departments organized interdisciplinary seminars and workshops.
  - The department of economics organized a UGC Sponsored National Seminar on Economics of Climate Change from 18/09/14 to 24/09/14.
  - The department of Chemistry organized a National Seminar on Solid Waste Management A Sustainable Perspective sponsored by KSCSTE on 10/10/14.
  - The department of Botany conducted various training programmes like Mushroom Cultivation, Trichoderma cultivation & Marketing, Local Mango, Survey, Collection and Conservation, Budding, grafting and Layering and Mushroom Spawn Production in association with College of Agriculture & CPCRI.
- The college brings up an inter-disciplinary platform through the system of open courses introduced as part of the new curriculum.

### **3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?**

The college ensures the optimal use of equipments and research facilities through

- Providing general library, internet, computer lab, lab instruments and equipments to the staff and students free of cost.
- Encouraging the sharing of facilities between departments.
- Establishment of a centralized computer lab.
- Establishment of a centralized research lab (to be implemented under FIST programme of DST).
- Regular service and maintenance of lab equipments to keep them in proper working condition. AMC is signed for some of the equipments.
- Strictly following in-house manual rules by the staff and the students while engaging themselves in laboratory practical sessions.
- Maintenance of log books for most of the equipments in the departments which records the use of such equipments.
- Provision for the use of research equipments by PG/M.Phil. students of other institutions working under the guidance of our faculty members.

**3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If ‘yes’ give details.**

Yes. The college has received a special grant of Rs.1.1 Crore from the Department of Science and Technology. Out of this amount, Rs. 60 Lakhs is for setting up a multi disciplinary centralised research laboratory.

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.**

There is a Research Advisory Committee to co-ordinate the efforts of the faculty in securing research funds mainly from UGC in the form of Minor Research Project and Faculty Development Programme. Details of ongoing and completed research projects and grants received during the last four years are listed below.

Duration Year	Title of the Project	Name of the funding agency	Total Grants		Total Grants Received Till Date
			Sanctioned	Received	
<b>Minor Projects</b>					
2010-12	Synthesis of some ibuprofen analogues carrying 1,2,4-triazole moiety	UGC	1,40,000	1,40,000	1,40,000
2016 onwards	Synthesis and Characterization of sodium alginate/gelatin inter penetrating polymeric network nano composites	UGC	4,90,000	3,92,000	3,92,000
2014-16	Exclusion in Higher Education among Scheduled Tribes : Evidences from Kasargod District of Kerala	UGC	1,00,000	1,00,000	1,00,000
2014-16	Growing Gap between Revenue and Expenditure An Analysis with reference to Urban Local bodies in Kasargod district of Kerala	UGC	1,00,000	1,00,000	1,00,000
2012-13	Commodity price Instability Under Globalization in India	CDS	100000	1,00,000	1,00,000
2014-16	Interstate migration and growth of construction industries an inference from Kasargod district	UGC	55,000	55,000	55,000
2014-16	Enhancing the second Language and Soft Skill Proficiency of High School Students by incorporating an innovative Teaching	UGC	80,000	80,000	80,000



Duration Year	Title of the Project	Name of the funding agency	Total Grants		Total Grants Received Till Date
			Sanctioned	Received	
2014-16	Communicative Competence and Language Proficiency Acquisition Programme	UGC	1,30,000	1,30,000	1,30,000
2010-12	Study of Bose-Einstein condensation in harmonic oscillator potential	UGC	95,000	95,000	95,000
2012-12	Making Under Fuzzy Uncertainty in Inventory Management Problems	UGC	86,000	86,000	86,000
2010-12	Parametric Tests Based on Generalised Lambda Distribution	UGC	1,00,000	1,00,000	1,00,000
2010-12	Studies on the Ecophysiology of a Brachyuran Crab, Sesarma Quadratum Inhabiting the Malabar Area (Kerala)	UGC	75,875	75,875	75,875
2010-12	A Study of Beedi Industry in the Globalized Era: Comparison between Organized and Unorganized Sectors in North Malabar	UGC	1,05,000	67,500	36,521
<b>Major Projects</b>					
-	-	-	-	-	-
<b>Inter disciplinary projects</b>					
-	-	-	-	-	-
<b>Industry sponsored</b>					
-	-	-	-	-	-
<b>Students Research Projects</b>					
-	-	-	-	-	-
<b>Any other (specify)</b>					
2017 onwards	FIST	DST	1,10,00,000	Nil	Nil

\*Three major projects are submitted to KSCSTE for approval.

### 3.3 Research Facilities

#### 3.3.1 What are the research facilities available to the students and research scholars within the campus?

- Our college has a Research Centre in Statistics and has applied for approval of a Research Centre in Physics.
- Well equipped laboratories for science departments
- High speed broadband internet facility under NMEICT project and WiFi in the entire campus.
- Uninterrupted power supply through UPS, inverters and generators

- Necessary software for data analysis
- More than 32,000 books and 81 journals in the well furnished and spacious library
- Well furnished and equipped centralized computer centre
- Separate computer labs for PG departments
- English language lab
- Museums
- Conference halls with multimedia facility.
- Research guides in Statistics, Malayalam, Physics, History, Economics, Chemistry and Political Science.
- Multidisciplinary research publication ‘Academia’ to facilitate publishing of research findings.

**3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?**

Research Committee comes up with recommendations for initiating a full fledged Research Centre. Research Committee has published “The Quest”, an interdisciplinary journal in 2014. In order to upgrade infrastructural facilities at the library and labs, management fund is regularly used. At the Network Resource Centre, high speed internet with Wi-Fi, multimedia facility, INFLIBNET etc. are available.

Information related to books and equipments needed for College Library and the different Departments is collected and forwarded to the Principal by the Research Committee. It is forwarded to the Governing Body. In consultation with experts, the infrastructure and equipment requirements are selected so that the optimum use of UGC and other types of grants is ensured.

**3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If ‘yes’, what are the instruments / facilities created during the last four years.**

Yes. A special grant of Rs.1.1 crore has been sanctioned by the DST under the FIST programme in 2016.

**Instruments that are identified and approved by DST**

Sl. No.	Item Name
1	X-ray diffractometer (Table top) and accessories
2	UV-Vis-NIR Spectrophotometer and accessories
3	Source Measure Unit (SMU) and accessories
4	Electrochemical analyser: Cyclic Voltametry instrumentation (Potentiostat/Galvanostat) and accessories

Sl. No.	Item Name
5	FTIR Spectroscope
6	Spray Pyrolysis equipment and accessories
7	Spin coating unit with UV curing system and accessories
8	Radiation survey meter Gamma Ray Spectrometer system and accessories
9	Water bath and accessories
10	Distilled water unit and accessories
11	Muffle furnace and accessories
12	Hydrothermal furnace and stainless steel autoclave
13	Ultrasonic cleaner
14	Digital pH meter and accessories
15	Laminar Air Flow
16	Auto Clave
17	PCR
18	Electric Conductivity meter
19	SLR Camera
20	Stereo Microscope
21	Refrigerator centrifuge
22	Deep freezer
23	Geldoc
24	Incubator
25	Dry bath
26	Vacuum furnace
27	Magnetic stirrer with and without hot plate
28	Deionizer (water)
29	Vacuum pump
30	Rotary Evaporator
31	Fume hood
32	Bench top centrifuge
33	Micropipette
34	Shakers
35	Hall effect Apparatus
36	Four Probe Method apparatus
37	Hot air drier
38	Cathode ray oscilloscope

### 3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

Research facilities are made available to students and research scholars outside the campus for amplifying the scope of research calibre and opportunities at their disposal.

Sl. No.	Department	Collaborative Institution	Research facilities
1	Botany	KVK	Mushroom cultivation instruments
2	Botany	CPCRI	Tissue culture lab, molecular biology lab
3	Botany	College of Agriculture	Vegetative propagation in plants budding, grafting and layering
4	History	Kerala State Archives Department	Archives
5	Physics	PRNSS College, Mattannur	SILAR, UV-CBD
6	Physics	Department of Physics, S.D. College, Alappuzha	Spin coater
7	Physics	Department of Physics, Central University of Kerala	X-ray Diffractometer, Spray Pyrolysis instrument, Sputtering

Sl. No.	Department	Collaborative Institution	Research facilities
8	Physics	IIT, Mumbai	Instruments covered under the Indian Nano electronics Users Program (INUP)
9	Statistics	Kerala State Rubber Board	Data, technical know-how

The students of PG/M.Phil./Ph.D. of outside institutions are utilizing the research facilities of our college (details mentioned in para 3.1.5).

### **3.3.5 Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?**

- The College Library is rich with printed resources like books and journals which are of immense value for higher education and research. Electronic resources like N-LIST are part of the facilities provided at Network Resource Centre attached to the library.
- Projects, dissertations, theses etc. of various students and faculty are available in the concerned departments.
- Research Advisory Committee at the college level brings out a multidisciplinary research journal.
- There are museums in the History and Zoology departments which are very helpful for the research scholars and students.
- Research Centre in Statistics has computer and internet facility.
- The proposed network and computational facility centre and e-learning class room under the FIST programme out of the grant of Rs. 1.1 Crore sanctioned by the DST.

### **3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.**

Even though the college has collaborative research at various levels with various outside research institutes and colleges, so far this has not resulted in creation of research facilities in the college.

## **3.4 Research Publications and Awards**

### **3.4.1 Highlight the major research achievements of the staff and students in terms of**

**Patents obtained and filed (process and product)**

Nil

**Original research contributing to product improvement**

- Studies on nano structured semi-conducting metal oxides for the fabrication of dye-sensitized solar cells (Dr. K.V. Murali, Department of Physics)
- Synthesis and characterization of smart materials containing rare earth elements in organic solar cells (Rajeesh P., Department of Chemistry)
- Synthesis, characterization and applications of high performance polymers from vegetable oils (N.G. Salini, Department of Chemistry)
- Exploration and elucidation of traditional medicinal plants of erstwhile Thulunadu and surrounding areas of Kerala and Karnataka (Dr. Subrahmanya Prasad K., Department of Botany)

**Research studies or surveys benefiting the community or improving the services**

- Studies on hormonal regulation and storage physiology of growth and reproduction in decapod crustaceans, (Dr. N.T. Supriya, Department of Zoology)
- Anatomical peculiarity study of selected mangroves in the premises of Padnekat (Dr. Prajith P.K., Department of Botany)
- Stochastic Modeling for Water Quality Assessment (Udaya, Research Scholar, Research Centre, Statistics)

**Research inputs contributing to new initiatives and social development**

- “Nari jagaran ke pariprekshya mein Rajani Panikkar aur Chandrakantha ke upanyasom ka visleshanatmak adhyayan” (Dr. C. Jnaneswari, Department of Hindi)

**3.4.2 Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?**

Yes. The college publishes a multidisciplinary research journal Academia.

- The editorial board
  - Chief Editor: Dr. A. Muralidharan
  - Editor: Dr. K. M. Udayanandan,
  - Members: Dr. V. P. Syama, Dr. A. Ashokan, M. Vidya, A. V. Mithun
- Publication policy  
Dissemination of research findings of the faculty of the college among the research community, teachers and students free of cost.
- ISSN 2395-7050

### 3.4.3 Give details of publications by the faculty and students:

#### Publications by Students

- T. P. Suresh and Lisha Damodaran (Research Scholars, Physics)
  1. Gibbs paradox: Mixing and non mixing potentials, T. P. Suresh, Lisha Damodaran and K. M. Udayanandan Physics Education, Volume 32, Number 3, Article Number: 4, Jul - Sep 2016.
- Udaya A. (Research Scholar, Statistics)
  1. “Predictive Modeling for Biological Oxygen Demand in Ground Water”, International Journal for Control Theory and Applications, 9(22), 2016, pp. 57-65.
  2. Presented a paper entitled “Stochastic Modeling for Water Quality Assessment”, ICSTC-2015, International Seminar on Statistics for Twenty First Century-2015 , University of Kerala, December 17-19, 2015, pp - 74
  3. Presented a paper and a poster entitled “Novel method of runner vine production for black pepper in protected structures”, National Seminar on Planting Material Production in Spices, Directorate of Arecanut and Spices Development, Calicut, April 21 - 22, 2016, pp - 111 - 114
- Maya P. T.(M.Sc. Physics)
  1. Maya P. T., Sruthi T., Sathyan T. V., K. V. Murali, T. L. Remadevi, “Nanostructured semiconducting zinc oxide thin films with nanoflower morphology synthesized by two-step chemical method”, National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 106-113
- Neethu K.(M.Sc. Physics)
  1. Neethu K., Athira M., Naseema K., K. V. Murali, T. L. Remadevi, “Characterization of zinc oxide films synthesized by SILAR and CBD using zinc nitrate-zinc acetate baths with triethanolamine”, National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 115-124
- Vidya Lohi (M.Sc. Physics)
  1. Vidya Lohi, Sruthi T., Sathyan T. V., K. V. Murali, T. L. Remadevi, “Fabrication of mesoporous nanosheets of zinc oxide using two-step chemical methods”, National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 125-132

**Publication by Faculty**

Number of publications by faculty (Department-wise)										
Department	Publications				Books		Chapter in Books		Books Edited	
	Regional	National	International	Conference Proceedings	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Botany	3	5	22	3	-	-	-	1	-	-
Chemistry	-	3	19	8	1	-	1	-	-	-
Economics	-	9	-	1	-	1	1	-	2	-
English	1	8	31	2	1	4	-	-	2	-
Hindi	3	1	-	-	1	-	-	-	-	-
History	-	-	-	2	-	-	-	2	-	2
Malayalam	34	57	-	-	18	-	7	6	-	2
Mathematics	-	-	2	-	-	-	-	-	-	1
Physics	5	9	23	23	-	1	8	2	-	-
Political Science	-	1	1	1	-	-	-	-	1	-
Statistics	-	2	9	-	-	-	-	-	-	-
Zoology	-	-	2	10	-	-	1	-	-	-
<b>Total</b>	<b>46</b>	<b>95</b>	<b>109</b>	<b>50</b>	<b>21</b>	<b>6</b>	<b>18</b>	<b>11</b>	<b>5</b>	<b>5</b>

Details are given in Appendix Q.

**3.4.4 Provides details (if any) of**

• **Research awards received by the faculty**

– Nil

• **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**

- Certificate of outstanding contribution in reviewing from the international journal Materials Science and Engineering B (Elsevier)(Impact factor: 2.331) to Dr. K.V. Murali, Department of Physics, May 2013 & May 2015
- Certificate of reviewing from the international journal Materials Science and Engineering B (Elsevier)(Impact factor: 2.331) to Dr. K.V. Murali, Department of Physics, May 2014.
- Certificate of reviewing from the international journal Materials Science In Semiconductor Processing (Elsevier)(Impact factor: 2.264) to Dr. K.V. Murali, Department of Physics, May 2015.
- Certificate of in reviewing from the international journal Materials Research Bulletin (Elsevier)(Impact factor: 2.435) to Dr. K.V. Murali, Department of Physics, May 2015
- Dr. Dinesh T., Department of Mathematics is a reviewer of American Mathematical Society.

- Dr. Reeja P.V., Department of Mathematics is a reviewer of American Mathematical Society.
- Dr. M. Ambikasutan, Department of Malayalam was nominated as Member of Kendra Sahithya Academy by the Central Government in 2016.
- **Incentives given to faculty for receiving state, national and international recognitions for research contributions**
  - Nil

### **3.5 Consultancy**

#### **3.5.1 Give details of the systems and strategies for establishing institute-industry interface?**

A Consultancy Advisory Council (CAC) is constituted with the intention of establishment of institution-industry interface and institution institution interface. CAC consists of senior faculty members with consultancy potential.

##### **Strategies**

- Free consultancy to alumni and research scholars.
- Free consultancy to institutions and industries in Kasargod district.
- Develop institute-institute and institute-industry interface utilizing the research findings and academic expertise of the faculty of the college.

##### **CAC Members**

1. Dr. K. Radhakrishnan Nair (Convenor)
2. Sri V. V. Purushothaman
3. Dr. A. Ashokan
4. Dr. K. V. Murali
5. Smt. N. G. Salini
6. Dr. C. Manjula
7. Dr. N. T. Supriya

#### **3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?**

The policy of the college is fostering and promoting consultancy services through the promotion, development and strengthening of consultancy skills of the faculty. To promote consultancy, the college



- Publishes the research findings of faculty in college website for creating awareness among the industry and other institutions.
- Encourages the faculty to publish their findings in reputed journals.
- Gives financial aid to publish a research journal of our own, namely, Academia.

**3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?**

- A Consultancy Advisory Council (CAC) is constituted for promoting consultancy and for advising faculty in consultancy.
- The institution places no restrictions or conditions on faculty indulging in consultancy services.

**Facilities**

- Good laboratory and library facilities.
- High speed Internet facility.
- A centralized facility for research and consultancy under the FIST programme of the Department of Science and Technology is to be set up.

**3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.**

Sl. No.	Faculty & Dept. involved in consultancy services	Remunerative/ Non remunerative	Areas of Consultancy	Beneficiaries
1	Dr. M. Ambikasuthan, Dept of Malayalam	No	Malayalam Literature	A number of upcoming writers and researchers
2	Dr. A. Ashokan, Dept of Economics	No	Income Tax	Income Tax payees of the surrounding area and the college
3	Dr. A. Ashokan, Dept of Economics	No	Project preparation of Local bodies	Institution/industry/ individuals of the surrounding area
4	Dr. K. Jayasree Nair, Dept of History	No	Identification of archaeological sites through explorations	Academic community, Archaeology Department
5	Lt. Nandakumar K., Dept of History	No	Identification of archaeological sites through explorations	Academic community, Archaeology Department
6	C. P. Rajeevan, Dept of History	No	Identification of archaeological sites through explorations	Academic community, Archaeology Department

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

<b>Sl. No.</b>	<b>Faculty &amp; Dept. involved in consultancy services</b>	<b>Remunerative/ Non remunerative</b>	<b>Areas of Consultancy</b>	<b>Beneficiaries</b>
7	Dr.A.Muralidharan, Dept of Chemistry	No	Water Analysis	People residing adjacent to the college
8	Dr. K. Radhakrishnan Nair	No	Statistical Data Analysis	Researchers of North Kerala
9	Department of Statistics	No	Longitudinal Data Analysis of Number of Eggs Laid by Turtles	Researchers and Neythal, Thaikkadapuram
10	Dr. Subrahmanya Prasad K.	No	Free Plant Taxonomy Consultancy for Identification of Plants	Researchers
11	Salini N.G	No	Detailed soil analysis	Community of the neighbourhood
12	Dr. E.A. Sreedharan	No	Sports and fitness	Physical Education teachers, sportsmen, players and researchers
13	V. Vijayakumar, Department of Commerce	Yes	Marketing and Entrepreneurship	Kannur University Students Union, Department of Botany, NASC Kanhangad, Organizing Committee, Agricultural Expo, College of Agriculture, Padnekat
14	V.V. Purushothaman, Department of Commerce	No	Income/Sales Tax	Income-Service-Sales Tax payees of the surrounding area and the college
15	Dr. V.P. Shyama, Dr. N.T. Supriya, Department of Zoology	No	Entomology, Biochemistry and Reproductive Biology.	Research scholars in the areas
16	Dr. K.M. Udayanandan Department of Physics	No	Statistical Mechanics	Researchers
17	Dr. K.V. Murali Department of Physics	No	Materials Science- Nano Technology- Thin Films, Dye-sensitized solar cells, Python Programming	Researchers
18	Dr. K. Naseema Department of Physics	No	Materials Science Crystal Growth	Researchers
19	Department of Physics	No	Academic consultancy theoretical and practical	Higher secondary school teachers of Kasaragod district

**3.5.5 What is the policy of the institution in sharing the income generated through consultancy ( staff involved: Institution) and its use for institutional development?**

The individual departments raising the income are free to utilize the amount for development purposes of the department.

### **3.6 Extension Activities and Institutional Social Responsibility(ISR)**

#### **3.6.1 How does the institution promote institution-neighbourhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?**

The college is situated in a socially and economically backward district of the state of Kerala. So the college has a policy of promoting extension activities in the neighbourhood community. The students and faculty are encouraged to participate in extra curricular activities in and around the college leading to social orientation.

- Institution-neighbourhood-community network is established through NGO's like Lions Club, Jaycees International, Rotary Club, OISCA International, Kerala Sastra Sahithya Parishad and other social groups like local libraries, arts and sports clubs, environmental and animal protection collectives, palliative care units, local bodies and political parties.
- The main pillars for conducting such activities of the college are:
  - Parent Teacher Association (PTA)
  - NSS
  - NCC
  - Alumni
  - Sahithyavedi
  - Lahari Virudha Vedi
  - Coaching centres to Entry in Service and NET for SC/ST/OBC and minorities
  - Entrepreneurship Development Club
  - Science Club
  - History Club
  - Bio Diversity Club
  - Maths Club
- Efforts are made to attract new students to these clubs through orientation programmes and tutorial meetings.
- Details of the clubs are published in the website and the college calendar.

Details of the activities of the above agencies are shown in Appendices A, C, H, I, J, K,L, V, N, M. Details of the activities of Sahithyavedi is mentioned in the department profile of Malayalam.

#### **3.6.2 What is the Institutional mechanism to track students involvement in various social movements / activities which promote citizenship roles?**

- Special officers are appointed for PTA, NCC and NSS. Faculty members are the co-ordinators of the various clubs of the college.
- Extension programmes are properly planned and executed after their survey and analysis in their catchment areas.

### 3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The institution solicit stakeholder perception on the extension activities through

- Feedbacks collected from various stakeholders like students, parents, alumni through website and from the community.
- PTA and tutorial meetings
- Interactions with the people where the activity is organized and the organizing committee.
- Articles and reports in newspapers, magazines and visual media on the activities
- Awards and recognitions received at state and regional levels.
- All round development of the students making them good citizens.
- Massive participation of the students in extension activities.
- Local support for the programmes.

### 3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

- **Planning and organizing**
  - The college gives due importance for extension activities without affecting academic programmes.
  - Classifies the extension activities into charity, blood donation, infrastructure development, construction of houses, environmental cleanliness, anti drug activities, literacy, health awareness, cancer detection and eradication, gender equality, eradication of superstition, exploration, surveys, national integration, secularism etc.
  - The beneficiary-areas for such activities are found out through surveys and analysis of the nearby places and community.
  - Due consideration is given to requests from the public and local bodies
  - The institution implements its extension and outreach programmes through its various units listed in para 3.6.1.

Sl. No.	Year	Major extension and outreach programmes	Budget (Expenditure)
<b>Sahityavedi</b>			
1	2013	Construction of house to the Endosulfan victim Afsal at Kadinchimoola, Nileswaram	3 Lakhs
2	2013	Construction of house to the Endosulfan victim Ankitha at Maicha, Nileswaram	3 Lakhs
3	2015	Construction of house to the Endosulfan victim Harsha, Cheemeni	6 Lakhs

**CRITERION 3. RESEARCH, CONSULTANCY AND EXTENSION**

<b>Sl. No.</b>	<b>Year</b>	<b>Major extension and outreach programmes</b>	<b>Budget (Expenditure)</b>
4	2015	Construction of house to the Endosulfan victim Haseena, Kasaragod	7 Lakhs
5	2015	Construction of house to the Endosulfan victim Dhanya, Athiyampoor, Kanhangad	7 Lakhs
6	2015	Construction of house to the Endosulfan victim Pavithran, Kayyoor	7 Lakhs
7	2012 onwards	Struggle for banning the use of Endosulfan in Kasaragod district	1 Lakh
8	2012 onwards	Struggle for the rehabilitation of Endosulfan victims	1 Lakh
9	2017	Construction of Buds school at Ambalamthara, Kanhangad	60 Lakhs
<b>NSS</b>			
10	2013-14	Construction of house to a marginalised family resident of Bhoodanam colony	3 Lakhs
11	2014-15	Blood donation camp	5,000
12	2015-16	Cleaning in Kanhangad Municipality	3,500
13	2015-16	Cleaning in Nileshwar Municipality	3,500
14	2015-16	Shramadanam at Old Age home, Kanhirapoil	5,000
15	2016-17	Planted mangroves near riverside, Padnekat	1,500
16	2016-17	Koythulsavam at Koliyadukkam	3,000
<b>NCC</b>			
17	2014-15	Snehasparsam programme for pain and palliative care	6 Lakhs
18	2015-16	Mass Yoga exhibition	3,000
19	2015-16	Blood donation camp	2,500
20	2015-16	Santhwanam 2015 for palliative patients	5,000
<b>Alumni</b>			
22	2013 onwards	Coaching classes for entry-in-service (PSC, UPSC, NET, SET etc)	1,00,000

The extension activities of various clubs and agencies are given as A, L, K. Details of the activities of Sahithyavedi are mentioned in the department profile of Malayalam.

● **Impact**

- Through construction of houses to Endosulfan victims and the poor by Sahithyavedi and NSS, eight families in the district who were living in pitiable and pathetic conditions could be rehabilitated. Further this activity encouraged several NGOs in the district to come forward with such activities. Major part of the manpower required was from the students of the college.
- The construction activities of NSS during their annual 10 day and 7 day camps contributed roads, playgrounds, check dams, watersheds etc. in several villages, which has enhanced the infrastructure development of many backward areas. Through blood donation camps and associated activities, our college has become the first resort for patients seeking blood in this area. It also helped to spread the message that blood donation is a simple and great service by which one can save life of patients.
- Coaching classes for Entry in Service and NET offered to SC/ST/OBC and minorities by NSS has proved a boon to those communities as these marginalised sections are in a deplorable social status.
- As a result of the struggle for banning the use of Endosulfan, the Sahithyavedi could realise the ban of the killer pesticide. The struggle also forced the government to

take steps for rehabilitation, free distribution of medicines and giving financial aid to the victims

The involvement of students in such lofty activities has helped tremendously in boosting their positive attitude and transformation of character resulting in the contribution to good citizenship, service orientation and holistic development of students. The activities also helped to make the students aware of their social responsibilities.

### 3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies

A socially committed atmosphere is a legacy of Nehru Arts and Science College Kanhangad.

- During the orientation programmes for the freshers, students are briefed about the need and importance of the extension activities. A brief account of the great contributions that NCC, NSS and various clubs have done to the society is presented to motivate the students.
- Sanction of Academic weightage is recommended to the participants of NSS and NCC activities.
- Significant contributors in such activities are recognised properly in felicitation programmes conducted exclusively for this.
- Ensures the availability of funds and tools.
- The exemplary involvement of many faculty members in social service motivates the students participation.

### 3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

Sl. No	Survey/research/extension work	Year	Agency
1	Survey on appropriateness of the APL-BPL classification of households	2015-16	Dept. of Statistics
2	Socio-economic surveys	2012-2016	Dept. of Statistics
3	Living conditions of Endosulfan victims	2009 onwards	Sahithyavedi
4	Socio-economic surveys to identify beneficiary of the extension activities	Every year	NSS
5	Survey on socio-economic conditions of students of Nehru Arts and Science College Kanhangad	Every year	All Departments

### **3.6.7 Reflecting on objectives and expected outcomes of the extension activities organised by the institution, comment on how they complement students academic learning experience and specify the values and skills inculcated**

The extension activities taken up by the institution are aimed at providing the students experiences and exposures that enhance the overall development of their personality.

- The surveys conducted by the Dept. of Statistics helps the students to apply the theoretical knowledge they received in real life problems.
- The archaeological surveys, explorations and excavations conducted by the Dept. of History has given the students exposure to first hand study of olden days.
- The surveys and associated activities conducted by NSS has helped the volunteers to empathise with the weaker and underprivileged sections and organise programmes for their development
- The extension activities of NSS, NCC, Sahithyavedi and various other clubs have helped to inculcate leadership qualities, social commitment, environmental awareness, spirit of fraternity, love and affection for the fellow beings

### **3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities**

- In all extension activities the college constitutes an organising committee including the representatives of local bodies, NGOs like Lions Club, Jaycees International, Rotary Club and OISCA International, Kerala Sastra Sahithya Parishad and other social groups like local libraries, arts and sports clubs, environmental and animal protection collectives, palliative care units, local bodies, members of the student organisations and political parties, taking into consideration of the relevance.
- As all the programmes are carried out by this organising committee, the community members get involved and contribute to the implementation of all reach out programmes.
- The college authorities meet the concerned persons before forming the committee to ensure their presence and participation.
- Solicit the direct or indirect support/involvement of MP, MLAs, elected members of the local bodies, leaders of political parties, Kudumbasree members, retired teachers, doctors, engineers, nurses, pain and palliative care members, social workers.

### **3.6.9 Give details on the constructive relationships forged ( if any) with other institutions of the locality for working on various outreach and extension activities**

- The surveys and analysis for identifying the beneficiary area in the neighbourhood-community are conducted either jointly or with support from institutions like schools,

arts & sports clubs, public health centres etc.

- All the annual camps the NSS and some camps of NCC are conducted in schools near the beneficiary areas.
- The Municipal chairperson or the Panchayath president of the relevant area will occupy a key position in the organising committee and there by the involvement of the Municipality/Panchayath is ensured.

### **3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years**

- The State Government awarded the Kerala State Green Campus Award for our college during the year 2013-15 for our exemplary contributions.
- Our NSS unit was adjudged as the best unit by Kannur University in 2014
- Our NSS programme officer, Dr. T. M. Surendranath was adjudged the best NSS programme officer of the State as well as the best NSS programme officer of the University in 2014
- Our college magazines in which burning social issues have been treated seriously bagged best magazines several times during the assessment period

## **3.7 Collaboration**

### **3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives collaborative research, staff exchange, sharing facilities and equipment, research scholarship etc.**

- The college maintains a healthy link and collaboration with regional and national institutions and technical laboratories.
- The faculty members continue to maintain the link they had with the institutions where they had pursued research. This helps the institution to establish collaboration with the institutions.
- Further the departments doing active research work collaborate with institutions for fulfilling their aim and objective. Also, some departments provide service to the Government machineries in their efforts for social development.
- The UG and PG students of some departments of our college carry out their project work in collaboration with reputed research/academic institutions or local bodies.

Some of the examples are

- Department of History has been collaborating with local bodies in compilation of local History of this area.



- Department of Statistics conducted a socio-economic survey on rubber cultivation in collaboration with Central Plantation Crop Research Institute, Kasargod to study different aspects related to rubber cultivation in Kasargod district.
- Department of Physics has formed a link with IIT, Mumbai and a faculty of the Department attended Indian Nano electronics Users Program (INUP) run by the Centre of Excellence in Nano electronics at the Indian Institute of Technology, (IITB) and the Indian Institute of Science, Bangalore (IISc). It is an initiative taken to create and spread the expertise of nano electronics in the country. INUP serves as a platform for the researchers to come together and benefit from complementary expertise.
- Department of Physics has a continuous link with Sophisticated Test Instrumentation Centre (STIC), CUSAT campus, Kochi for technical analysis related with research in Material Science.
- Department of Physics has a link with NIT, Suratkal; CUK, Kasargod; CUSAT, Mangalore University, Kannur University for research in Material Science.

**Collaborative Research Activities**

<b>Sl. No.</b>	<b>Department</b>	<b>Project Title</b>	<b>Collaborative Institution</b>	<b>MoU/ mutually beneficiary agreement/ collaborative arrangement/ link</b>	<b>Year</b>	<b>Benefits accrued</b>
1	Botany	Mushroom Cultivation Training	KVK, CPCRI	Collaborative arrangement	2013-2015	Sharing facilities and equipment
2	Botany	Trichoderma cultivation & Marketing	College of Agriculture	Collaborative arrangement	2014-2015	Collaborative research, sharing facilities and equipment
3	Botany	Local Mango Survey, Collection and Conservation	College of Agriculture	Collaborative arrangement	2014-2015	Collaborative research, sharing facilities and equipment
4	Botany	Budding, grafting and Layering	College of Agriculture	Collaborative arrangement	2012-2016	Collaborative research, sharing facilities and equipment
5	Botany	Mushroom Spawn Production	College of Agriculture	Collaborative arrangement	2015-2016	Collaborative research, sharing facilities and equipment
6	Commerce	Expo Commercio	Botany Department	Collaborative arrangement	2014	Staff exchange
7	Commerce	Awareness programme on currency related issues	Reserve Bank of India	Link	2016-17	Promotion of digitalization

Sl. No.	Department	Project Title	Collaborative Institution	MoU/ mutually beneficiary agreement/ collaborative arrangement/ link	Year	Benefits accrued
8	Commerce	Financial literacy programme	Securities and Exchange Board of India (SEBI)	Link	2016-17	Promotion of financial literacy
9	History	Explorations to find out ancient settlements in Kasargod district	Kerala State Archives Department	Collaborative arrangement	2015-16	Collaborative research, sharing facilities and equipment
10	Physics	Working on Metal Oxide Thin Films	Dept. of Physics, PRNSS College, Mattannur	MoU	2012 onwards	Collaborative research, sharing facilities and equipment
11	Physics	Working on metal oxide thin films, nano particles	Dept. of Physics, S.D.College, Alappuzha	Collaborative arrangement	2014 onwards	Sharing facilities and equipment
12	Physics	Working on Metal Oxide Thin Films, Metal oxide nano particles	Dept. of Physics, Central University of Kerala	MoU	2016 onwards	Collaborative research, sharing facilities and equipment
13	Physics	Indian Nano Electronics Users Program (INUP)	IIT, Mumbai	Link	2015 onwards	Sharing facilities and equipment
14	Statistics	Socio-Economic Conditions of Rubber Cultivators	Kerala State Rubber Board	Collaborative arrangement	2013-15	Sharing facilities

**3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. And how they have contributed to the development of the institution.**

The details of MoUs/collaborative arrangements are mentioned in para 3.7.1 table column 5.

**3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/upgradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. Laboratories/library/new technology/placement services etc.**

Sl. No.	Industry interacted with/ consulted	Contribution to the institution
1	BSNL (NMEICT project)	Optical fibre cabling for high speed Internet

Sl. No.	Industry interacted with/ consulted	Contribution to the institution
2	Cisco (Cochin), Microtek, Ubiquity	Installation of structured Internet cabling and WiFi in the whole campus
3	Penta Systems, Kannur	Energy auditing
4	Agilent Technologies, Bangalore; Toshvin Analytical, Cochin(FIST programme)	Technological information for establishing UV - Vis - NIR Spectrophotometer
5	Holmarc, Cochin (FIST programme)	Technological information for establishing Spray Pyrolysis coating Instrument
6	Sinsil International Pvt. Ltd., Bengaluru (FIST programme)	Technological information for establishing Cyclic Voltametry - Potentiostat
7	Penta Systems, Kannur (FIST programme)	Technological information for E-learning class room and network facility
8	IR Technology Services Pvt.	Technological information on X-ray Diffractometer
9	Excel Business System, Kozhikode	Establishment of 20 smart class rooms
10	Reserve Bank of India	Library books for Commerce
11	National Board of Higher Mathematics	Library books for Mathematics
12	Kerala Career Development Association, Infosys, Wipro, Aegis, Sutherland etc.	Placement services through CCIG
13	Penta Systems, Kannur	Technological information on Solar Inverter and UPS

**3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.**

College has conducted 23 national seminars, 65 state/regional level seminars and several other enrichment programmes. The details of the programmes with names of eminent scientists/participants are given against question number 24 and 32 in the respective department profiles.

**3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements ? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated**

- a) Curriculum development/enrichment : Nil
- b) Internship/On-the-job training : Nil
- c) Summer placement : Nil
- d) Faculty exchange and professional development : Nil
- e) Research : 1 (Research in material science, especially on studies of metal oxidized for Dye Sensitized Solar Cells and thin films super capacitors.)
- f) Consultancy : 1 (With the district organization of HSST in Physics, for content enrichment in theoretical and experimental Physics)
- g) Extension : Nil
- h) Publications : 6 (Publications of Department of Physics in Appendix Q)

- i) Student Placement : CCIG (Details in Appendix D)
- j) Twinning programmes : Nil
- k) Introduction of new courses : Nil
- l) Student exchange : Nil
- m) Any other : Nil

### **3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.**

The institution has set up a Committee for the Development of Linkages and Collaborations (CDLC) for the planning, establishment and implementation of initiatives for linkages and collaborations. The committee gives necessary advice to the departments for taking up initiatives for collaboration in their areas and monitors the process of implementation of the collaboration. Efforts are made by the Committee to transform the informal collaborative arrangements and mutually beneficial agreements into formal MoUs.

### **Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.**

A full fledged centralized research lab is going to be established in the coming year utilizing the fund 1.1 crore received under the FIST scheme of the Department of Science and Technology. This will foster research in the backward region of Kerala State.

## **Criterion 4**

### **Infrastructure and Learning Resources**

#### **4.1 Physical Facilities**

##### **4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?**

Infrastructure facilities in the college are envisioned and equipped for the convenience of the students and the staff, further there is ample scope for constructing buildings in the case of further expansion. There is a synchronization of various departments along with other facilities like parking lot, open air auditoriums, canteen, garden, auditorium, play ground, conference hall and so on ensuring that the nature remains unharmed.

Action plans for future are made and implemented in a need based manner, taking into consideration the recommendations of the stake holders, PTA, Alumni, and local governing bodies; giving emphasis to teaching- learning, along with the infrastructural development within the campus.

The policy of the college consists of

- Maintaining of well furnished class rooms, seminar halls and laboratories.
- Maintaining of well furnished conference halls.
- Enhancement of library facility.
- Increasing the volume of books and journals based on the changes in curriculum.
- Setting up well equipped computer labs.
- Enhancement of ICT facilities.
- Providing high speed Internet and WiFi.
- Creation of water resources and water supply facilities.
- Creation of refreshment facility.
- Setting up of hygienic toilets.
- Providing ladies' and girls' rooms.
- Providing electrical appliances and maintaining uninterrupted power supply.
- Creation of hostel facility.
- Providing sports and games facilities and sports hostel.
- Implementation of biodegradable waste management system and utilization of renewable energy sources.
- Ensuring safety by setting up of surveillance cameras and compound wall.
- Timely maintenance of the existing infrastructure.

- Efforts to obtain grants from UGC, DST and such agencies, funds provided by MPs, MLAs, and Local Area Development schemes etc. for infrastructure development.
- Utilization of funds from PTA and Alumni for infrastructure development.

#### 4.1.2 Detail the facilities available for

- (a) **Curricular and co-curricular activities classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, animal house, specialized facilities and equipment for teaching, learning and research etc.**

##### Infrastructure facilities for academic activities

Sl No.	Facility	Number	Area (square metre)/features
1	Classroom cum tutorial rooms	42	<ul style="list-style-type: none"> <li>● Electrified</li> <li>● 20 smart classrooms</li> <li>● Single seating for PG students</li> <li>● WiFi available</li> </ul>
2	Staff room	15	<ul style="list-style-type: none"> <li>● Well furnished</li> <li>● Desktop and laptop computers</li> <li>● Printer</li> <li>● High speed Internet and WiFi</li> </ul>
3	Laboratory and research labs	13	<ul style="list-style-type: none"> <li>● Well furnished</li> <li>● Instruments to students at 1:1 ratio</li> </ul>
4	Centralized Library	1	<ul style="list-style-type: none"> <li>● More than 31,000 books and 81 journals</li> <li>● E-journals and E-book packages provided by N-List</li> <li>● High speed Internet and WiFi</li> </ul>
5	A/C Conference Hall	1	<ul style="list-style-type: none"> <li>● 150 seating capacity</li> <li>● Multimedia facility</li> <li>● HD TV</li> <li>● High speed Internet and WiFi</li> <li>● Uninterrupted power supply</li> </ul>
6	Conference Hall	1	<ul style="list-style-type: none"> <li>● Well furnished</li> <li>● 300 seating capacity</li> <li>● Multimedia facility</li> <li>● Uninterrupted power supply</li> </ul>
7	Seminar Hall	2	<ul style="list-style-type: none"> <li>● 80 seating capacity each</li> <li>● Multimedia facility</li> </ul>

**CRITERION 4. INFRASTRUCTURE AND LEARNING RESOURCES**

<b>Sl No.</b>	<b>Facility</b>	<b>Number</b>	<b>Area (square metre)/features</b>
8	Centralized computer lab cum conference hall	1	<ul style="list-style-type: none"> <li>• 60 seating capacity</li> <li>• 60 desktop computers</li> <li>• High speed Internet and WiFi</li> <li>• Multimedia facility</li> <li>• Surveillance camera</li> </ul>
9	Museum	2	<ul style="list-style-type: none"> <li>• History: Heritage museum; Freedom fighters gallery; Kerala renaissance photo gallery; Heritage of Kasaragod photo gallery; Photo gallery of historians.</li> <li>• Zoology: Specimens; models; charts.</li> </ul>
10	Research Centre	1	<ul style="list-style-type: none"> <li>• Desktop computer</li> <li>• High speed Internet and WiFi</li> <li>• Laptop for research scholars</li> </ul>
11	Centre for coaching classes for remedial/entry in service/NET (for SC/ST/OBC and Minorities)	1	<ul style="list-style-type: none"> <li>• Desktop and laptop computers</li> <li>• Photostat machine</li> <li>• Spiral binding machine</li> <li>• Laser printer</li> <li>• WiFi facility</li> </ul>
12	Medicinal garden	1	Medicinal plants of the region
13	Reprographic Centre	1	<ul style="list-style-type: none"> <li>• Photostat machine</li> <li>• Desktop computer</li> <li>• High speed Internet</li> </ul>
14	Distance Education Centre (Kannur University)	1	<ul style="list-style-type: none"> <li>• Furnished</li> <li>• WiFi facility</li> </ul>
15	Students' Centre	1	Furnished
16	Office of the College Union	1	Furnished
17	Common room for girl students	1	<ul style="list-style-type: none"> <li>• Well furnished</li> <li>• Pad vending machine</li> <li>• Toilet</li> <li>• Cot and bed</li> </ul>
18	Rest room for ladies	1	<ul style="list-style-type: none"> <li>• Well furnished</li> <li>• Pad vending machine</li> <li>• Attached toilets</li> </ul>
19	Open terrace (library block and zoology block)	2	Bio farming

**CRITERION 4. INFRASTRUCTURE AND LEARNING RESOURCES**

<b>Extra-curricular activities</b>			
<b>Sl No.</b>	<b>Facility</b>	<b>Number</b>	<b>Area (square metre)/features</b>
1	Open auditorium	1	<ul style="list-style-type: none"> <li>● 800 seating capacity</li> <li>● Electronic lectern having public address system</li> <li>● Cordless Mics</li> </ul>
2	Mini auditorium	1	<ul style="list-style-type: none"> <li>● 150 seating capacity</li> <li>● Electronic lectern having public address system</li> <li>● Cordless Mics</li> </ul>
3	NCC room	1	Furnished
4	NSS room	1	Furnished
5	Language lab	1	<ul style="list-style-type: none"> <li>● Desktop computers</li> <li>● High speed Internet and WiFi</li> <li>● Software</li> </ul>
6	Health Centre	1	<ul style="list-style-type: none"> <li>● Tread mill</li> <li>● Weighing machine</li> <li>● Exercise bike</li> </ul>
7	Nehru Study Centre	1	<ul style="list-style-type: none"> <li>● Furnished</li> <li>● Multimedia facility</li> </ul>
8	CCIG	1	<ul style="list-style-type: none"> <li>● Photostat machine</li> <li>● Desktop computer</li> <li>● Printer</li> </ul>
9	Ladies Hostel	1	<ul style="list-style-type: none"> <li>● 30 spacious and well furnished rooms with an intake capacity of 75 persons</li> <li>● WiFi facility</li> </ul>
10	Sports Hostel	1	<ul style="list-style-type: none"> <li>● Well furnished rooms for men with an intake capacity 15 persons</li> </ul>
11	Sports Pavilion	1	Attached to the sports hostel
12	Track and field	1	<ul style="list-style-type: none"> <li>● 200 m track</li> <li>● Starting blocks, Hammer, Disc, Shot put, Javelin, Hurdles, High jump stand, sports equipments for cricket, kho-kho, handball, boxing, hockey, taekwondo</li> </ul>
13	Football ground	1	Standard size
14	Kabaddi court	1	Standard size
15	Volleyball court	1	Standard size
16	Basketball court	1	Standard size
17	Table Tennis	1	Standard size



**CRITERION 4. INFRASTRUCTURE AND LEARNING RESOURCES**

<b>Extra-curricular activities</b>			
<b>Sl No.</b>	<b>Facility</b>	<b>Number</b>	<b>Area (square metre)/features</b>
18	Gymnasium	1	Weight lifting equipments and Medicine balls for different weight category
19	Yoga	2	<ul style="list-style-type: none"> <li>• Open auditorium</li> <li>• Mini auditorium</li> </ul>

<b>Facilities related to administration</b>			
<b>Sl No.</b>	<b>Facility</b>	<b>Number</b>	<b>Area (square metre)/features</b>
1	Principals chamber	1	<ul style="list-style-type: none"> <li>• A/C</li> <li>• Well furnished</li> <li>• High speed internet and WiFi</li> <li>• Uninterrupted Power Supply</li> <li>• Fax</li> </ul>
2	Office	1	<ul style="list-style-type: none"> <li>• Automated</li> <li>• Well furnished</li> <li>• High speed internet and WiFi</li> <li>• Uninterrupted Power Supply</li> </ul>
3	Strong room	1	For keeping examination question papers and answer scripts of public examinations, Kerala Public Service Commission (KPSC) examinations etc.
4	Visitors' room	1	<ul style="list-style-type: none"> <li>• Well furnished</li> <li>• WiFi</li> </ul>
5	College Management Conference Room	1	<ul style="list-style-type: none"> <li>• Well furnished</li> <li>• High speed Internet and WiFi</li> </ul>
6	Stock room	1	Furniture for keeping backfiles

<b>Other facilities</b>			
<b>Sl No.</b>	<b>Facility</b>	<b>Number</b>	<b>Area (square metre)/features</b>
1	College canteen	1	Well furnished
2	Students' Co-operative Store	1	Study materials and stationery items at moderate prices
3	Employees' Credit Co-operative Society	1	Furnished
4	Post office	1	Room let off to the Department of Posts for operating Padnekat Post Office
5	Staff toilet	8	Standard
6	Girls' toilet	33	Standard
7	Boys' toilet	20	Standard
8	Parking	16 slots	Staff and College Management
9	NCC square	1	Open stage for mini programmes

**4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).**

The college takes into consideration the opinion of the stake holders, PTA, Staff, Alumni; after regular deliberations and then put forward the proposal before the College Management. Making use of funds granted by various departments and agencies and also with the help of fund raised by the college, we are able to improve our infrastructural facilities to cope with the growing academic demand. Infrastructural facilities of our institution are being utilized optimally,

- All class rooms and other facilities are utilized during the regular working hours of the college.
- The college offers its facilities to the Universities, Governmental agencies & NGOs for the effective use of its available space and infrastructure, for conducting their programmes without affecting the academic activities.
- The college is a Centre for the Distance Education Programme of Kannur University. Thus our infrastructural facilities are made use of even on Sundays and other holidays.
- The college has been a centre for the examinations of Kerala Public Service Commission, the Academy of Physics Teachers, Indian Association of Physics Teachers, Ramanujan Mathematics Academy, Kerala Statistical Association etc..
- The college facilitates the smooth conduct of general elections at different levels and for various purposes pertaining to the same such as distribution, voting and counting.
- The college is a centre for the Additional Skill Acquisition Programme, an initiative of the Kerala Government.
- Government programmes like Walk With A Scholar, Scholar Support Programme are being successfully conducted in the college.
- The College Hostel provides accommodation to students participating in NCC and NSS camps, participants of seminars/conferences/workshops.
- Food and accommodation were offered to the students of the Central University of Kerala at the initial stages of the University.
- The college hosted Kannur University Arts Fest during the academic year 2014-15.
- The open auditoriums are being utilized for Yoga classes conducted by NCC units of the college and other cultural organizations of the locality.
- The open auditorium is utilized by the college and the surrounding community/organizations for practising wrestling, taekwondo, shuttle badminton and other such games.
- The college often hosts University level sports meet in various disciplines.

- The college canteen as well as the Co-operative store caters to the demands of the staff and students of the Central University of Kerala, the Kerala Agriculture College and the local people.
- Coaching classes for SC/ST/OBC and Minorities for entry in service and NET and remedial classes are regularly undertaken by the college.
- The college serves as a venue for campus recruitment programmes for students in and outside the college.
- The college acts as the centre for the centralized valuation camps of Kannur University.
- The History and Zoology museums are open for public, especially for school students.
- The college provides venue for refresher courses for college teachers.
- The conference halls, laboratories, centralized computer lab and the central library are utilized for consultancy, extension and research activities.
- The lab and research facilities in the college are optimally used by PG and M.Phil. students in and out of the College/University/State for their project work and by research scholars for pursuing research.
- The open auditoriums and conference halls are provided for the meetings and get together programmes of alumni.
- The college promotes and supports the use of infrastructure for programmes on palliative care, cancer awareness, blood donation, etc. organized by clubs, trusts, local bodies and the like.

### **Facilities developed/augmented during the last five years**

During the last five years the institution has undertaken extensive infrastructure development.

- Campus
  - WiFi campus from 2014 onwards
- IQAC
  - Desktop computer
  - Multifunction printer
  - Notebook computer
  - Steel shelf
  - Separate room
- Smart class room
  - 20 class rooms have been upgraded into smart class rooms.
  - 22 wall mounted LCD projectors

- High speed Internet and WiFi
- ICT
  - Online teaching method (Moodle) implemented.
  - High speed Internet facility (10 MBps) under NMEICT project through optical fibre cabling and WiFi.
  - Free of cost usage of Internet and WiFi to teachers and students from 2014 onwards.
  - 20 computers, 7 laptop, 8 notebook
- Language Lab
  - Language Lab equipped with latest software for teaching language skills.
  - High speed Internet and WiFi introduced.
- Power
  - To overcome the frequent power break down and voltage fluctuation in the power supply, the college took initiative to set up a transformer (440V/230V) in the college campus jointly with the Kerala State Electricity Board.
  - Three 3 kVA generators for uninterrupted power supply
  - Three 3 - 3.6 kVA online inverters
  - Two 3 kVA and one 5 kVA online UPS
  - Maintenance work carried out for rupees 5 lakhs.
- Waste management and renewable energy sources
  - Bio-degradable waste management system
  - 2 Biogas plants
  - Solar lamp near the entrance
- Library
  - 3557 books and 30 journals have been added to the existing collection.
  - Physics Department Library realized by raising funds from faculty members and the College Management. Book Bank system intensified by collecting 30 books from the old students.
  - “Debit & Credit-knowledge Centre” Book Collection Scheme implemented by the Commerce department in 2013.
  - One National Daily News Paper and 35 Malayalam Journals, in the area of culture, art, literature, environment and folklore are being subscribed in the Malayalam Department Library.
  - Jyothi memorial library associated with the History Department Library.
  - Jijesh memorial library associated with the Commerce Department Library.
  - Collection of books in the Mathematics Department Library increased by the addition of 30 books received under the Book Complementary Scheme of the National Board of Higher Mathematics.

- Membership in National Digital Library of India.
  - Digital library through DSPACE.
  - Membership in DELNET - Developing Library Network.
  - Laboratory
    - Laboratory equipments amounting to Rs. 17,60,000/- each to all the science laboratories(UG and PG).
  - Sports
    - Wrestling mats (12 nos.) added to the collection.
    - Indoor table tennis
  - Health Centre
    - Tread mill
    - Weighing machine
    - Exercise bike
  - Gymnasium
    - Gymnasium renovated
  - Centralized Computer Centre
    - Expanded the existing computer centre into a conference hall .
    - Increased the seating capacity to 60.
    - Teak wood computer tables (16 nos.)
    - Wall mounted LCD projector.
    - Capacity of uninterruptured power supply hiked by 5kVA .
    - High speed Internet through structured cable under NMEICT project and WiFi.
    - Four powerful surveillance camera for facilitating online examinations.
    - White writing board and ceramic projection board.
    - 4 surveillance cameras.
  - Audio visual aids
    - Four Electronic Lecterns with amplifier and cordless microphone.
    - Two collar microphones.
    - Five mobile amplifier system with collar microphones.
    - E-reader.
    - Twenty one LCD projectors.
  - Furniture
    - Individual seating arrangement for M.Com. Students (50 chairs of teakwood).
-

- Fifteen wooden tables.
  - Compound wall
    - Compound wall for the main campus strengthened and extended to enclose the womens hostel, sports hostel, pavilion, track and field, cricket ground, football ground, basketball court etc. spending Rs. 40 lakhs in the year 2014-15.
  - Surveillance camera
    - 10 surveillance cameras for ensuring safety of staff and students and the valuable assets inside the main campus
    - 2 surveillance cameras for ensuring safety of inmates of hostels.
  - Museum
    - The Zoology department museum was renovated during this period with sliding glass racks, floor-modification, labeling of specimens with updated classification.
  - Student Management System
    - Student Management System (SMS) is implemented to monitor curricular and co-curricular activities.
  - Display board array
    - 24 pin friendly display boards with glass covering and locking facility for departments, NCC, NSS, various clubs and college office.
  - Gardening and afforestation
    - Garden having a mix of natural and constructed elements comprising of flora and fauna, paths, patios, sculptures, drainage facility, artificial ponds etc. and living constructions such as lawns.
    - Afforestation in an area of 1618.74 sq m on the rear side of the campus with the support of Kerala Biodiversity Board
  - Reprographic facilities
    - Spiral Binding machine in Statistics Department for the use of students.
    - Photostat machine
  - Entry in Service Coaching Centre for SC/ST/OBC and Minorities
    - Laptop
    - Spiral binding machine
    - Printer
    - 46 Books
  - Remedial Coaching Centre for SC/ST/OBC and Minorities
    - Laptop
-

- 62 Books
- NET Coaching Centre for SC/ST/OBC and Minorities
  - Laptop
  - 66 Books
- Support for differently abled persons
  - Ramp facility to all blocks
  - Western toilet
  - Assistive computer technology software systems accommodate many types of disabilities in the library and in centralized computer centre (CKNCC).
- Centralised Research laboratory
  - A centralised research laboratory for the science stream is about to be launched utilizing a grant of 60 lakhs out of the 1.1 crore sanctioned in 2016 by the Department of Science and Technology as per the FIST -2016 programme. X-ray diffractometer, UV-Vis-NIR spectrophotometer, FTIR spectrometer, Potentistat etc are some of the main instruments identified and to be installed in the near future.

**Details of amount spent for infrastructure development during the last five years**

<b>Major infrastructure developed (UGC Fund)</b>	<b>Amount</b>
<b>2012-13</b>	
Journals	1,00,000
<b>2013-14</b>	
Generator(2 nos.)	1,69,998
Inverter (online)	64,480
Offline UPS(1 No.)	43,386
Journals	1,00,000
Books	2,00,000
Lab equipments - Physics	50,000
Lab equipments - Chemistry	50,000
Lab equipments - Zoology	50,000
Lab equipments - Plant Science	50,000
<b>2014-15</b>	
Thin client(5 nos.)	94,760
Portable interactive wireless pad	12,227
Wrestling mat(12 nos.)	55,200
Computer notebook(9 nos.)	1,65,600
Multimedia projector(permanently fixed with screen)	7,15,400
Digital Podium (2 nos)	56,400
Laptop(3 nos)	85,550
Lab equipments - Physics	75,000
Lab equipments - Chemistry	75,000
Lab equipments - Zoology	75,000
Lab equipments - Plant Science	75,000

**CRITERION 4. INFRASTRUCTURE AND LEARNING RESOURCES**

<b>Major infrastructure developed (UGC Fund)</b>		<b>Amount</b>
Coaching Classes (UGC Supported)	NET coaching	1,85,000
	Remedial Coaching	1,08,500
	Entry Service	1,08,500
Instrument maintenance (UG)		1,16,130
Instrument maintenance (PG)	Physics	30,699
	Statistics	19,725
	History	8,900
	English	14,700
<b>2015-16</b>		
Online Inverter (2 nos)		1,38,000
Online Ups(2 nos)		1,44,000
Desktop(3 nos)		1,27,520
Digital Podium(2 nos)		56,400
Laptop(4 nos)		1,01,600
Projector with screen		35,770
Multifunction Printer (3nos)		29,550
Digital Camera (2 nos)		63,800
Kindle e-reader (2 nos)		13,800
Voice recorder (1 no)		6,500
Journals		76,331
Internet WiFi (structured cabling using optical fibre in the whole campus)		9,22,754
Generator (1 no)		96,000
<b>2016-17</b>		
Books(UG)		3,08,833
Books(PG)		2,75,224
<b>Total</b>		<b>53,51,237</b>

<b>Major infrastructure developed (Management Fund)</b>		<b>Amount</b>
<b>2012-13</b>		
Sports Hostel		75,000
Sports Equipments		1,03,000
<b>2013-14</b>		
Furniture repair		1,00,000
Electrical repair		1,00,000
Canteen modification		4,00,000
Girls dressing room (Sports)		1,15,000
<b>2014-15</b>		
Desktop(10 nos)		4,28,400
Sports Hostel		2,53,000
Campus beautification		4,00,000
Compound wall		40,00,000
<b>2015-16</b>		
Sports Equipments		2,80,000
<b>2016-17</b>		
<b>Fund for Maintenance to</b>		
Economics		1,50,000
English		1,00,000
Commerce		1,00,000
Malayalam		1,50,000
Zoology		75,000
Botany		75,000
Chemistry		50,000
Hindi		25,000
Statistics		75,000



Major infrastructure developed (Management Fund)	Amount
Mathematics	50,000
Physics	1,00,000
Politics	25,000
Physical Education	2,00,000
Library	25,000
Office	25,000
Hostel	7,00,000
College Beautification	1,00,000
Furniture repair	2,00,000
Electrical repair	2,50,000
Renovation of Computer centre	5,50,000
Sports hostel	1,00,000
Canteen	2,00,000
Plant science lab	1,00,000
Zoology Museum	1,00,000
Camera installations for safety 30 spacious and well furnished rooms that provide accommodation to nearly 80 students measures	2,00,000
<b>Total</b>	<b>99,79,400</b>

#### **4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?**

- Ramps constructed to ground floor classrooms and library.
- Medical facility is available in the vicinity to students completely free of cost during the college hours.
- Wheel Chair is available on call in campus for students with physical disabilities.
- Western toilets are provided.
- Computer systems with assistive computer technology for the use of visually challenged students.
- Faculty members give special attention and make special arrangements, especially in the laboratories, for meeting the requirements of differently abled students.
- Additional time for handling the devices and instruments, is given in the laboratories, if necessary.
- Special rooms and furniture are arranged for writing internal and external examinations with the help of scribes and additional time is allowed.
- The stationery requirements are fulfilled through the students co-operative society.
- Classrooms are shifted to the down floor when required.
- Preference in hostel accommodation.

#### **4.1.5 Give details on the residential facility and various provisions available within them:**

##### **Women's Hostel**

- **Hostel facility- accommodation available**

Two storeyed K.V. Kunhambu Memorial Womens Hostel run by the college is situated in the campus. There are 30 spacious and well furnished rooms that provide accommodation to nearly 75 students. The rooms are well maintained and have fans, light, table, chairs, cot etc. The hostel also has a well equipped study room, visitors room, well maintained kitchen and dining area, generators and inverters for uninterrupted power supply. Land phone is provided for communication with parents. Availability of hygienic food is ensured. Monthly sharing system of expenses is implemented to lighten the financial burden to students. To ensure homely food a full time local cook is made available. Special care is taken to see that the expenses for food is met from the Government grant in the case of SC/ST students.

Chief Warden is the Principal of the college. One Assistant Warden and a Matron take care of the inmates and their day to day affairs.

For ensuring health and hygiene of the inmates,

- Sanitary pad disposable machine is made available for the hygienic disposal of sanitary pads.
- 20 well maintained toilets (including western toilets for physically disabled persons).
- Open area for drying clothes.

- **Recreational facilities, gymnasium, yoga center, etc.**

- Provision to utilize playground and auditoriums in the evenings and weekend holidays.
- Play courts
- Television
- Aquarium
- Carrom board
- Chess
- Area for yoga practice

- **Computer facility including access to internet in hostel**

- Desktop computer
- Internet browsing facility is provided in the hostel under the supervision of the matron.

- **Facilities for medical emergencies**

- First aid kit is provided.

- Allopathy medical facility is available within 300 m which provide treatment free of cost.
- Ayurveda hospital within 200 m provide treatment and medicine free of cost.
- Doctor on call and available within 100 m.
- **Library facility in the hostels**
  - Reading room with newspapers and periodicals
  - General books
- **Internet and WiFi facility**
  - Unlimited broadband Internet and WiFi are available
- **Recreational facility-common room with audio-visual equipments**
  - Television
- **Available residential facility for the staff and occupancy**
  - The accommodation is extended to ladies staff also. At present three staff members stay in the hostel.
- **Constant supply of safe drinking water**
  - Ensures supply of healthy and nutritious food to inmates and continuous water supply is ensured.
  - Hostel has a well of its own.
  - Water filter is fitted with the water tank for purity.
- **Security**
  - A retired military staff has been appointed as a full time watchman of the ladies hostel.
  - The hostel is guarded by strong compound wall and surveillance cameras have been installed to give added security.

### **Sports Hostel**

Funds for the smooth running of the hostel is provided by the Kerala State Sports Council and the college Management. A permanent Basket ball coach is appointed by Kerala Sports council. The hostel is exclusively meant for students engaged in sports events. Unlimited Veg or Non-Veg Food is available in the college canteen for all the inmates at free cost.

Chief Warden is the Principal of the college. One Warden takes care of the inmates and their day to day affairs.

- **Hostel facility accommodation available**
    - The hostel situated adjacent to the football/cricket ground and basketball court, comprises of 3 separate big rooms providing accommodation to 16 male students.
    - There are four bathrooms cum toilet facility available in the hostel.
-

- **Recreational facilities, gymnasium, yoga centre etc.**
  - Indoor games like Chess, wrestling, Teakwondo and outdoor games like shuttle badminton are provided.
  - Multigym facilities like Tread mill, Elliptical machine, weight lifting equipments are also available.
- **Computer facility including access to Internet in hostel**
  - Nil
- **Facilities for medical emergency**
  - First aid kit is provided.
  - Allopathy medical facility is available 200 m which provide treatment free of cost.
  - Ayurveda hospital within 100 m provide treatment and medicine free of cost.
  - Doctor on call and available within 200 m.
- **Library facility**
  - Newspapers and periodicals available
- **Available residential facility for the staff and occupancy.**
  - Hostel warden resides within 2 km and takes care of the needs of the students regularly.
- **Constant supply of safe drinking water**
  - Safe drinking water is available throughout the day.
  - Water purifier is fitted with the water tank for ensuring purity
  - Ensures supply of healthy and nutritious food to inmates and continuous water supply is ensured.
- **Security**
  - The hostel is within the compound wall of the college campus

#### **4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?**

- Free medical service available in the campus to students and staff
  - First aid kit is provided in all the blocks.
  - Allopathy medical facility is available within 300 m which provide treatment free of cost.
  - Ayurveda hospital within 200 m provide treatment and medicine free of cost.
  - Doctor on call and available within 100 m.
  - Free and Compulsory medical check-up is conducted annually.
-

- Insurance policy for all the students
- Purified drinking water form the Well in the college campus is supplied
- Various hygienic food items are available in the College canteen
- Awareness regarding general health and counsellings sessions are conducted by experts
- Electronic BP apparatus and blood group detection kit are available in the college
- Cot is provided in the ladies room for the ill students to take rest
- Vending machine is installed so that students can avail sanitary pads
- Sanitary pad disposable machine is made available for the hygienic disposal of sanitary pads
- Green campus is maintained
- Biodegradable waste management system installed
- Composting for solid waste management
- Blood donors forum formed in the campus under the auspices of NSS
- Practice of blood group detection for every new coming students by organising blood group detection camps.
- Regular health awareness classes
- Health Centre comprising tread mill, exercise cycle, weight lifting items, dumbbells etc

**4.1.7 Give details of the Common Facilities available on the campus spaces for special units like IQAC, Grievance Redressal unit, Womens Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.**

Units	Spaces and facilities available
IQAC	Furnished room, Desktop computer, laptop, Multifunction Printer Unlimited High speed Internet with WiFi
Grievance Redressal unit	Functions with the convener's staff room as the office. Special sittings, if required, are convened in the conference hall.
Women's Cell	Functions with the convener's staff room as the office. Special sittings, if required, are convened in the conference hall.
Counselling and career guidance	Functions with convenor's staff room. Photostat machine, desktop computer, printer
Placement cell	Functions with the convener's staff room as the office. Special sittings, if required, are convened in the conference hall.
Health Centre	Furnished room with Tread mill, Weighing machine, Exercise cycle
Canteen	Well furnished, separate rooms for staff and students, capacity 60 students and 12 staff

Units	Spaces and facilities available
Recreational space for staff and students	Table tennis, shuttle badminton courts, cricket/football ground, kabaddi court. Sports equipments for cricket, kho-kho, handball, boxing, hockey, taekwondo.
Safe drinking water	Water supply from our own well, 5 water tanks, cooler cum filter facility.
Open auditorium	800 seating capacity, electronic lectern having public address system, cordless Mics
Open mini auditorium	200 seating capacity, electronic lectern having public address system, cordless Mics
Anti-Ragging Cell	Functions with the convener's staff room as the office. Special sittings, if required, are convened in the conference hall.
Seminar Halls	3 halls with 80 seating capacity each, multimedia facility
A/C Conference hall	150 seating capacity, multimedia facility, HD TV, high speed Internet and WiFi, uninterrupted power supply
Conference Hall	Furnished, 300 seating capacity, multimedia facility, uninterrupted power supply
Co-operative store	A furnished room for supply of study materials and stationery items at moderate rates.
Employees' Co-operative Society	A furnished room
Distance education center	A furnished room with WiFi
NCC	A furnished room with WiFi
NSS	A furnished room with WiFi
Reprographic Centre	A room with 2 photostat machines, desktop computer, high speed Internet and WiFi
Ladies Room	Well furnished room with pad vending machine and toilet
Girls Room	Well furnished room with pad vending machine, toilet, cot and bed
CK Nair Computer Centre	Centralized computer lab cum conference hall with 60 seating capacity, 60 desktop computers, high speed Internet and WiFi, multimedia facility, surveillance camera
The Nehru Study Centre	A furnished room with multi media facility
Language Lab	Desktop computers with high speed Internet and WiFi, Software
NCC square	Open stage for mini programmes
Post Office	Room let off to the Department of Posts for operating Padnekat Post Office
Parking	16 slots for staff and Management

## 4.2 Library as a Learning Resource

### 4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly

Yes, Library Advisory committee is formed according to Kerala Govt. Rules. Library Advisory Committee consists of Principal as Chairman and Librarian as Member secretary. Five faculty members of different streams and a student representative are the other members of the committee.

Library Advisory Committee took initiatives in the realization of following matters:

- Library Automation
- Dewey Decimal Classification (DDC) of library books

- Sign boards
- E-mail alert about the arrival of new Books/Journals to the staff members
- Collection Development of books, journals, magazines, dailies and e-journals
- Bar code technology to speed up transactions
- Physical Infrastructure Development
- Structured unlimited high speed Internet with WiFi
- Maintenance Activities
- Best Library User award
- Inlibnet subscription
- Maintenance of registers for getting user statistics
- New Arrivals Display
- ‘Lets Read’ scheme (for attracting first year UG and PG students to reading)
- Special attention to differently abled persons
- Suggestion box

#### 4.2.2 Provide details of the following

- Total area of the Library (in Sq. Mts.) : 465 Sq. Mts. (5500 Sq.Ft)
- Total seating capacity : 150
- Working hours

On working days	9 am to 4.30 pm
On holidays	9.30 am to 1 pm (On demand of any department)
Before examination days	8.30 to 5 pm
During examination days	8.30 to 5 pm
During vacation	9 am to 4.30 pm

- Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources): Layout is given in Appendix Z.

Location	Facilities
Ground floor	Reading/writing area, Newspaper and Journal Display, Stack area, Computer terminals, Circulation Section, Staff cabin, New Arrivals Display
First floor	Reference Section, Computer Browsing Terminals, Toilet

**4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.**

The Librarian and the Departments incorporate new coming items to the list of books, journal and e-journals (including the journals from N-LIST) and other reading materials. The final list is prepared based on this list by the departments and the list is submitted to the Library Advisory Committee. On recommendation of the committee, the list is placed before the Purchase Committee. The Purchase Committee takes steps to purchase the items following existing rules. The College Planning Committee ensure that adequate funds are allotted for the purchase of new reading materials. The purchase is effected utilizing the funds received from various agencies like UGC, the College Management, PTA etc.

Library Holdings	2012-13		2013-14		2014-15		2015-16	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text Books	221	39539	847	269511	607	158936	1815	691179
Reference Books	38		96		52		42	
Journals/ Periodicals	64	93598	—	—	17	73366	—	—
e-resoruces	97000+ e-Books 6000+ e-Journals	5000	97000+ e-books 6000+ e-Journals	5000	135000+ ebooks 6000+ e-Journals	5000	3000000+ e-books 6000+ e-Journals	5750
CD & Video	42	free	15	free	17	free	24	free

**4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?**

To ensure maximum access to the library collection, ICT and other tools deployed are

- OPAC: Online Public Access Catalogue using KOHA Software
- Electronic Resource Management package for e-journals: N-LIST by INFLIBNET
- Library Website: Yes.
- In-house/remote access to e-publications: In-house and remote access available through DSPACE, DELNET, NLIST.
- Library automation: Facility for digital check in and check out of books, Automation with open source software KOHA for locating the books, Computer assistive technology for differently abled persons
- Total number of computers for public access: 10 computers
- Total numbers of printers for public access: 1 in the library and 2 in the reprographic centre (can be accessed from the library)
- Internet band width/speed: optical fibre cabling/10Mbps; unlimited high speed Internet with WiFi



- Institutional Repository: Online (Intranet) archive of research outputs of the faculty and students can be accessed through DSPACE in the college website. (Student projects, Ph.D. theses, M.Phil. dissertations, Publications of books by students and teachers, journal and conference publications, Academia, University Question papers, videos-conference/workshops, Photo gallery - History, Museums in Zoology, Botany, History).
- Content management system for e-learning: College uses MOODLE platform for e learning
- Participation in Resource sharing networks/consortia (like Inflibnet): College has INFLIBNET N-LIST Membership since 2010

#### 4.2.5 Provide details on the following items

- Average number of walk-ins : 250/day
- Average number of books issued/returned : 200/day
- Ratio of library books to students enrolled : 1:26
- Average number of books added during last 3 years : 1120
- Average number of login to OPAC : 200/day
- Average number of login to e-resources : 5/day
- Average number of e-resources downloaded/printed : 5/day
- Number of information literacy trainings organized : 7
- Details of “weeding out” of books and other materials : 0.1%\*

\*As per As per Kerala Govt. Rule, 0.5% of total books on circulation can be weeded out yearly

#### 4.2.6 Give details of the specialized services provided by the library

- **Manuscripts:** Manuscript magazines published by Sahityavedi.
- **Reference:** A separate well furnished reference section with ample collection of books, computers with high speed internet and WiFi facility is provided in the first floor.
- **Reprography:** A reprographic centre with 2 Xerox machines (with printing facility) is attached with the library.
- **ILL (Inter Library Loan Service):** Available, DELNET.
- **Information deployment and notification:** Display of new arrivals in a separate rack in the library. Notification of new arrivals to the staff through email and the existing social networking group of the college staff. Information deployment and notification is also done using the separate web page for the library in the college website.

- **Download:** The computers and the unlimited high speed broad band Internet with WiFi facility available in the library provides opportunities for downloading information at free of cost. N-LIST and DELNET provide free access to a good number of journals, the contents of which may be downloaded.
- **Printing:** Printing facility is available in the library and the reprographic centre attached to the library. An email id print@nasc.ac.in is provided to the staff to upload the materials to be printed from the reprographic centre.
- **Reading list/bibliography compilation:** Assistance in this regard to the users is provided in association with the centralized computer centre.
- **In-house/remote access to e-resources:** In-house and remote access available through DSPACE, DELNET, NLIST.
- **User Orientation and awareness:** Library conducts 1 hour orientation and awareness programmes to first year UG and PG students yearly.
- **Assistance in searching Databases:** Librarian and staff provide assistance in searching the books through KOHA, e-Journals and books through N-LIST, DSPACE and DELNET.
- **INFLIBNET/IUC facilities:** College is a member of INFLIBNET NLIST ever since its inception.

#### **4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.**

Various supports provided by the library staff are,

- Book lending service: Regular Issue and Return/Renewal of Books
- Locating the books using KOHA
- Technical assistance in accessing e-Journals and e-Books using the electronic resource management systems like NLIST, DSPACE, DELNET.
- Displaying information about new arrivals.
- Email alert for Teachers about new arrivals
- Providing user friendly orientation and awareness programme
- Special assistance to differently abled students/teachers in accessing relevant materials.
- Special care and assistance to parents/resource persons/visitors

**4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.**

- Special pathway(ramp) to library for the differently abled persons
- Wheel chair
- Special reference section is arranged in the ground floor, on demand
- Computer assistive technology for differently abled persons

**4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)**

Yes.

Online feedbacks are collected from students and staff in each semester in addition to the Suggestion box kept in the library. Further, feedbacks are collected from students while issuing clearance certificate from library which is mandatory.

Suggestions for improvement are addressed weekly. The collected online feedbacks are analyzed using ‘R’ software and the major suggestions/comments are discussed in Library Advisory committee to rectify the shortcoming or to improve the existing facilities.

**4.3 IT Infrastructure**

**4.3.1 Give details on the computing facility available (hardware and software) at the institution.**

- **Number of computers with Configuration (provide actual number with exact configuration of each available system)**

– Desktop Computers

Configuration	Number of Computers
2GB RAM, Intel Core i3 Processor, 500 GB Hard disk	46
2GB RAM, Intel dual core Processor, 500 GB Hard disk	62
4GB RAM, Intel quad core Processor, 500 GB Hard disk	22
4GB RAM, Intel Core i3 Processor, 1 TB GB Hard disk	10
<b>Total</b>	140

– Laptops

Configuration	Number of Computers
2GB RAM, Intel Core i3 Processor, 500 GB Hard disk	4
2GB RAM, Celeron Processor, 500 GB Hard disk	8
2GB RAM, Core 2 Duo Processor, 320 GB Hard disk	9
<b>Total</b>	21

- **Computer-student ratio:** 1:10
- **Stand alone facility:** Out of the 140 computers 135 computers are stand alone
- **LAN facility:** All the computers in the computer centre, labs, library, office, departments, reprographic centre are connected through a high speed LAN with structured cabling using optical fibre cabling/cat 6 cables.
- **WiFi facility:** Whole campus is WiFi enabled. Connection to WiFi networks is authenticated by the Authentication server. WiFi network protected with username, password and MAC id.
- **Licensed software:** Windows:, Winbox for networking, Software in Language Lab
- **Number of nodes/computers with Internet facility:** All computers including 5 thin clients.
- **Any other:** Policy of the institution is to promote open source software. Software like Linux, Latex, Python, R, TORA, Scilab, Koha, Moodle, PostgreSQL, C, C++, Libre Office are used extensively.

### 4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

#### Internet connection

Unlimited high speed broadband internet with WiFi facility is made available to the faculty and students of the college free of cost. Internet access is also made available to off-campus students/ faculty especially to Resource persons/delegates attending the conference.

Provider	Speed	Type	Project
BSNL	10 Mbps	Fibre Broadband	NMEICT - MHRD
BSNL	2 Mbps	Broadband	-

All the departments, laboratories, library, office, computer centres, reprographic centre, research room, hostel etc. have internet connection through structured cabling, in addition to the Wifi facility. Permission is given to students to access internet in their own portable devices free of cost.

### 4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- Plan and strategies of the College Planning Board for deploying IT infrastructure in the campus are to
  - Provide free and high speed internet to all the stakeholders in the campus.
  - Promote ICT based teaching and learning.
  - Promote the use of open source software.
  - Promote the use of e-resources.
  - Promote the use of interactive simulations/virtual labs for better understanding.

- Encourage staff and students to pursue online courses.
  - Create an ICT based knowledge repository.
  - Computerise the library and office.
  - Implement a student management system through intranet.
  - Facilitate the participation of students and staff in webinars.
  - Procure fund from agencies like UGC, DST, RUSA, KSCSTE, College Management, PTA, Alumni for building up IT infrastructure by submitting proposals and projects.
- Plan and strategies of the College Planning Board for upgrading IT infrastructure in the campus are to
    - Upgrade the systems to the optimum speed and capacity as per availability.
    - Upgrade computer systems with up-to-date hardware and software as per requirements.
    - Regularly repair the systems and maintain working condition by utilizing the service of qualified technicians.
    - Sign Annual Maintenance Contracts for IT systems and related equipments.
    - Upgrade network to the optimum capacity as per availability.
    - Entrust the Instruments Maintenance Committee with the duties of monitoring the upgradation and maintenance of all instruments including IT based infrastructure.
    - Try to get a sizeable fund from agencies like UGC, the College Management and PTA for maintenance and upgradation.

**4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)**

Year	Amount for procurement/ deployment	Amount for upgradation/ maintenance	Funding Agency
2012-13	-	1,50,000	Management
2013-14	2,45,000	1,50,000	UGC & Management
2014-15	10,50,000	2,00,000	UGC & Management
2015-16	18,00,000	3,00,000	UGC & Management
2016-17	2,00,000	3,00,000	UGC & Management

**4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?**

The College has a number of ICT resources for the smooth conduct of teaching-learning and research.

- ICT is holistically integrated into the syllabus and curriculum of UG and PG courses.
- 20 class rooms converted into smart rooms by providing permanently fixed LCD projectors and accessories.
- Laptops and notebooks are made available in each department in addition to the desktop computers there.
- Free unlimited high speed Internet facility through structured cabling and WiFi are provided.
- Separate computer laboratories for PG programmes and a centralized well equipped computer centre (C.K. Nair Computer Centre) are provided for free usage of ICT resources.
- The institutions policy for promoting free software like Linux, Python, R, LaTeX, Java etc. encourage ICT based teaching and learning.
- Teachers are given orientation and are encouraged to use interactive simulations like PhET simulations, simulations from VIRTUAL LABS (an initiative of MHRD under the National Mission on Education through ICT), ONLINE LABS (an initiative of Ministry of Electronics and Information Technology).
- Pro-frog dissection software for virtual dissection of animals is installed (which supports the motto of the college in reducing animal extinction).
- E-journals and e-books are regularly procured through N-LIST, DSPACE, DELNET etc. in the library having a reprographic centre attached to it.
- Provides a well maintained institutional repository.
- Free and open source software learning management system Moodle is introduced.
- Students are free to use the facilities associated with the department computer labs, centralized computer lab and all other associated facilities for accessing and analyzing the resources required for assigned projects, seminars and assignments.
- UPS/inverter/generator facilities are provided to ensure uninterrupted power supply.

**4.3.6 Elaborate giving suitable examples on how the learning activities and Technologies deployed (access to on-line teaching-learning resources, independent learning, ICT enabled classrooms / learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.**

- Technology facilitated approaches are used by teachers to encourage students to take responsibility for their own learning.
- Free access to on-line teaching-learning resources is provided through high speed Internet and WiFi, utilising, N-LIST, DSPACE, DELNET, NPTEL, Moodle etc. This has boosted the student-centric approach to learning.

- ICT enabled learning space is provided through smart class rooms fitted with permanently fixed LCD projectors and teachers act only as facilitators.
- A variety of instructional techniques are used by teachers to move students progressively towards stronger understanding and greater independence in learning.
- Students are motivated to use ICT for preparing projects and assignment.
- Student centric learning is promoted by introducing the concepts through interactive simulations. Interactive simulations enable the students to understand the concepts themselves through in-house and remote access to virtual labs.
- ICTs impact on methodology introduced a shift from content centred curricula to competency based curricula. For example, the project work for PG and UG students make them find new areas and problems and enable them to analyze data for presentation thereby developing their competency.
- Our students are made able to display appropriate levels of information literacy through the use of ICT resources.

**4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what are the services availed of?**

The college is interested in becoming a part of the National Knowledge Network which is one of our top priorities.

**4.4 Maintenance of Campus Facilities**

**4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and up keep of the facilities. (substantiate your following statements by providing details of budget allocated during last four years)?**

Item	2012-13	2013-14	2014-15	2015-16	2016-17
Building (college, hostel, canteen)	75,000	5,15,000	43,00,000	-	13,50,000
Furniture	-	1,00,000	-	-	2,00,000
Equipments- Teaching aids Audio visual	-	2,00,000	12,00,000	3,00,000	2,00,000
Computers and allied equipments	-	45,000	6,00,000	2,50,000	-
Others Generator Inverter Electrical works	-	3,50,000	-	2,00,000	2,50,000
Networking	-	-	5,50,000	6,00,000	-
Campus Renovation	-	-	4,00,000	-	-
Sports equipments	1,25,000	-	55,200	2,80,000	-

Item	2012-13	2013-14	2014-15	2015-16	2016-17
Repairs and maintenance of equipments	1,00,000	1,50,000	2,00,000	3,00,000	3,50,000

#### **4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?**

The college has formed Committees and Supervising Bodies for the proper maintenance and upkeep of infrastructure facilities and equipments. Permanent staff members are assigned duties to monitor and supervise maintenance work as and when required. The college has appointed Electricians, Sweepers, Watchman, Gardener, Plumber etc for the maintenance work. Government funds, UGC grants, resources provided by management, contribution from the staff and students, PTA etc. are also utilized for the same. The computer systems, are maintained by the agency that provided the systems, as part of the terms and conditions attached to the purchase. The students are encouraged to take care and protect the machinery and systems with sincerity and a sense of duty.

#### **4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?**

Calibration of instruments and devices is done by experts in the respective fields twice in a semester. Upgrading and updating of software and capacity of systems is done regularly. Repair work is also done as and when required. College has appointed a mechanic for monitoring the performance of a device. Annual maintenance contract (AMC) is given and an instrument maintenance committee monitors all the sensitive equipments.

#### **4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?**

College has installed a transformer worth rupees one lakh. Along with this college has inverters, stabilizers, servo stabilizers, uninterrupted power supply (online and offline UPS), in labs, departments, office and library to overcome the problem of voltage fluctuation.

There are three separate, huge water tanks to meet the water requirements for drinking, watering plant and trees. There are 6 water purifiers at various points in the college.

Optical fibre cabling is introduced to ensure uninterrupted internet service. Two Bio-gas plants are installed for bio degradable waste management. Fire extinguishers are installed for safety of students.



## Criterion 5

### Student Support and Progression

#### 5.1 Student Mentoring and Support

##### 5.1.1 Does the institution publish its updated prospectus or handbook annually? If yes, what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

The College regularly publishes Prospectus which is prepared by a Special Committee constituted for this purpose in consultation with the Admission Committee. It is revised every year and given to prospective students when they collect application form for college admission. The College Prospectus contains details related to the location and address, college profile, academic programme details, mode of admission, fee schedule, list of documents needed at the time of admission, scholarships to students and other important details.

The calendar committee prepares and updates the College Handbook and Calendar. It contains detailed data about the College such as College Profile, The Vision, Mission and Motto of the institution, College Emblem, Members of the Management Council, Succession list of Principals, details of courses in programmes, details of Faculty, Non-Teaching Staff, Rules related to general discipline, details related to Scholarships, Fee schedule, Rules related to library transactions, attendance and leave, details on various Committees, Clubs and Cells functioning in the college including Student Grievance Cell, Anti-ragging Cell, Womens Cell, Centre for Career, Information and Guidance, NCC, NSS etc. College Calendar details activities for every month in tabular form specifying working days, holidays, examinations, dates for paying fees, model forms for availing College/University certificates and other relevant documents.

##### 5.1.2 Specify the type, number and amount of institutional scholarships/freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The following table displays the details of scholarships/financial aids given to students during the last four years.

Sl. No.	Particulars	No. of Beneficiaries	Total amount distributed
1	PTA Cash awards to Rank holders/top scorers	15	1 <sup>st</sup> rank 1,500, 2 <sup>nd</sup> 1,250, 3 <sup>rd</sup> and topper 1,000
2	PTA Scholarships to Economically backward students	85	85,000
3	PTA Cash awards to the best library users	2	4000
4	PTA Cash awards to the best students of the college	3	3,000
5	Management Cash awards to Rank holders	Rank holders	1 <sup>st</sup> rank 1,500, 2 <sup>nd</sup> 1,250, 3 <sup>rd</sup> 1,000
6	Alumni Scholarships to poor students Rs. 1,000 each department per year	10	10,000
7	NASCA-UAE chapter cash awards to top scorers of each UG Class Rs. 1,000	30	30,000

**CRITERION 5. STUDENT SUPPORT AND PROGRESSION**

<b>Sl. No.</b>	<b>Particulars</b>	<b>No. of Beneficiaries</b>	<b>Total amount distributed</b>
8	Government scholarship to academically outstanding and economically backward UG students	10	6,000
9	Prof. K. Madhavan Nair Memorial Endowment to the topper in B.Sc. Zoology	1	600
10	Sri. C. K. Nair Memorial Endowment to the topper in Arts/Science/Commerce UG programme	3	2,250
11	Sri. M. G. Narayanan Memorial Endowment to topper in B.Sc. Physics	1	600
12	Prof. N. M. Karunakaran retirement Endowment to the topper in Hindi in the IV Semester UG programme	1	200
13	Sri. V. Balakrishnan Nair Memorial Cash Award to the topper in B.A History	1	1,000
14	Sri. P. Kunhiraman Endowment to the second best student	1	800
15	Achakattil Kunhan Memorial Cash award to the winner of Statistical Quiz Competition	1	800
16	Prof. C. Girija Endowment to the topper in M.A. History	1	800
17	Adoption of one poor PG student by NASCA-UAE chapter, Rs. 10,000/- per annum	1	10,000
18	Zoology department Cash award to outstanding II, IV and VI Semester Zoology students	3	1,200
19	History department Scholarship to the most poor students of the department	1	2,000
20	Sri. M. P. K. Nair and Smt. P. V. Parvathy Amma Memorial cash award to the top scorer of final year B.Sc. Plant Science course instituted by Prof. P. K. Indira	1	500
21	Prof. Jacob Mathew Endowment to the topper in M.A. English	1	1,500
22	Prof. Saramma Kuruvilla Endowment to the topper in B.Sc. Zoology	1	800
23	Prof. N. Balasubrahmanian Endowment for financially backward student of each first year PG class	5	5,000
24	Prof. P. K. Gopalakrishnan Memorial Endowment Rs. 5,000/- per year to the topper in M.A. History Final Examination instituted in 2015	2	10,000
25	History Alumni endowment Rs. 5,000/- per year to the topper in B.A. History Final Examination instituted in 2015	2	10,000
26	P. Bhaskaran memorial cash award instituted by his daughter Ms. Soumya E.V., to the highest scorer in all accounting papers of B.Com.	1	1,000
27	Alumni scholarship instituted by the first batch of M.Com. Course 2013-15 batch for the top scorers of M.Com.	1 (from 2015 onwards)	1,000
28	Endowment for top scorer in B.Com. In memory of Pramod Kamalakshan instituted by NASCA UAE chapter	1 (from 2017 onwards)	10,000
29	Endowment for topper in chordata and non-chordata paper in Zoology instituted by Dr. V. P. Shyama	1 (from 2017 onwards)	1,000

All the above scholarships are distributed during January-February in an open function convened exclusively for the distribution of awards and endowments.

### 5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

Students get financial assistance from State and Central Governments in two forms fee concession and scholarships. There is a noticeable growth in the number of students who benefited from different financial assistance provided by Governmental and other national agencies. Different committees and co-coordinators are appointed at Nehru Arts and Science College, Kanhangad to ensure that maximum number of students get these benefits. Year wise details are given below.

#### Details of students who have availed fee concession for the last five years

Year	Category								Percentage of students who have availed fee concession
	SC	ST	OEC	OBC	SEBC	KPCR	FC	Total	
2016-17	120	71	237	339	40	152	43	1002	78.16
2015-16	118	68	225	329	38	148	42	968	77.44
2014-15	116	65	213	321	40	151	40	946	76.6
2013-14	118	63	214	317	38	153	41	944	81.38
2012-13	117	62	210	318	41	150	43	941	81.61

#### Number and percentage of students who received financial assistance from various agencies for the last five years

Year	Number of students who have availed scholarship/endowment	Percentage of students who have availed scholarship/endowment	No. of students who have availed fee concession	Percentage of students who have availed fee concession
2016-17	376	29.33	1002	78.16
2015-16	325	26	968	77.44
2014-15	252	20.4	946	76.6
2013-14	231	19.91	944	81.38
2012-13	229	19.86	941	81.61

### 5.1.4 What are the specific support services/facilities available for

- **Students from SC/ST, OBC & economically weaker sections**

Through orientation programmes, information about fee concession and different scholarship schemes are communicated to the students. Provides assistance for online submission of applications for different Scholarships and fee concession given by Government. Every year one of the teachers is assigned with the duty of monitoring the submission of applications.

SC/ST /OBC and minority students are given special coaching class for NET of UGC. They are also given career guidance classes and coaching classes for entry in service to prepare them for competitive examinations at national and state levels. Remedial coaching scheme is also implemented for improving the academic skills and linguistic profi-

ciency of the marginalized. An advisory committee monitors effective implementation of the programme.

As a big relief to the candidates from these marginalised communities, free boarding and accommodation is given to girl students in the college women's hostel, with the support of the state government.

- **Students with physical disabilities**

One seat for each programme is reserved for physically challenged candidates. They are given special care and attention by the tutor. Sufficient number of ramps, western toilets and wheel chair service on call are provided. Blind, dumb, physically handicapped students are offered a scholarship of Rs.5,000/- per annum from the Government.

- **Overseas Students**

Few overseas students seek admission in our college.

- **Students to participate in various competitions/National and International**

All the departments give special training to their students for participation in activities like IT Fests, Management Fests, Quiz contests, Debate Competitions, Presentations, University arts festivals, national youth festivals etc. and various other competitions. Department of Physical Education of the college gives coaching for both men and women in different sports events to the students by appointing special trainers on ad-hoc basis. Trainers have been posted for events like Basketball, Kho-Kho, Kabaddi, Cricket, Handball, Football, Taikondo, Wrestling and Boxing.

The Fine Arts Committee gives training for a large number of fine arts items to prepare the students for University level fine arts competitions. We train the students for items like Drama (Malayalam/Hindi), Mime, Skit, Street Play, Oppana, Thiruvathirakali, Margam Kali, Group Song, Folk Song, Poorakali, Parichamuttu Kali, etc by appointing experts as trainers. As a result we used to bag at least over all second prize in University festivals every year, in which students from more than 100 affiliated colleges of the University compete. The PTA of the college supports liberally towards expenses in connection with appointing trainers for the sport events and fine arts events.

The Malayalam Department and the Sahityavedi give good training to students in literary events. As a result, our students could publish more than a dozen books during the past four years. Many of the students could publish in leading Malayalam periodicals like Mathrubhumi weekly, Kalakaumudi weekly, Samakalika Malayalam weekly, Ethirdisha monthly etc. Our students used to bag awards for best short story, best poem, best college magazine etc. at University and state levels, quite often.

- **Medical assistance to students, Health centre, Health insurance etc.**

The clinic which is in the neighbourhood of our college owned by one of our Management Committee members, gives free treatment to the students and staff of our college. First year students are subjected to free medical check up every year. The NSS, NCC and the Health Club of the college give health awareness classes and yoga classes. The Health Centre and the Multi Gym run by the Department of Physical Education, are open to the interested students. In case, inpatient care is required, the college takes initiative to get the student patient admitted in nearby hospitals and extent financial support, if found necessary.

- **Coaching classes for competitive exams**

Centre for Career Information and Guidance (CCIG) arrange coaching classes for different competitive examinations at the state and national levels. The college also conducts coaching classes for entry in service and NET under the auspices of UGC Coaching Centre. The Alumni association also give coaching classes for competitive examinations of Kerala Public Service Commission and NET of UGC. The departments also give guidance for attending competitive examinations at various levels.

- **Skill Development**

The ASAP provides foundation course on Communicative English, IT and Skill Development Course in selected job areas to selected students. The Soft Skill Club gives classes on soft skill development. The Centre for Career, Information and Guidance gives classes on various skill development that enables the students to compete better in various recruiting examinations and interviews. The Mathematics Club has conducted coaching classes on Quantitative Aptitude and interview sessions. The Entrepreneurship Development Club conducted a couple of programmes that helps to enhance the skills of marketing. The Sahithyavedi conducts programmes profusely that develops the literary skills of the students in various dimensions, in which noted writers all over the state participate. Discussion on writings of the students and reviews on popular writings are conducted regularly during Friday afternoons.

- **Exposures of students to other institution of higher learning/ corporate/business house etc.**

Departments promote students' visits to institutions of higher learning to the maximum extent possible. Many departments carry out their project works in collaboration with institutions of higher learning. The Department of Botany collaborates with Central Plantation Crops Research Institute, Kasargod, Indian Institute of Spices Research, Calicut and Kerala Agriculture University, Padnekat. The Department of Malayalam collaborates with Sarva Shiksha Abhyan, Kerala Sahithya Academy, Kerala Lalitha Academy, Folklore Academy, Samastha Kerala Sahithya Parishad, Spicmacay etc. Department of Physics collaborates with Central University of Kerala, S.D. College, Alappuzha, P.R.N.S.S. college, Mattannur. The students of the Department of Statistics visit Department of Statistics, Kannur University, Kerala Agriculture University, Padnekat and CPCRI, Kasargod The students of Department of Mathematics have attended workshop conducted by Centre for Mathematical Studies, Palai.

- **Publication of student magazines**

The college union publishes magazine including literary works of the students every year. Our college magazines usually get wide attraction and appreciation among the like ones in our state. Our magazines have won state level and University level awards several times.

Approximately an amount of Rs. 1,00,000/- is provided for the publication of the magazine apart from collection from advertisements. In 2012-13, the magazine "Straw" received the Malayala Manorama Chief Editors Trophy for the second best magazine in the State. In 2013-14, the magazine "Why should I be Free, Who Wants Freedom" bagged 2 awards - the State level Basheer award for the best college magazine instituted by the Bankme's club and the award for the second best magazine in Kannur University.

Besides the college magazine, the NSS, the Sahithyavedi etc. also publish magazines. Many of the members of Sahithyavedi have published their own books. Students write in magazines of other agencies as well.

### **5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.**

An Entrepreneurial Development (ED) Club is dynamically functioning under PG Department of Commerce for nurturing of the entrepreneurial skills of the students. Seminars and Exhibitions related to various schemes of State Government, Central Government and other agencies regarding industrial developments are conducted. The concrete result of the efforts of ED club is that it has created a sense of entrepreneurial spirit among the students.

Impacts of certain programmes conducted by the ED club to stimulate the skills in entrepreneurship are

- Students of degree classes made documentary called “viviere” relating to the problem and prospect of women entrepreneurship in Kasaragod District.
- Conducted a “Commerce Reality Show” as a projection of the entrepreneurial skill of the students.
- Mushroom cultivation and marketing in association with the Department of Botany
- Refreshment stall during events like University Fine Arts
- Expo Commercio

### **5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, quiz competitions, debate and discussions, cultural activities etc.**

Nehru Arts and Science College, Kanhangad provides all facilities and support for students to take part in co-curricular and extracurricular activities resulting in an all round development of students.

The college is well known for its achievements in curricular as well as extra curricular activities in the University.

The college trains its students in all group items in which competitions are held at University arts festival. To ensure quality of the presentations at the college level, the students are divided into three competing groups. The winner group is presented with an ever rolling silver trophy. Such concerted efforts has enabled to build a culturally rich student community in the campus. In the case of students who miss classes on account of different extracurricular and co-curricular activities, the departments arrange special classes, change the date of submission of assignments and also arrange re examinations for students in case it becomes necessary.

The Physical Education Department takes special care in the development of talents of students in sports by giving them training in various events with the support of the PTA. Department organizes College Sports Day in which staff and students participate. The policy of the college is to help students to have an all round development so that they become physically

fit, intellectually competent and socially committed citizens. The Department provides sports uniforms and sports materials to the students freely. Dietary requirements are provided only for students staying in Sports Hostel. They are given nutrient rich food which includes meat and fish everyday.

**5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive examinations, give details on the number of students appeared and qualified in various competitive examinations such as UGC-CSIR NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defence, Civil Services, etc.**

There is a mechanism in the college to equip the students to face competitive examinations. The students are given motivation to appear for competitive examinations. The Alumni, the CCIG and various departments give regular or occasional training programmes to build competency among students.

Examinations	Number of Candidates	
	Appeared	Qualified
UGC CSIR NET	60	17
UGC NET	45	20
Entrance examinations of Universities	350	120
JAM	50	5
Banking/NFBC	50	20
Defence Services	150	76

**5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)?**

- The college has a very effective tutorial system in which a tutor is in charge of every class. The tutor looks into the academic, personal, career, psycho-social matters of the students. Counselling and support is given wherever necessary. The tutor plays the role of a mentor, guide and friend so that the students will feel free to give vent to their difficulties.
- Apart from this, there is a counselling centre in the college which arranges counselling classes for the students with the help of professionals in the field. The cell also give attention to cases that require professional help. The college gives individual counselling to the inmates of the womens hostel with the help of the counselling centre.
- Academic Counselling begins with the process of admission when the Principal and the Head of the Department concerned interview the students in the presence of their parents. During the first semester academic orientation is given to students in two levels college level and department level. The college level orientation programme is conducted in a programme convened exclusively for this. The Principal and various department heads address the students in the function. The function usually gives a clear picture to the students about the scope and potential of the programme in which they are studying.
- Counselling on career is considered in college level counselling, the department level counselling and by the CCIG of the college.

**5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If “yes”, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).**

The college has an actively functioning Centre for Career Information and Guidance with one Faculty Member as Co-ordinator. The Centre organizes programmes to help the students in pursuing higher education and also to get rewarding career and employment. With that end in view, the Centre provides information related to competitive examinations, different career options and arrange seminar and workshops to develop soft skills of the students. The Centre provides information related to various streams of higher learning and necessary orientation is also given to appear for entrance examinations to prestigious institutions like Central Universities, IITS etc. During the last five years, 40 students have got placement in well known companies and institutions like TCS, WIPRO, etc. with the help of Career Guidance and Placement Cell.

**5.1.10 Does the institution have a Student Grievance Redressal Cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

The grievances of the students are addressed at three levels - at the Department level headed by the HoD, at the College level headed by the Principal and a senior faculty member as the Convenor of the Cell and at the University level headed by the Pro-Vice Chancellor. Students are free to represent their grievances, if any, to the department level Grievance Redressal Cell. If it is not settled at the department level, the matter is brought before the college level cell. Matters whose settlement could not be reached at the College level, are taken to the University level for final settlement. The College level cell functions with a view of addressing the grievances of students with regard to administration, teaching, learning, evaluation etc. The Cell helps the students in solving interpersonal, academic and institutional problems with a view of protecting the rights of students and maintaining a harmonious, healthy and peaceful academic atmosphere in the college.

The following are some of the instances where grievances of students are redressed with positive outcome. In response to request submitted by the students, the class rooms have been provided with sufficient number of light and fans. Purified drinking water facility has been installed at various outlets of the College.

College Women Cell also functions as the Women Grievance Redressal Cell on the campus.

There is also an Anti-ragging Cell with a senior faculty as its Convenor to look into the problems faced by the freshers, if any.

However, since a harmonious atmosphere is a legacy of the college, there used to be few instances for the interference of the authorities above department level.



**5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?**

A Women Cell is functioning in the college with a senior faculty as the Convener. The Cell is constituted in order to tackle possible issues pertaining to sexual harassment, in case they arise. The students are made aware of the functioning of the Cell during the orientation programmes itself. Every year the college conducts legal awareness class for the students in collaboration with Kerala State Legal Services Authority (KELSA). The NSS, and the Womens Cell also conducts programmes with a view of empowering women students and maintaining a women friendly atmosphere in the college. As a result of such concerted efforts, no such instances of sexual harassment have been reported in the college. In the event of sexual harassment outside the campus, the College will tackle such issues with the help of police and law enforcing agencies.

**5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

An anti ragging committee is functioning very effectively in the college based on the directives and guidelines from the Directorate of Collegiate Education, Government of Kerala. The committee is headed by the Principal and a senior faculty member as the convener. The members include the Sub Inspector of Police of the Kanhangad police station, representative of PTA and students and the Municipal Councillor of the ward in which the college is situated. On the day of admission itself, the committee gives proper information to the students and parents about the functioning of the cell by distributing printed pamphlets to them. Further directions are given during the orientation programme for the freshers. During tutorial sessions, an awareness session about the wrongness as well as serious legal consequences and penal provisions regarding any act of ragging. Senior students are given advices regarding how to treat the new comers. Possibly, on account of the surveillance of the committee, no instance of ragging has been reported. The student organizations also help to maintain a ragging hostile ambiance in the campus.

**5.1.13 Enumerate the welfare schemes made available to students by the institution**

- Majority of the students get scholarships and fee concession from different schemes of state and central governments.
- The institution has instituted 20 awards/endowments for poor students and toppers in various classes. The PTA, alumni, retired staff members as well as some faculty members join hand with the institute in this regard. More than 150 students are benefited from this.
- The alumni has instituted 50 scholarships during the year 2016-17, as a part of their activity in connection with the golden jubilee celebrations of the college.
- The alumni has decided to electrify the houses of students who are studying in un-electrified houses now.
- Students are given food items at subsidised rate in the college canteen

- Students are given books and stationary materials at subsidised rate in the college cooperative store.
- Students are given reprographic facility at subsidised rate.
- Internet browsing is free for the students.
- Many departments give financial support for the poor students studying in their programme. In extreme cases, the departments arrange monthly stipends for the needy students. Some departments also support further study of their students at other institutes of higher learning.
- Students are given free treatment in the near by clinic besides annual routine medical check up
- Service of counsellors are made available to the students at regular intervals
- Pad wending machine has been installed in the girls' room
- Wheelchair facility and ramps have been installed for the use of physically challenged students.

**5.1.14 Does the institution have a registered Alumni Association? If “yes”, what are its activities and major contributions for institutional, academic and infrastructure development?**

There is a very active alumni association in the college and its chapter in Gulf countries that do exemplary services to the students and institute.

- The alumni association of the college gives career training and coaching classes for competitive examinations including SET and NET in the college
- The alumni association has instituted scholarships for the toppers of the colleges.
- This year, being the golden jubilee year of the college, the alumni association has instituted 50 scholarships for the meritorious students of the college.
- The alumni association has decided to electrify the houses of the students that are not electrified at present.
- The alumni association convenes a meeting of alumni and their family get together regularly
- The alumni associations at department level also conduct a lot of welfare programs
- The alumni association supports the activities of the PTA financially.
- The chapter of alumni at UAE, known as NASCA has instituted scholarship for the students and supports them
- The alumni members who are placed at different firms in and out of the country extend their support and guidance to help the students of the college get placements.

- The alumni arranges welfare functions when staff members of the college retire from their service
- The alumni association does a lot of charitable activities
- The alumni association supported the college management financially for the renovation of the college stage
- The alumni association arranges batch wise meetings, program wise meetings and professional wise meetings of alumni
- The alumni association has planted medicinal plants in the college campus

## 5.2 Student Progression

### 5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

The percentage of student progression shows an increase in the number of students opting for higher education or research. It is also observed that they are successful in their attempts. A good portion of the remaining students are going for employment through campus recruitment or otherwise. The college being situated in a socially and economically backward region, students also go for self employment.

Lack of high level research facilities in the region is a hurdle before the PG students. Still a number of students are pursuing research in premier universities and institutes. In the near future, on implementation of the centralized research centre supported and sanctioned by the FIST programme of the Department of Science and Technology, Government of India, we expect to attract a majority of talented students of this region towards research.

#### Student Progression

Year	Higher Education			Employed		Entrepreneurs/ Self Employed
	UG to PG	PG to M.Phil.	PG to Ph.D.	Campus Recruitment	Other than Campus Recruitment	
2012-13	36	-	4	3	12	10
2013-14	39	-	6	5	16	12
2014-15	40	-	6	7	15	11
2015-16	42	-	7	9	17	12

**5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the University)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating University within the city/district.**

Programme	Pass Percentage and University Rank /Position in				
	2012	2013	2014	2015	2016
B.Sc. Polymer Chemistry	78 I	96 I, II, III	84 I, II,III	96 I, II	85 I, II, III
B.Sc. Physics	97	86	92	92	97 III
B.Sc. Plant Science	85 I, II, III	90 I, II, III	81 I, II, III	100 I, II, III	93 I, II, III
B.Sc. Statistics	85 II	85 I, II	81 I, II, III	63 I, III	87 I, II, III
B.Sc. Zoology	79	95	95	93	89
B.Sc. Mathematics	88	81	84 I,II,III	93	68
B.A. History	74	61	82	83	90
B.A. Economics	84	80	81 I,II, III	93	87 I,II,III
B.A. Malayalam	-	-	-	-	-
B.Com.	93 II	92	97 I	100	93
M.Sc. Physics	100 III	91 II	91	91 III	91 I,III
M.Sc. Statistics	88 I, II,III	73 I,II,III	63 I,II,III	91 I, II	91 I,III
M.A. English	86	100	93 II	95	85 I,II,III
M.A. History	79	100	100	53 I	73 III
M.Com.	-	-	-	89 II	90

**Completion rate for the last four years (UG and PG)**

Course	2012	2013	2014	2015	2016
B.Sc. Polymer Chemistry	89.66	82.76	86.21	96.55	89.66
B.Sc. Physics	95.12	95.12	92.68	95.12	95.12
B.Sc. Plant Science	68.97	72.41	72.41	93.1	100
B.Sc. Statistics	93.1	100	96.55	96.55	93.1
B.Sc. Zoology	82.76	65.52	68.97	93.1	89.66
B.Sc. Mathematics	89.66	96.55	93.1	96.55	100
B.A. History	100	100	92	100	88
B.A. Economics	90	96	90	90	90
B.Com	95	100	98.33	100	100
M.Sc. Physics	100	100	100	90.9	100
M.Sc. Statistics	100	100	100	100	100
M.A. English	100	100	100	100	100

Course	2012	2013	2014	2015	2016
M.A. History	100	100	100	100	100
M.Com.	-	-	-	100	100

**Pass percentage comparison with other colleges in the district (2016-17)**

Programme	NAS College Kanhangad	Govt. College Kasaragod	EKNM Govt. College, Elerithattu	GPM Govt. College, Manjeshwar	St. Pius X College, Rajapuram
B.A. Economics	81	72	80	-	-
B.A. History	86	88	-	-	-
B.Com.	91	79	89	88	-
B.Sc. Mathematics	68	89	-	-	-
B.Sc. Physics	97	80	67	-	90
B.Sc. Plant Science	86	-	-	-	-
B.Sc. Polymer Chemistry	81	-	-	-	-
B.Sc. Statistics	72	-	-	85	-
B.Sc. Zoology	81	96	-	-	-

**5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?**

The College has a eight fold mechanism to ensure the promotion of students to higher levels of education and employment.

- During the orientation programme, the heads of the department explains the scope and opportunities of the programme with regard to higher level education as well as job opportunities.
- The CCIG provides proper direction and orientation to students by conducting different programs.
- The Alumni Association arranges classes for NET/SET/Bank coaching, career guidance and placement.
- The College organizes campus recruitment programme and the CCIG functioning at the college guides and directs students to Campus Recruitment programme conducted at other institutions.
- The History Department and History Club, the Commerce department and the Department of Statistics organizes NET coaching classes to the regular students and alumni. The History Club organizes coaching classes for the Kerala Public Service examinations.
- The UGC aided coaching for entry in services and Coaching for NET organizes classes to the students regularly. The College systematically organizes the classes and for that purpose co-coordinators were appointed.
- The programmes of the ASAP help significantly to enhance the employability of selected students
- The soft skill development club arranges classes on effective communication, personality development and how to face an interview.

### 5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

The drop out rate of students of different classes is at a low rate in the college. A few students who get married during their study sometimes discontinue the course without completing their programme. The institution makes all efforts to retain the students by inviting the parents/husbands of such students to the college and giving them proper counselling

The student drop out due to financial crisis never occurs in our college as there is an effective mechanism to identify and give support to such students. Further, a faculty member is in charge of ensuring that the financial support from the government for the poor students reaches all deserving hands. Some departments arrange monthly stipends to avoid drop outs due to financial problems.

The tutorial system functioning at the college effectively deals with the personal dimension of problem related to drop outs. Tutorial meeting regularly conducted on every Wednesday and the tutors are aware of the financial status of each student.

## 5.3 Student Participation and Activities

### 5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

- Sports and games Competitions hosted by the college

- (a) State/Regional Level

Sl. No.	Events organised during 2012-13	Source of funding
1	Kannur University Inter-collegiate Women Kabbadi Tournament	Kannur University
2	District Senior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
3	District Junior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
4	District Junior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
5	District Sub-Junior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
6	District School Junior Boys & Girls Basket Ball Tournament	Basketball Association, Kasaragod Dt.

Sl. No.	Events organised during 2013-14	Source of funding
1	District Senior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
2	District Junior League Men Basket Ball Tournament.	Basketball Association, Kasaragod Dt.
3	District Sub-Junior League Women Basket Ball Tournament	Basketball Association, Kasaragod Dt.
4	Kasargod District School games	Organisers of Kasaragod District School Games
5	Kasargod District Keralolsavam	District Panchayat, Kasaragod Dt.

Sl. No.	Events organised during 2014-15	Source of funding
1	Kannur University Inter-collegiate Women Kabbadi Tournament.	Kannur University
2	Kannur University Inter-collegiate Women Kho-Kho Tournament.	Kannur University
3	District Senior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
4	District School Junior Boys & Girls Handball Ball Tournament	Handball Association, Kasaragod Dt.
5	District School Junior Boys & Girls Basket Ball Tournament	Basketball Association, Kasaragod Dt.

Sl. No.	Events organised during 2015-16	Source of funding
1	Kannur University Inter-collegiate Women Cricket Tournament	Kannur University
2	District School Junior Boys & Girls Handball Ball Tournament	Handball Association, Kasargod Dt.
3	District School Junior Boys & Girls Basketball Ball Tournament	Basketball Association, Kasargod Dt.
4	Kasargod district keralolsavam	District Panchayat, Kasaragod Dt.

● **Achievements**

The students of our college have shown excellent performance in sports and games. The details of the achievements are given as Appendix X.

● **Cultural Activities**

Vineeth P., B.Sc. Physics, participated in the 51st National Youth Festival held at Guwahati, Assam representing the Kerala State and got 1st prize in Classical Music and Mridangam in 2015-16. He was the University Kalaprabhha during 2014-15 and 2015-16.

The college have performed excellently in the University Fine Arts competitions. The college usually possess I or II position in the University level. The details of achievements are given in Appendix Y.

NCC, NSS and various clubs are providing cultural, literary and other extra-curricular activities to the students to build them into good citizens. The details of the activities are given as Appendices K, L. Details of the activities of Sahithyavedi are mentioned in the department profile of Malayalam.

**5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.**

Our students have performed excellently in sports and games, cultural competitions and activities of NCC and NSS. The details are listed in Appendices K, L, Y, X.

### 5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

- The college has a regular system for collecting feedback from the students, alumni and parents.
- From the year 2016 onwards provision for online feedback has been introduced
- The data and information thus collected are constructively analysed and used for better performance of the institution.
- Most of the departments invite their graduates to the college in connection with various programs, in which the invitees exchange the pros and cons of their study in the institution, in their job. Activities for improving the language proficiency and communication skills and preparation for the national level competitive examinations are results of such exchanges.

### 5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

The Sahithyavedi of Malayalam Department, the College Union and the NSS make yeomen services in channelising the creativity of the students in the right direction. The number of awards that we received for our college magazines, the number of prizes that our students won in University festivals and the number of books and articles published by our students stand testimony to such fruitful efforts.

Sl. No.	Year	Name of the College Magazine	Awards and honours received
1	2012-2013	Straw	Malayala Manorama Chief Editors Trophy for the second best magazine in the State. Sreenath P. got the prize for the best poem in college magazines of the State
2	2013-2014	Why Should I be Free.? Who wants Freedom?	Basheer award for the college magazine, Bankmens club organizers, Best 2 nd magazine in Kannur Uty
3	2014-2015	Oli	-
4	2015-2016	Ee Velichathinu Enthu Iruttanu	-

#### • Books Published by Students

Sl. No.	Year	Title of the Book	Author	Publisher
1	2013	Hajar Pushtakam	Ambikasuthan Mangad	Sahithyavedi
2	2015-2016	Yathra Mozhi	Sri. Vineesh	Sahithyavedi
3	2013-02-01	Post Card	Aneesh Vengat	Sahithyavedi
4	2012-2013	Nhatuvela	Sahithyavedi Students	Sahithyavedi
5	2013	Kavitha Kalam Desham	Ambikasuthan Mangad	Sahithyavedi
6	2015 February	Ponharu second Edition	Sahithyavedi Students	Sahithyavedi
7	2015-2016	Ormakal Yathrakal	Murali meengoth	Sahithyavedi



Sl. No.	Year	Title of the Book	Author	Publisher
8	2016	Endosulphan Satyavum Mithyayum	Ambikasutan Mangad	Sahithyavedi

• **Publications of students in leading national magazines**

Sl. No.	Year	Title of the Book	Author	Publisher
1	2013-14	Poem	Sruthi V. R.	Mathrubhumi Weekly
2	2016-17	Short Story	Shilpa V. Chandran	Mathrubhumi Weekly

**5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

The College Union is formed every year through democratic process of election in which all students cast their vote to candidates of their choice. The formal procedure related to the election process is controlled by the Returning Officer appointed by the Principal from the Faculty Members. The Election is conducted according to the rules and regulations framed for this purpose by the Kannur University and also in the light of conditions and recommendations of Lyngdoh Commission constituted by the UGC and approved by Honourable Supreme Court of India. The President of the College Union is the Principal who nominates Faculty members as Staff Advisor, Fine Arts Advisor and Staff Editor with the recommendations of the College Union. The constitution of the College Union comprises Chairman, Vice Chairman, The Secretary, Joint Secretary, Fine Arts Secretary, Two University Union Councillors, General Captain, Student Editor, Association Secretaries for each discipline and separate Class Representative for students belonging to first, second and third year UG programmes and PG Representative.

The College Union plays a dominant role in many activities related to fine arts, sports and other co-curricular activities of the department and the students. The college union organizes fine arts activities, college day, sports day, publishes college magazines and conducts discussions on burning topics. The Union also observes important days like Environment day, Human rights day, world peace day, teachers day etc. The union also organizes cultural festivals like Onam, Christmas celebrations, ifthar parties etc. The college union takes up important demands of the students and brings them before the authorities to find proper solutions. The college union organizes activities that serve as a primer for inculcating values of democracy, humanity, secularism etc. among students and that pave the way for the evolution of leaders for the society.

The college union also takes up a lot charitable activities to help the destitute and the needy by raising funds by contributions from students, staff and the public.

The college union also occasionally plays its role in taking up social issues.

Association Secretaries initiates to chalk out a series of programmes like seminars, exhibitions, inter school and inter collegiate competitions, Management Fests, interface with eminent personalities etc. These programmes provide additional exposure to students. In order to meet the financial expenses of diverse programmes, funds provided by PTA and management etc. are extensively used.

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

- Women's hostel committee
- Director board of Student's Co-operative Society
- FLAIR/WWS/SSP monitoring committee
- Advisory board of college NCC unit
- College Union
- College fine arts committee
- College magazine committee

**5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.**

The college has an active alumni. Through the activities of the alumni, the institution networks and collaborates with the alumni. Detail list of activities are given as Appendix A.

The retired staff members visit the college occasionally for various programmes. Through these programmes, the college interacts with them to make use of their expertise in their respective areas.

**Any other relevant information regarding Student Support and Progression which the college would like to include.**

Nil

## Criterion 6

# Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

Nehru Arts and Science College named after Pandit Jawaharlal Nehru, the architect of modern India, is located in the coastal tract of Kasaragod district. The college was established in the year 1968 by the Nehru Memorial Educational Society, under the presidentship of late C.K Nair. The college aims at serving the educational requirements of the economically and socially backward classes of Kasaragod district. The college has a peaceful atmosphere for teaching learning activities, and for uplifting the youngsters of this area socially and culturally to make them responsible citizens.

#### 6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institutions distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institutions traditions and value orientations, vision for the future, etc.?

- **Vision**
  - ‘Education for all and all round development’
- **Emblem**



The college Emblem consists of four harmoniously arranged sectors with the motto of the college inscribed at the top-‘JNANAM VIJNANA SAHITHAM’ meaning ‘Knowledge leads to wisdom’-and name of the college written along the sides.

The four sectors, when viewed clockwise, depict a rose, an open book, an atom model and the year of establishment of the college. The rose is reminiscent of the late Prime Minister of India, Pundit Jawaharlal Nehru, the persona the institution derives its name from. Further it signifies the fragrance of knowledge the institution aims at spreading far and wide.

The open book representing ‘Arts’ stands for treasure of knowledge accessible to one and all and the atom model represents ‘Science’.

The shape of the emblem resembles a shield. This institution of higher learning is situated in one of the most backward districts. It stands to shield the people of this area from literacy and ignorance.

- **Mission**
  - To keep the facilities of Higher Education open to all, irrespective of caste, religion, sex and economic status and thereby strengthen the knowledge base of the society.

- To help develop the spirit of patriotism and secularism among the students.
- To preserve the ethnic values and cultural heritage of this locality with special accent on its linguistic forms and folklore.
- To conduct programmes and projects highlighting the challenges and trials faced by the society to make the students alert to the threats of communalism, social fragmentation, exploitation and erosion of values.
- To stimulate interaction of the student community and the society through programmes of specific social benefit.

● **Institution's Distinctive Characteristics**

- The college offers higher education to all, irrespective of caste, religion, sex and economic status.
- It gives special accent on the linguistic forms and folklore and thus preserves the ethnic values and cultural heritage of the locality.
- Stimulates the students to participate in social service activities, so that they become instruments of social change.
- Encourage the students to participate in NSS, NCC and to interact with the society to develop the spirit of patriotism.
- The activities of various clubs, Arts programme and Sports promote to boost the hidden talents and creativity of the students.
- The college is affiliated to Kannur University and the Management of the college is a dedicated team which offers good governance and helps the institution to achieve its objectives.

**6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?**

The support offered by the Management in the teaching learning process is commendable. The Management representatives participate in the staff meetings, whenever necessary and involve actively in the discussions and deliberations of the academic, administrative and implementing bodies of the college such as College development Committee, Planning Committee, IQAC etc. The recruitment of teachers and office staff and provision of infrastructural facilities is done by the Manager.

The Principal as the Head of the institution along with the council members provides requisite leadership to the system. The meetings of the IQAC and faculty members is convened on regular basis and the college encourages the faculty members in taking up various projects, participating in seminars and workshops which help in improving the teaching learning process. The various clubs and committees under the leadership of teacher coordinators plan and conduct different activities which strengthen the potential of the students.

All decisions related to policy matters and planning are taken by the College Council consisting the Principal, the Heads of the Departments and elected members. The agenda of the Council meeting will be circulated to the departments in advance so that the views of the department could be formed in the department level meetings and conveyed to the Council through the Head. If the matter under consideration is related to students, representatives of student organizations are also invited for the meeting. The Council and the Management sits together if need be.

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### 6.1.3 What is the involvement of the leadership in ensuring :

- **The policy statements and action plans for fulfilment of the stated mission**

The Principal as the Head of the institution coordinates and monitors the academic and administrative function of the college. During the commencement of each academic year, the Management, the Principal and the staff members sit together to frame the policy and action plan for the year. The Principal with the assistance of various committees, plans and executes all the activities of the college and provides a favourable ambience for the staff and students and directs them towards excellence. The College council discusses the major problems and issues in the college and advises the Principal in the smooth administration of the college. The College has a calendar which focuses on the academic features and courses and also a website to highlight the unique features which lure the students to join various courses in the institution.

- **Formulation of action plans for all operations and incorporation of the same into the instituted strategic plans**

The Principal takes measures for the smooth running of the college and convenes meetings of the Council members and other bodies and ensures that the University bye-laws, the statutes and the regulations are strictly abode by. The Principal makes all correspondence with the Government, UGC, University and different stakeholders. Principal in consultation with different heads of the departments and faculty members take decision in various issues after democratic discussion.

- **Interaction with stakeholders**

The leadership is involved in constant interaction with different stakeholders such as students, faculty, alumni and parents. The college has an effective online feedback system by which it gets how the above stakeholders feel about the facilities in the college. During tutorial meetings and PTA meetings, the college interacts with the students and parents to know their suggestions and problems. The Management office is situated in the college building to facilitate regular interaction with stakeholders. The Management takes keen interest in the plans and policies of the college.

- **Students:**

Students are given orientation at the beginning of the academic year with regard to values, ethics, vision and mission of the institution. The Principal and the tutors interact with the students whenever the need arises. Regular tutorial meetings are conducted according and a healthy relationship is maintained between the teachers and students through the tutorial system. The various forums conduct programmes to create awareness about the values and ethics, vision and mission of the college.

- **Parents**

The PTA is a pillar of support for the functioning of the college. General PTA meetings are held and class PTA meetings are conducted. The parents have ample opportunities to interact and render their valuable suggestions for the overall development of the students of the college.

- **Alumni Association**

The Association by the former students of the college functions as a part of their obligation to their Alma-Mater. Various activities are conducted to help the college

achieve its goals. The Association has been taking up various ventures for the development of the college.

**NASCA:**

The UAE chapter of Nehru Arts and Science College Alumni was formed on 30<sup>th</sup> April 2004 to take up the welfare measures for the benefit of the college and also extend all possible help for the development of the college. They have set up a student Welfare fund by contributing the sum of Rs.25,000/- each year. The amount is utilized for cash awards to academically outstanding students of each degree class and for awarding scholarships to poor students. A one time scholarship of Rs.50,000/- was introduced to the children of the Alumni of this institution.

- **Proper support for policy and planning through need analysis, research inputs and consultations with stakeholders**

The effective feedback system implemented in the college throws light into the needs and demands of the system. The PTA meeting, the tutorial meetings etc. also serve as tools for need analysis. The Management, the Principal and the Council give all support for the framing of the policies.

- **Reinforcing the culture of Excellence**

The Management, The Principal, the staff, the PTA and the Alumni Association honour the rank holders, winners of the University Sports and Arts festivals by presenting mementos and cash awards. The Management and the PTA give good support to the fine arts activities and sports events. As a result, we could achieve remarkably in these areas. We were the overall runner up in Kannur University Arts Festival during the last four years and winner on stage items three times during the last four years. In University level sports competitions also, our achievements were remarkable.

The college takes special care to see that all those who contribute to the prestige of the institution, whether it be academic or non academic, are honoured properly in programmes convened exclusively for this.

- **Champion organizational change**

The teachers participate in workshops, seminars and refresher courses to keep in pace with the changing scenario in educational field as a whole and their subject in particular. The IQAC has been constituted as per UGC guidelines to motivate the staff to adapt to the changes. The Management supports such activities by providing the infrastructural requirements.

#### **6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?**

The plans and policies are implemented by appointing various committees. The committees carry out different activities and submit the report of the work done to the Principal. The Principal and the Council constantly assess the policies and their implementation. The plans and policies are implemented and information is conveyed through meetings, circulars and publications like prospectus and handbook.

### **6.1.5 Give details of the academic leadership provided to the faculty by the top management?**

Detailed discussions are held in the Management Committee meetings on the plans and policies of the institution and on the basis of such discussions, the plans and policies are framed. The decisions are communicated to the staff through the Principal. The Management of the college is in constant touch with the head of the Institution and holds meetings with the faculty and administrative staff, if situation demands.

The Management encourages the faculty members to get involved in decision making process. The Management promotes the faculty to improve their qualification, publish research findings and keep abreast of latest knowledge. The faculty members are treated with dignity and respect.

### **6.1.6 How does the college groom leadership at various levels?**

The students are given ample opportunities to develop leadership traits by giving them various exposures. The democratically elected office bearers of the college union take initiative in conducting various programmes, including preparing the students for the University level arts festival, preparing the students for University and State level sports events and releasing the College Magazine. The union also gives leadership to the students in their efforts to get various demands. Occasionally, the students union takes up issues of people outside the college as well.

These experiences help the students leadership traits to be developed in a full fledged way. Adv. M. Jamal (Member, Central Wakf Board), M. Rajagopalan MLA, K. P. Sathish Chandran (District Secretary, CPI(M) and Ex-MLA), Hakkim Kunnel (District President, Indian National Congress), Basheer (President, Kasaragod District Panchayath), Prof. K. P. Jayarajan (Chairman, Nileshwar Municipality), V. V. Rameshan (Chairman, Kanhangad Municipality), Madhavan Maniyara (President, Cheruvathur Grama Panchayath) etc. are a few examples of student turned leaders.

The College observes important National Festivals, Blood donors day, Environment day etc. NSS, NCC, fine arts programmes, sports programmes, ASAP and various personality development programmes and Life skills and Soft Skills development programmes help the students to acquire leadership qualities.

The exposures and experiences the college offers to its staff members have often proved to help them rise to heights. Various committees and clubs, the NSS, the NCC etc. make exemplary performances by leadership of the faculty members. It wont be an exaggeration if it is claimed that selection of our staff members to various portfolios at University and Government levels are results of these exposures and experiences. The Kannur University Vice Chancellor Dr. M. K. Abdul Khader, Kannur University former Registrar Dr. A. Asokan, Kannur University former Controller of Examinations Prof. K. P. Jayarajan, Kannur University former Director of Distance Education Dr. K. Rajan, former Kerala Higher Education Council member and Kannur University former Academic Staff College Director Dr. C. Balan, former Kerala Public Service Commission member Dr. Ajayakumar Kodoth, former Kannur University Syndicate Members Sri V. Kuttyan and Dr. P. Prabhakaran, former Kanhangad Municipality Chairman Dr. V. Gangadharan etc. are a few examples.

**6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?**

The effective delegation of authority gives autonomy and at the same time improves the effectiveness of curricular and co-curricular transaction. All the Departments are given freedom to plan, organize and implement different department level activities, both academic and non academic. The HoD assigns the syllabi to all the teachers and assigns tutors to all the classes. The HoD monitors the department level teaching learning process and thus contributes to the smooth functioning of the institution.

The clubs and associations also have complete freedom to frame and implement their activities.

**6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.**

At all levels of activities related to the college, the opinion and the interest of the staff members and the students are given proper consideration. In all important policy making discussions, representatives of teachers and students are included. The Management convenes meetings of the staff members every year to take heed of what the staff have to say. The utilization of plan fund is decided in Council meetings in which the Principal, the head of the department and elected members attend. The Principal convenes meetings of the HoD and student representatives while taking decision regarding matters having direct bearing upon students.

**6.2 Strategy Development and Deployment**

**6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?**

Yes. The College has a formally stated quality policy which pronounces that it is committed to pursue high standards of excellence in all its endeavours like teaching-learning, research, extension, sports and games and cultural activities, that leads to the all round development of the students. Creating awareness about the social responsibilities and execution of high ethical standards are salient features of the quality policy of the institution. It is clearly presented through the vision, mission, motto and objectives of the institution.

NASC aims to be a centre of excellence in Higher Education by establishing a system of quality assurance, which would be on a continuous basis, that will transform into competent and socially committed young talents with global vision. The college is always trying to accomplish the requirements of the society through the constant interaction with all the stakeholders. The College Management, Principal, the faculty, PTA and students through their diverse channels and platforms contribute to the revision and refinement of the quality policy of the institution.



### **6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

Yes, the institution has a perspective plan for development. The college governing body in consultation with various stake holders, has prepared a master plan for the development of the institution in accordance with the vision, mission and objectives of the institutions. The plan envisages to

- Develop all Departments offering core programmes to P.G Departments and Research Centers eventually.
- Introduce more programmes for which constant efforts are undertaken; as and when the University and the Government policies are in favour.
- Enhance the quality of teaching by encouraging the faculty members to achieve higher qualifications including research degree and post doctoral research.
- Become a consultancy hub at various levels.
- Become a centre whose graduates are of high social commitment and humane qualities who take leadership in building a very healthy society.
- Become a centre that imparts the most important awareness like environmental protection and plastic free earth.

### **6.2.3 Describe the internal organizational structure and decision making processes.**

The academic and administrative bodies of the institution function at three different levels viz., the management level, the college level and the department level.

- **The Management level: The Management Committee, Chairman - Manager**

The College Management Committee, the apex controlling body, has the last say in all matters relating to the College. The Committee meets occasionally to review the actual state of affairs prevailing in the college. The Principal provides the Management Committee with all the details pertaining to the administrative and academic activities of the institution. All decisions of the Management are executed through the principal.

- **The College level: The College Council, Chairman - Principal**

The College Council, consisting of the principal, heads of various departments and two elected members from the teaching staff, does the job of co-ordination and control at the college level. All issues relating to administrative and academic matters of the college come up for review, discussion and decision at the council meetings. The principal has the prerogative to convene a council meeting at any time.

The office superintendent is responsible for ensuring the proper functioning of the office. All members of the college office are answerable to him and they are sanctioned leave, by the principal only on his recommendations.

- **The Department level: Department Meetings, Chairman - HoD**

The head of the each department is responsible for the smooth functioning of the department. He/she is to check and ensure full compliance of the members of his faculty with the teaching plan and programmes of the department. Department meetings are held frequently to review the progress of various activities and steps are taken, then and there, to rectify lapses, if any.

#### **6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following**

- **Teaching and learning**

- Faculty quality improvement Faculty members are constantly groomed through professional development programmes conducted by the college or other institutions.
- To keep pace with the new developments in various subjects, faculty members are encouraged to attend seminars, workshops, orientation courses, refresher courses etc.
- Faculty members are encouraged to achieve additional qualities by availing FDP of UGC or by doing part time research.
- Encourages improved use of ICT, smart classrooms, well equipped laboratories.
- Using feedback analysis, the faculty members identify their strengths and weaknesses and thereby improve their professional efficiency.
- The Academic Monitoring Committee monitors and ensures the functioning of the departments in accordance with the plan and schedule.
- After valuation of answer scripts of class tests and internal examinations, weaker students are identified and remedial procedures are framed to enhance their level of learning.
- Online data bank of academic performance of students including their attendance is maintained to ensure quality of learning.
- Tutorial classes, mentoring and counselling sessions etc. are provided to help the students improve their quality.
- SC/ST/OBC and minority students are offered special remedial classes.
- The feedback system helps the students to give vent to their problems and demands.
- To supplement the knowledge base received from formal classroom lectures, a large number of extra-curricular and co-curricular activities are organized by various clubs and organizations and departments.

- **Research and development**

- Faculty members are encouraged to pursue doctoral degrees.
- Encourages the faculty members to take up research projects.
- Encourages teachers to organize state/national level seminar/workshop/conference.
- Teachers and students are encouraged to attend national and international seminars/-workshops. Duty leave is granted generously for this.

- Invitation to eminent scientists and speakers for delivering talks.
- Strengthening the existing research centre in Statistics and efforts to introduce new research centres in Physics and History by availing assistance of FIST/Management.
- Encourages the teachers to publish their research findings in national and international journals with good impact factor.
- Bring out research publication of the college.
- Encourages research guides in the college to take up the offer of enlistment in reviewers panel and membership in editorial board of international and national journals.
- Acquire more reference books and journals and also subscribe online resources.
- Infrastructural support like uninterrupted power supply, unlimited high speed internet and WiFi, unrestricted access to labs, subscription of standard research journals, Infnlibnet, maintenance of library of state of the art quality.

● **Community engagement**

- Promotion of social awareness among the students by giving them opportunities to get involved in various social issues. Constructing houses for the endosulfan victims, distributing medicines to poor patients, blood donation to patients, activities in collaboration with palliative care centre, construction of roads, playgrounds etc. for the community are a few examples.
- Lab to land programmes
- Adoption of Madikkai village by NSS units
- Sharing the college grounds for the use of general public and various agencies conducting sports events.
- Letting the college facilities for conduction of general election to the State Assembly and Parliament.
- Conducting cancer awareness camp in collaboration with Dr. A. J. Regina Memorial Charitable Trust.
- Conducting Yoga camps for the public in the college.
- Coaching classes for Entry in Service for the public.
- Enrichment programmes for school teachers.
- Exhibitions for school children.

● **Human resource planning and development**

- Decentralized allocation of power and responsibility ensuring provision of need based training, development of user friendly and efficient work culture.
- Encouraging faculty members to attend various staff development programmes.
- Use of office automation programmes and computer training to office staff.
- Programmes to improve employability potential of students.

- **Industry interaction**

- Encourages students to participate in job fairs and seminars conducted by different agencies.
- Students visit industries as part of their project works.

### **6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?**

There are several mechanisms to collect feedbacks from all the stake holders, about the performance of the teachers, about the infrastructure in the college, about various facilities available in the college and any grievance of the students. The Head of the institution ensures the availability of adequate information to review the activities by executing the following measures and strategies.

- Student feedback taken at the end of every semester by the IQAC
- Parents feedback
- Alumni feedback
- Student interaction
- Tutorial sessions
- Faculty meetings
- PTA meetings
- Reports from various curricular and co-curricular committees and departments
- Reports of tutors
- AQAR
- Suggestion box
- Complaints, if any, received by the grievance redressal cells

### **6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?**

The College Management encourages and promotes total academic freedom to the Principal and staff.

The Faculty Members are given encouragement and support to ensure staff involvement for improving the effectiveness in institutional process through a variety of measures and activities conducted at different levels.

The policies and decisions are made participatory through

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- Regular Department meetings
- Regular staff meetings
- Meetings involving authorities of the college
- Representation in admission/selection committees
- Appointment of faculty members as co-ordinators and members to various Academic Committees, Clubs and Forums

Notable achievements of staff are properly recognized by conducting felicitation functions. The College Management extends financial and moral support to or joins hand, if found necessary, with the activities of various units in the college.

**6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.**

Sl. No.	Resolution	Status of implementation
1	To construct a PG block	About to start the construction
2	To renovate the computer centre	Completed
3	Change the campus in to a WiFi campus	Completed
4	To renovate botanical garden	Completed
5	To renovate Statistics computer lab	Completed
6	To renovate PG seminar hall	Completed

**6.2.8 Does the affiliating University make a provision for according the status of autonomy to an affiliated institution? If ‘yes’, what are the efforts made by the institution in obtaining autonomy?**

Yes. The Kannur University provides for according autonomous status to affiliated colleges. However, the college has not applied for the status. The college is closely watching the trends and challenges of the other autonomous institutions in the state to make a judicious decision in this regard. As important policy matters are decided on participatory basis, the opinion of stake holders like students, alumni, parents and the public are being collected and analysed

**6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?**

The grievance redressal cell functions at five forums The Students Grievance Redressal Cell, The Employees Grievance Redressal Cell, the Womens Cell, the Sports Students Complaint Committee, the Internal Complaint Committee and the Anti ragging Cell. All the units function actively to address grievances, if any. The contact numbers of the Convenors of all the units are available in the College Calendar and the students are briefed about these facilities during the orientation programme for freshers.

In case, any of our students has complaint regarding the evaluation, he/she can appeal to the department grievance redressal cell under the Chairmanship of the Head of the department. If

the student is not satisfied with the decision of the cell, he can approach the college grievance redressal cell, which functions under the chairmanship of the Principal. If the matter is not disposed to the satisfaction of the complaintee, he has the option to take up the matter to the University grievance redressal cell for getting justice. The functioning of grievance redressal cell is made known to the students through our College calendar.

The Women's Cell, headed by a lady teaching staff, looks into the grievances of the girl students and lady staff.

The phone number of the Co-ordinator of the Anti Ragging Cell is printed in the College Handbook. Fresh students are given proper orientation at the beginning of every academic year during the first semester.

As for the staff, their grievances are properly addressed by the Employees' Grievance Redressal Cell. The University rules and government procedures provide sufficient and legally valid venues to address grievances as and when it arises in a very effective manner.

**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

There has not been instances of court cases filed by and against the institution.

**6.2.11 Does the Institution have a mechanism for analysing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?**

Yes, the college has a well planned mechanism to take and analyse student feedback through variety of ways. The IQAC used to collect the students feedback at the end of each semester. Since the academic year 2016-17, online feedback system has been introduced for the students, alumni and parents. The feedback covers teachers performance in all levels, library services, administrative services, campus facilities, hostel facilities, canteen, co-curricular activities etc. The IQAC analyses the feedback and communicates the essence of the analysis to the relevant personnel.

Informal feedback is taken at department level, by individual faculty and during tutorial sessions. Improvement in academic performance at University level examination is substantial outcome of the effect of this mechanism. The installation of more fans in classrooms, renovation of the computer centre etc. are outcomes of students' feedback analysis. The system has helped a lot to maintain a student friendly campus and a healthy teaching - learning environment.

Besides, a suggestion box is kept for collecting students suggestions and opinions.

### **6.3 Faculty Empowerment Strategies**

**6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?**

The College Management, Principal, Faculty members, non-teaching staff, PTA and students work and interact in the most amicable manner to improve and attain professional development of the staff in all respects. The Management creates a balanced atmosphere for the

smooth functioning and further refinements of the teaching learning process at the college. The Faculty Members attend Orientation Programme, Refresher Courses, Workshops, Symposia etc conducted by various Universities, Academic Staff Colleges and also Kerala State Higher Education Council for faculty improvement.

The departments conduct various seminars and workshops to provide an exposure to new and promising areas of knowledge. The PTA and the Management give financial support for such programmes. Always Faculty Members are encouraged to undertake research leading to M Phil and PhD. Also they are motivated to become research guides and publish articles in peer reviewed journals. Whenever there is an opportunity, the faculty members attend seminars and present papers as part of the efforts to gain exposure and impart potential to the academic community.

The details of teachers doing research (para 3.1.9), who acquired higher degree (para 3.1.9), who took up research projects (para 3.2.7), research publications of teachers (Appendix Q), teachers who availed FDP (para 3.1.9), teachers who attended, orientation/refresher courses (Appendix T), teachers who attended seminars/workshops/conferences (Appendix U), seminars/workshops/conferences organized by the departments and other units (in respective department profiles) etc. are shown at paragraphs or appendix mentioned against the respective items.

#### **Details of activities related to professional development of faculty**

66% of our faculty members have research degrees (M.Phil./Ph.D.) and 18% have got registration for doing research. 9 permanent and 4 temporary faculty members completed their research work and were awarded Ph.D. degree during this period. 10 teachers are pursuing PhD programme at present. 11 faculty members of the institution guide the research work of 21 scholars at present.

11 minor projects were awarded/completed to the faculty members during this period. The faculty of the Departments of Chemistry, English, Economics and Commerce have ongoing Minor Research Projects of UGC. The PG Department of Physics and History, UG Department of Chemistry, Malayalam and Economics are making efforts to establish research centre. 11 faculty members of the institution guide the research work of 21 scholars at present.

More details of activities have been given in Appendices U, T, Q, S.

#### **6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

- To develop and enhance the teaching standards of the teachers, the college encourages them to attend Orientation and Refresher Programmes conducted by Academic Staff College supported by UGC.
- When the faculty members attain distinction in their field, they are felicitated in a public function in the befitting manner as motivation for further achievement.
- NCC and NSS Programme Officers regularly attend training programmes for them conducted by the authorities concerned.
- The college encourages the faculty members to undertake research projects of various funding agencies.

- The college encourages teachers for pursuing M.Phil., Ph.D. and postdoctoral studies in related subjects.
- Exposure of the teachers to various emerging areas is ensured by arranging talks of eminent academicians in the college and also by prompting teachers to attend international conferences, seminars and workshops. Various departments of the College organize national conferences by incorporating scholars and researchers.

### **6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

Performance assessment of faculty members on teaching, research, co-curricular activities, professional development activities and extension is conducted every year through self-appraisal report, as envisaged in the UGC scheme. The Principal/HoD verifies the factual data given by faculty members in the report and endorses his comments in the report. The self-appraisal report is kept in the department and it is mandatory for career advancement of teachers. No formal peer evaluation is practiced for the performance assessment of other staffs. But our staff meeting held at least 2 times a year, functions as a forum for self evaluation among the staff members.

### **6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

As the preparation of self-appraisal helps the staff to identify their strengths and weaknesses, measures for improvement of performance starts from the side of staff members without external intervention. However, the performance reports are reviewed by the Management and Academic Heads. The staff members whose performances are good are appreciated and those whose performance is not up to the expected level, are encouraged to improve their performance. The practice has proven to be very effective as there used to be tangible differences in the performance of teachers after preparation and analysis of appraisal.

### **6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

The teaching and non-teaching staffs have facilities to be availed such as Leave, Casual Leave, Duty Leave, Provident Fund, Festival Allowance, Death Cum Retirement Gratuity, Pension etc. as per service rules applicable to them as part of Government of Kerala and Kannur University. The Welfare schemes available for staffs and faculties are

- Employees' Credit Co-operative Society The society gives loan up to Rs. 2 lakhs at an interest rate of 10% p.a. that can be repaid in up to 60 instalments Besides this, a personal loan of Rs. 2 lakhs also is available. All staff members are members of the society. An amount of nearly Rs. 1.2 crores was given as loan during the last four years.
- Subsidized Canteen - Provides food items at a nominal rate for the staff and students.



- Provision stores through Students Co-operative Society
- Free medical check up at the neighbouring clinic
- Accommodation to lady staff available in the students Hostel
- Maternity leave of 180 days and paternity leave of 10 days
- Medical leave
- Provision of leave to faculty to pursue doctoral degrees.
- General Personal Accident Insurance Scheme up Rs. 7 lakhs.
- State Life Insurance scheme
- General Insurance Scheme
- Family Benefit Scheme
- Leave Travel Concession
- Allowance for the purchase of spectacles
- Medical reimbursement by the Government of Kerala

### **6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?**

From the beginning, the college has maintained good reputation as an academic institution and the results in the University examinations rise up to the expectation of all the stakeholders. Teachers are recruited as per rules laid down by the Government, the UGC and the University. As per the existing rules, the qualified candidates, who have applied for a particular post in response to our news paper advertisements, are interviewed by a Board consisting of

- (a) The College Principal.
- (b) Two representatives of the Management.
- (c) One Government Nominee.
- (d) Three subject experts.

A rank list is prepared on the basis of the interview and teachers are appointed from the rank list in order. In the appointment and promotion of the staff, the College Management strictly follows the rules and regulations of Kerala Government, Kannur University and the UGC in order to ensure quality in academic and administrative affairs of the college.

Retention of faculty members is facilitated through promoting maximum career advancement and professional development programmes among the newly recruited candidates. The Management and Principal provide all support to the Faculty Members in their research activities and also participation and presentation of papers in national and international seminars. The uninterrupted functional autonomy makes the college a healthy place to work in. The quality work culture and attitude of the Management make the institution an ideal destination for many eminent faculties. The high concern of the Management about the welfare of the

staff members, excellent and healthy ambiance of the college, the excellent performance of the college in academic as well as co-curricular activities, the high reputation of the college due to its unparalleled extension activities like construction of houses and buds school to endosulfan victims etc. also tempt the staff members to remain in the institution.

## **6.4 Financial Management and Resource Mobilization**

### **6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

The college management and administrative branch take utmost care and effort in the fund generation and utilization of the same for all round growth of the college. Grant from UGC, funds of PTA, fund available through MPs, etc. are being availed for this purpose. The utilization is decided in a democratic way in the meeting of all the heads of departments which is convened after the discussion about the same in the concerned departments. Each department prepares their requirements and submit it to the Principal. To look after the infrastructural requirements of the college on a priority basis there is College Development Committee. The Committee also looks after the implementation of all such projects. The utilization of the grant is monitored by technical and purchasing committee headed by the principal.

The College Management has an annual budgeting and auditing of its account as a regular system. There is also mechanism for short and long term planning. It always aims at utilization of funds in the most economic and judicious manner. To ensure economic utilization, competitive tenders and quotations are invited. Proper end use of expenditure is ensured through internal and external audits.

### **6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

The college has a mechanism for internal and external audit. The auditing of PTA fund is also done every year. The internal audit is done by the teachers of the Department of Commerce. The accounts of UGC funds, accounts of projects, seminars, workshops, SSP, WWS, ASAP etc. are audited by local Chartered Accountants (currently by Subrahmanya Bhat or M/s Jacob & Jacob) before the audit by the Government mechanism. Every year, during the March, the Principal constitute Stock Verification Committee comprising of faculty members and administrative staff to undertake stock verification of laboratories, libraries, departments, and classes as part of internal audit. Auditors from Deputy Director of Collegiate Education, Calicut and Office of the Accountant General, Government of Kerala, undertake the process of auditing periodically. In connection with this, there were no major objections raised by the auditors so far. The minor objections raised by the auditors have been rectified then and there. The accounts of the Students Co-operative Society and the Employees' Co-operative Society are audited annually by the Governmental auditors.

**6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.**

For the overall development of the college, the college needs fund from different sources. The major sources of receipts/funding of the college are as follows.

- Salary of permanent staff is fully supported by the Government.
- Salary of guest faculty (appointed before the procedure of identification and sanction by the Government is completed) is provided jointly by the PTA and the Management.
- Student scholarships/endowments are received from various schemes under Central and State Governments, PTA, Alumni and staff members.
- Funds for books/journals, equipments, maintenance are received from the State Government and the UGC.
- Fund for seminars/projects/conferences/workshops/refresher courses are received from the UGC, the state Government, KSCSTE, DST, various government agencies, Management and PTA.
- Support for extension and outreach programmes are received from the State NSS Cell, 32 Battalion NCC, Kerala Sports Council, Alumni, PTA and the Management.
- The college management mobilizes the fund in the form of donations. College also seeks to get assistance from the funds of MP's and MLA's. PTA fund is also utilized for the developmental activities of college.

Minor deficit in the funds are met jointly by the Management, the PTA and the alumni.

**Income and Expenditure Statement**

Sl. No.	Head of Income	2012-13		2013-14		2014-15		2015-16		2016-17	
		Income	Expenditure	Income	Expenditure	Income	Expenditure	Income	Expenditure	Income	Expenditure
<b>Grant in Aid</b>											
1	Salary-Teaching Staff	50541642	50541642	65570134	65570134	56014649	56014649	63684352	63684352	82854913	82854913
2	Salary-NonTeaching Staff	5127864	5127864	6263729	6263729	6478763	6478763	7262404	7262404	7208244	7208244
3	Remuneration (Exam)	88000	88000	139781	139781	126270	126270	138819	138819	147082	147082
4	Scholarship	538700	538700	541600	541600	621550	621550	642700	642700	-	-
5	Stipend and Lump sum grant	1363900	1363900	1410150	1410150	1499400	1499400	1933750	1933750	2237200	2237200
<b>Total</b>		<b>57660106</b>	<b>57660106</b>	<b>73925394</b>	<b>73925394</b>	<b>64740632</b>	<b>64740632</b>	<b>73662025</b>	<b>73662025</b>	<b>92447439</b>	<b>92447439</b>
<b>Amount received as Fee from Students</b>											
1	Students' tuition fee	1157400	1157400	1146200	1146200	1338000	1338000	1200200	1200200	1355800	1355800
2	Caution deposit	185022	156278	156480	119980	168360	120000	149280	125000	148205	125640
3	Special fee	938496	704979	827990	810211	1226095	1105821	1095729	1095729	703133	605998
4	Matriculation fee	19450	16750	13700	13700	19250	19200	14425	14425	-	-
5	Recognition fee	19450	16750	13700	13700	19250	19200	14425	14425	-	-
6	Hostel fee	287890	287890	346440	346440	412830	412830	449800	449800	455900	455900
7	Lab fee	161085	133730	179190	151524	209720	151310	295160	184975	270163	270163
8	Fine arts fee	461840	461840	481950	481950	510300	510300	822750	822750	923250	923250
9	Sports fee	69455	69455	74225	63964	109075	105459	157290	110074	72610	73770
10	Magazine fee	90295	90500	62820	54600	102915	103000	124375	104850	84700	69250
<b>Total</b>		<b>3390383</b>	<b>3095572</b>	<b>3302695</b>	<b>3202269</b>	<b>4115795</b>	<b>3885120</b>	<b>4323434</b>	<b>4122228</b>	<b>4013761</b>	<b>3879771</b>
<b>Other funds</b>											
1	UGC grant	-	-	5089044			4976924 (Expenditure)				-

2	FDP	59750	-	-	59750	-	-	598735	598735	-	-
3	MRP	-	112063	-	-	255000	-	-	255000	375000	300000
4	Seminar	-	-	438750	-	-	437114	-	-	124050	124050
5	Coaching classes for SC/ST/OBC and Minorities	317000	-	175000	152250	-	284750	-	-	-	-
6	PTA	550000	550000	662500	662500	762500	762500	635280	635280	752300	752300
7	NCC	195780	195780	195780	195780	195780	195780	195780	195780	195780	195780
8	NSS	45000	45000	45000	45000	45000	45000	45000	45000	45000	45000
	<b>Total</b>	1167530	902843	6606074	1115280	1258280	1725144	1474795	1729795	1492130	1417130
<b>Fund from College Management</b>											
1	Infrastructure, maintenance, seminars, equipments	75000	75000	715000	715000	5081000	5081000	1500000	1500000	2050000	2050000
2	Salary of temporary faculty	230000	230000	1133500	1133500	1520000	1520000	1342280	1342280	1525000	1525000
	<b>Total</b>	305000	305000	1848500	1848500	6601000	6601000	2842280	2842280	3575000	3575000

#### **6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

- DST-FIST has sanctioned a grant of Rs.1.1 crores during 2016-17 for meeting expenses in connection teaching and research facilities.
- Shortage of funds for seminars, workshops etc. are met by contacting UGC, DST, KSC-STE, Management and PTA.
- We have just started receiving books under books complementary scheme of NBHM.
- The college also receives donations from well wishers and alumni for undertaking development projects.

### **6.5 Internal Quality Assurance System (IQAS)**

#### **6.5.1 Internal Quality Assurance System (IQAS)**

- (a) Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

Yes. The college has established the IQAC in June 2011 and it functions efficiently under the leadership of the Head of the institution and IQAC coordinator in accordance with guidelines framed by NAAC. It has a clear quality with regard to quality assurance. IQAC is responsible for co-ordination of Departmental activities. It intervenes in all academic as well as non academic matters of the institution and suggests measures for achieving excellence. IQAC Coordinator/members are invited to the meetings of various departments, clubs, associations, PTA, Alumni, College Union etc so as to make the stakeholders familiar with the process. The meetings with the Management and the authorities ensure implementation of suggestions for quality assurance.

IQAC functions as a link between the UGC/NAAC and the varied stakeholders of the college. Before appointing the faculty, the Governing Body consults with the IQAC and their suggestions regarding quality parameters are taken seriously. The IQAC conducts regular meetings and scrutiny of the developmental activities going on in the college and also gives timely suggestions and corrections, if required.

- The IQAC monitors the schedules, plans and implementation of the teaching learning process mentioned in item 2.3.1.

- Feedback is collected from students after the completion of each semester and from alumni and parents after the completion of each academic year. Online feed back system is introduced in 2016. The feedback is analyzed and communicated to the concerned staff to initiate required remedial measures.
- Awareness given to teachers, especially to newly appointed Assistant Professors on faculty development programmes like orientation and refresher courses, short term courses and workshops, seminars, M.Phil., Ph.D., UGC FDP and FLAIR to make them equip with advanced developments in their subject.
- Ensures the participation of teachers in programmes which inculcate research mind-set and thereby promotes research activities in the college.
- Steps are taken to get seed money from PTA and Management for conducting minor research work, PG project works, seminars and workshops.
- Helps to establish linkage and collaboration with premier academic institutions and ensures participation of eminent academicians, scientists, industrialists and experts in different walks of life.
- Takes initiative to exploit the expertise of distinguished and successful retired staff of ours and neighbouring institutions in and around the district.
- Promotes steps to develop ICT based teaching learning and development of smart class rooms fitted with LCD projectors. Structured Internet, WiFi and uninterrupted power supply using generators, UPS an inverters were procured during the assessment period 2012-16 for smoothness in teaching learning.
- Documentation of relevant information, certificates and data for career advancement of teachers.

**(b) How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?**

The close rapport with the Management has facilitated the implementation of all suggestions of IQAC in principle. However, the pace of implementation varies in accordance with availability of funds and other limitations.

- One smart class room per each UG department and smart rooms for all PG classes
- High speed Internet connection
- Language lab
- Starting new courses like B.A. Malayalam, M.Com. and B.A. English
- Free WiFi in the college campus
- Renovation of computer lab
- Installation of bio-gas plant in the canteen and ladies hostel
- Encourage teaching faculties to undertake more research projects
- Partnership in Additional Skill Acquisition Programme (ASAP),
- Walk with a Scholar Programme
- Student Support Programme
- Construction of new academic block

- Introduction of online Student Management System
- Orientation programme for newly admitted students
- Installation of solar panels
- Office automation
- Library Automation
- Gymnasium and Yoga
- More number of PG programmes
- Uninterrupted power supply in the college
- Disposal of waste and maintaining cleanliness in the campus
- Infrastructure development
- Renovation of play grounds and botanical garden
- Adequate supply of purified drinking water to the students
- Construction of a Mens Hostel

**(c) Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

Yes. There are three external members - Municipal Councillor of the ward, one industrialist and one alumni. Muhammed Rafi (Councilor), Sabarinathan K.V. (Alumni), Karim (Industry), PTA vice president, local educational expert, student representative etc. They have forwarded valuable suggestions and supported all developmental activities.

**(d) How do students and alumni contribute to the effective functioning of the IQAC?**

Students provide feed back on the teachers, the administrative staff and facilities in the college through the structured feed back form. The IQAC maintains a close relationship with the students through the college union. This helps the students to give vent to their perspectives to the IQAC. The students can also drop their suggestions in the Suggestion box. The alumni of this college have been very active and they endow their spontaneous effort for the development of work culture in the college. IQAC utilizes input from feedback of students and alumni for policy formulation and implementation. The alumni, based on their experience, give suggestions for quality improvement on occasions of department level alumni gatherings. The novel initiatives like NET coaching and PSC Coaching are the examples. The prominent alumni are invited by the IQAC to interact with the students occasionally.

**(e) How does the IQAC communicate and engage staff from different constituents of the institution?**

The IQAC has representatives from different teaching departments and administrative staff. This ensures constant interaction with IQAC and staff. IQAC members visits all the departments occasionally and discuss the quality related issues with members of each department. Some of the IQAC members are also members of the college council which make all decisions regarding administrative matters. The IQAC communicate to its members through integrated communication tools (ICT) like email, Whatsapp, SMS etc.

**6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If yes, give details on its operationalisation.**

Yes. The college has an integrated framework for quality assurance of the academic and administrative activities. The IQAC closely follows the suggestions and guidelines of the UGC and the NAAC for quality assurance in teaching learning process, research, system management etc. and get them to practice in the college.

- The IQAC monitors the schedules, plans and implementation of the teaching learning process.
- The feedback system helps extensively the teachers to identify their strength and weakness and thereby improves their academic performance. The feedback is analysed and communicated to the concerned staff to initiate required remedial measures.
- Awareness given to teachers, especially to newly appointed Assistant Professors on faculty development programmes like orientation and refresher courses, short term courses and workshops, seminars, M.Phil., Ph.D., UGC FDP and FLAIR to make them equip with advanced developments in their subject.
- Ensures the participation of teachers in programmes which inculcates research mindset and thereby promotes research activities in the college.
- Promotes steps to develop ICT based teaching learning and development of smart class rooms fitted with LCD projectors. Structured Internet, WiFi and uninterrupted power supply using generators, UPS and inverters were procured during the assessment period 2012-16 for smoothness in teaching - learning.
- Supplements classroom learning, large number of co-curricular activities are organized.
- Ensures quality of administrative activities, office automation has been introduced.
- Training/orientation programmes for administrative staff, by retired staff members is arranged.
- The duties and responsibilities bestowed upon the administrative staff are clearly defined.

Academic programmes start with the academic calendar, and move on with systematic work plan, internal examinations, Student Management System, continuous and comprehensive evaluation, PTA meeting, mentoring, feedback, evaluation and academic review. The IQAC closely scrutinizes teacher evaluation, log book statistics, admission profiles, quality enhancement of faculties, feed back of the library from the students, feed back of the college from the alumni etc. and thereby ensuring quality. The IQAC committee meets regularly in addition to executive meeting with external members.

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If yes, give details enumerating its impact.**

- The faculty members regularly update their knowledge through orientation and refresher courses.

- The faculty is given training in ICT enabled teaching. The Department of Computer Science imparts technical training to the faculties.
- Training was imparted to the faculty regarding Student Management System.
- Training is also provided to the administrative staff in connection with office automation and improving the technical skills.
- Training/orientation programmes for administrative staff, by retired staff members is arranged.

Some specific impacts are mentioned below.

- Consistent academic performance - The college bags a fair number of University ranks every year.
- Progress in number of research publications of faculty membership
- Progress in number of books published by students and faculty of the college
- Fast processing of matters related with students and staff in the administrative section.

#### **6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?**

Yes. The institution is undertaking academic auditing through the following ways:

- The institution conducts academic review of the departments periodically. The HoDs present the details of coverage of papers, number of internal examinations, assignments etc. conducted in College Council meetings. The Council assesses the progress of the activities and gives suggestions.
- The Academic Monitoring Committee monitors and supervises the progress of works of all departments. It periodically monitors the number of classes engaged, remedial measures taken by the staff, extra classes engaged, ICT tools used and other quality parameters followed by the institution. This practice has enabled us to ensure that none of the departments lags behind in covering portions, conducting seminars, internal examinations etc.
- Feedback that is given from stake holders, such as students, alumni and parents helps to understand our strengths and weakness.
- Coverage of portions, examination results etc. are discussed in class wise PTA meetings. The practice helps to elevate the levels of learning.



### **6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

The college is a Government aided private college under the department of higher education, Govt. of Kerala. The academic calendar is designed in tune with the stipulations of the University. The IQAC familiarises the staff with the quality parameter suggested by the NAAC and the other agencies and periodically reviews the performance of the staff.

IQAC involves in planning, implementing, reviewing and improving the performance of the institution. Its yearly performance report(AQAR) submitted to the NAAC provides the institution the opportunity to take stock of its strength, weaknesses, opportunities and challenges every year.

### **6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

- Two internal examinations are conducted under the supervision of Academic Monitoring Committee each semester in a centralized manner.
- Class wise PTA meetings are conducted and the students' achievements are intimated to the parents. Tutorial meetings are also conducted regularly.
- Teaching learning process is reviewed through result analysis and students feedback. The results are discussed by the college council and it suggests measures to improve the quality of teaching learning process.
- The departments are advised to keep the following records that will help them improve the teaching learning process.
  - Syllabus
  - Teaching plan
  - University question papers
  - Mark list of internal examinations
  - Consolidated continuous evaluation marks with details of components like marks for assignments, marks for seminars, marks for attendance, marks for class test etc.
  - Student profile data sheet
  - Extract of students' attendance in the Student Management System

As a result of the above, the learning level of students could be assessed periodically and remedial measures including personal counselling to slow learners could be taken, if found necessary. The PTA meeting helps to look into the personal problems of students and evolve measures to correct the problems. The students feedback serves as a torch for the teachers to improve their performance.

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

The College Calendar, the college handbook given at the time of admission, College Magazine are published annually which includes details regarding quality parameters. The second level of communication is done through interactions like meetings of students and parents with the management representative, Principal, HoD, PTA vice president and secretary at the time of admission, orientation programme, PTA meetings, tutorial meetings etc. The college website also contains all these details. The annual report is published in the college magazine and read out in the public function on the College Day. The achievements of the college published in leading national dailies also serve the purpose.

**Any other relevant information regarding Governance, Leadership and Management which the college would like to include.**

Nil

## **Criterion 7**

### **Innovations and Best Practices**

#### **7.1 Environment Consciousness**

##### **7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?**

- The college has received the Green Campus award of the State Government in the year 2013 considering its environmental protection activities.
- The Department of Botany conducts survey of flora of the campus. The Department is renovating and improving the botanical/medicinal garden in the campus so that it will be converted into a butterfly garden in the near future. The Zoology Department conducts audit on different faunal species of the campus.
- The students and staff of the college is an environmental conscious community as they interfere in many environmental problems in the district.
- The NSS units, environmental club and biodiversity club of the is maintaining an artificial forest behind the building in collaboration with the Biodiversity Board of Kerala. The garden in the campus includes rare species like sandalwood and champak (magnolia champaca).
- The flowers in the garden of the college attracts many rare species of birds.
- By nature, the geographical area of the college has abundance of ground water. Being a sandy area, the rainwater gets absorbed in the campus itself. Hence water conservation measures are not that much relevant to the geographical nature of the college.
- To dispose the food waste of students safely and economically, bio-gas plants have been installed in the campus as well as in the ladies hostel. The practice gives the college a source of energy as well and disseminates to the students the practicability of such plants in their houses.
- To minimize consumption of electrical energy, the college has installed computers with LED monitors and bulbs are being replaced by LED bulbs step by step.
- The staff and students practice minimal consumption of energy by switching off the lights and fans and other electrical devices whenever they are not necessary. Stickers to promote this habit is displayed.
- The NSS and the NCC of the college includes plantation programmes and water harvesting programmes regularly in their extension activities.
- Consequent to the signature campaign and the memorandum submitted by the Sahithyavedi of the college, the Kannur University has stopped using plastic covers for question papers of the University examinations.
- The institution is planning to install solar power plant over the roof of the building.

### **7.1.2 What are the initiatives taken by the college to make a campus friendly?**

The students and staff of the college have got involved in many exemplary environmental conservation programmes. Some of the teachers are the forefront leaders of district environmental organizations. Considering such contributions among others, the State Government has awarded Green Campus award for the college during 2013-14.

- **Energy conservation**

The college has already switched over to energy efficient technology. Accordingly, computers are provided with low energy consuming monitors with LED/LCD panels. Efforts are taken to generate an energy saving attitude among the students and faculty members by organizing awareness campaigns. Staff and students take special attention in minimizing energy conservation by switching off fans, lights and other devices whenever they are not in use. Stickers in this effect are displayed at various places. The use of air conditioners is restricted to computer labs and conference rooms.

Conventional lighting systems like incandescent bulbs and fluorescent lamps are being replaced by LED bulbs and tubes.

- **Use of renewable energy**

Two bio-gas plants have been installed in the college, one in the women's hostel and one in the canteen.

- **Water harvesting**

Water conservation measures are not that much relevant to the geographical nature of the college as the rainwater gets drained to the ground without any intervention.

- **Check dam construction**

The geographical structure of the institution opens little scope for the construction of check dams in the campus. However, during the 10 day/7 day NSS camps, the NSS volunteers of the college have constructed check dams in their camp areas.

- **Efforts for Carbon neutrality**

The artificial forest maintained in the campus serves the purpose of maintaining carbon neutrality and attracting many birds and small creatures. The energy consumption/carbon emission of our college is in an economic and eco-friendly manner.

The college aims at making minimum carbon dioxide emissions in the campus. Special attention is given not to burn waste materials and to bury them in an environment friendly manner.

Used papers and plastic wastes are sold to external parties for recycling or reuse.

The College community is aware of its civic responsibility in maintaining carbon neutrality in the campus. Efforts in the direction of achieving carbon neutrality include: organizing seminars, workshops, exhibitions, consultations and awareness programmes.

- **Plantation**

The Biodiversity club, NSS, NCC are planting trees every year in the college campus as well as at suitable places outside the campus. Different agencies of the college have planted and conserved mangroves in many river banks in the district.

A tree register has been maintained in the department of Botany. This includes the binomial as well as vernacular name, family and location of trees in the campus. Botany department is also maintaining a medicinal garden in the college and keeping a register. The register contains binomial name, common name and family of medicinal plants in the college campus.

- **Hazardous waste management**

Acid and basic wastes are disposed by the departments after neutralization. Efforts are being taken to reduce the use of plastic in the campus and to convert the campus into a no-plastic green campus.

- **E-waste management**

E-waste such as discarded computers and printers are safely stored in a room allotted for the same. They are periodically disposed of through auction in which recycling agencies participate.

Apart from this, during the programmes of biodiversity club, NCC, NSS etc., the students and the public are given awareness classes about conservation of energy, water harvesting, use of renewable energy, efforts for carbon neutrality, maintaining greeneries etc.

## 7.2 Innovations

### 7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

The College has taken many innovative steps in the last four years and it has made considerable impacts in the face lift of the Institution

- **Smart class rooms**

20 class rooms have been upgraded into smart class rooms by installing 20 wall mounted LCD projectors supported by high speed Internet and Wi-Fi

- **High Speed Internet Through Optical Fiber Cabling and WiFi Campus**

Free and unlimited broad band internet facility with WiFi promotes ICT based teaching-learning, E-learning, in and remote access of library resources like E-Journals, E-Books. The facility also helps teachers and students to update themselves with current affairs and to mine the treasure of knowledge in the cyber space. The facility is a boon to those who pursue research works.

- **Online Student Management System**

College has introduced intranet Student Management System, using which the data relating to any student like attendance, internal marks, bio-data etc. can be obtained on finger tips.

- **Computer Assisted Technology for differently abled persons**

Computer Assisted Technology is utilized for supporting reading in the Library and accessing Internet in the centralised computer centre.

- **Waste management and renewable energy sources**

Two bio-degradable waste management system introduced and the biogas produced is utilized for the college canteen and womens hostel.

- **Palliative Care**

In order to help the poor patients, unused (excess) medicines were collected from students and staff by fixing a medicine box near the college office and distributed to the patients in collaboration with the Pain and Palliative care centre, Nileshtar

- **‘Sneha Sparsham’**

The NCC unit ex-cadets forum ( NEXUS ) of our college organized “Sneha Sparsham” programme in collaboration with Karuna Palliative Care Society and Social and Cultural Organisation of Nileshtar to give rays of hope to the palliative patients. The programme was inaugurated by the famous film star and Member of Parliament Mr. Innocent and during the inaugural ceremony an amount of Rs. 6,00,000/- was raised as public contribution, which was handed over to Karuna Palliative Care Society.

- **Plantation - “Shantistal”**

Planting trees is a regular exercise of the NSS, NCC, Botany Department and biodiversity club. As a step to preserve the Nileshtar river, Mangrove saplings were planted on the banks of the river by our NCC students.

Biodiversity Club has established a “Shantistal” a man-made forest ecosystem for conserving rare, endemic and endangered plants in the college premises in collaboration with Kerala State Biodiversity Board.

Botany department has established a medicinal garden in the campus and supplies medicinal plants to adjacent District Ayurveda Hospital and to public free of cost.

NSS and Dept. of Botany has established an Organic vegetable garden in the campus using bio-fertilizers, which includes slurry from the bio-gas plants and bio-pesticides. This has reinforced the state wide movement for promoting bio-farming, apart from motivating the students to get involved in farming at their homes.

- **Mushroom Cultivation and Entrepreneurship**

Department of Botany is conducting Mushroom cultivation training for students as well as farmers in the nearby locality every year and provides training on bonsai cultivation, flower arrangement for degree students. Also the department provides training session on horticultural practice (budding, grafting and layering) in collaboration with Kerala Agricultural College for the students.

As a entrepreneurial programme, Botany Dept. has conducted a training session for students on the production and marketing of jam and squashes.

- **Online Learning Platform: Moodle**

A free and open-source software learning management system Moodle is introduced

- **Online Feedback System**

A comprehensive online feedback system for collecting and analysing the feedbacks from Students, Alumni, Parents is introduced

- **Socio Economic and Health Survey**

An socio economic and health survey is conducted soon after the new comers joined for the first year degree course to find out students with different types of problems. The result is handed over to planning board for the further analysis and to formulate appropriate strategy in order to find solutions.

- **Best Library User Award**

To encourage the reading and reference habits among students, the college PTA offered the best library user award to two students who make the best use of the library every year.

- **Endowments and Awards**

As a measure for encouraging academically outstanding students, round 200 cash awards and endowments are instituted by various agencies including PTA Cash Awards, Management Cash Awards, C.K. Nair Memorial Endowment, NASCA Member Scholarship etc. To promote the cultural activities among students, the management has introduced an ever rolling silver trophy for the winner group in the college level fest.

- **Free Wheel Chair**

College PTA has constructed sliding pathway for physically challenged students and also provided with wheel chair by NSS Units in college.

Miss a Meal Programme is conducted by NSS Units by spending time with the patients of palliative care centre, Kanhangad and also supplied a quintal of rice as a humble support by missing their meals for a day.

- **Blood and Organ donation**

An NSS unit in college is organizing blood donation campaign with District blood bank every year to facilitate availability of blood in emergency.

An MoU of Organ donation is signed with Pariyaram Medical College by 650 students in the year 2013 - 14 and memorandum was handed over to V. V. Rameshan, Director, Pariyaram Medical College and an alumni of our college.

- **Career Guidance and Placement Service**

Centre for career and counselling cell functions in the college to provide career information, guidance and training to the students of the college. The centre provides useful information on recruitment procedure, training facilities, service conditions and employment opportunities. Various organizations like Muthoot Fincorp, Infosys and Federal bank are conducting campus placement services in the institution. For example in the campus placement drive conducted on 05/04/17 in our college by firms like Infosys, Wipro, Aegis, Sutherland and Solvers India, 5 student of our college got campus placement.

- **Lahari Virudhavedi**

Lahari virudhavedi is to help the students to desist themselves from consumption of alcohol, tobacco, narcotics etc which is widely rampant among students. Programmes are undertaken to make the students aware of the abuse of alcohol and drugs.

- **Student Counselling Centre**

For the first year students, a counselling programme is arranged to motivate the students to free themselves from their inhibitions and tensions. The centre takes care of those students who really need special attention. Apart from this, service of efficient psycho therapists and professional counsellors are ensured on the campus and Girls hostel every year.

- **Safety**

Installation of CCTV cams in the prime locations of institutions including corridor and main entrances enables the protection of valuables in the campus and helps maintaining discipline.

- **Class wise PTSA**

Parent Teacher Student meetings are convened in the college to discuss the academic and co curricular activities in the college. Before each semester and prior to the commencement of semester examinations, meeting is held to provide ample chances for correction and improvements in the learning progression of the student and conveyed the academic and discipline matters to parent. Teachers maintain a positive approach with parents, and an up to date performance of student is intimated to lead and correct them in a right pathway.

- **Tutorial System**

With the objective of developing a very healthy student-teacher relationship, a tutorial system is functioning the College. Students can freely discuss all matters related to their study and personal problems with the tutor during the tutorial sessions regularly (All Wednesday 3.30 pm - 4.30 pm). Making a sincere effort to solve the problems of the students, the tutors gives proper counselling to the students, and play a very significant role in moulding good character and conduct.

- **Remedial Classes**

The college is conducting remedial classes in English for the duration of 30 hours for 1st year Degree students who are found to be very weak in the language. The selection of students for remedial classes is made on the basis of a test conducted immediately after their admission. Remedial classes also conducted for other main and subsidiary subjects as per needs. The classes are conducted free of cost.

- **Walk With A Scholar and Scholar Support programme**

The WWS scheme arranges specialized mentoring programmes for students in UG programmes and provide guidance for their future. Each student is guided by an internal mentor as well as external mentors. The scheme is open to all students entering the first year of the UG programmes, subject to a maximum of 30 students.

The Scholar Support Programme (SSP) aims at extending personalized additional support to students in the selected subjects included in the curriculum through tutorials, study materials, additional lectures, question banks and interactive sessions for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> semesters. This programme is implemented by New Initiatives in Higher Education, Directorate of Collegiate Education. Our college started the Scholar Support Programme (SSP) in the academic year 2015-16.



## 7.3 Best Practices

### 7.3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

#### Best Practice - 1

**1. Title of the Practice:**

Construction of houses and providing medical help to the endosulfan victims of Kasargod District.

**2. Goal:**

The goal of the practice is manifold. There are a lot of persons around us who live in pathetic conditions. We may not be able to help all of them. But to use our might to help them some way or other is the duty of every responsible citizen.

We are living in the new era of cyber space in which a student go contracted by himself with little interaction without concern for the society. The main goal of the project is to reach out to the needy to the extent possible. Another goal of the project is to transform the students in their outlook and perceptions about their role in the society. Yet another aim is to link the society to the college and vice versa, and maintain close and healthy interaction between them.

A main limitation of our educational system is that students confine themselves to the syllabi and remain unaware of the problems and pulse of the society. The project is intended to be an eye opener to such students and to help them learn the syllabus of real life and empathise with the people around him.

**3. The Context:**

The health hazards that the people of Kasargod had to endure due to ariel spray of the killer pesticide endosulfan is the biggest of its kind in world. Thousands of people were also killed due to the ariel spray of the pesticide for 25 years in 5000 acres of cashew plantation spread over 11 panchayaths. More than ten thousand persons including children were affected by various diseases and they live very pathetic life. The area is inhabited by comparatively less educated or illiterate and poor people. The Shithya Vedi is in the fore front of the struggles and other efforts organized to help the victims get justice. Dr. Ambikasuthan, the president of the group is a champion of environmental protection who has given leadership to various struggles and has written more than 40 articles on this issue in periodicals.

It was quite accidentally that the project was started. On hearing the deplorable plight in which the endosulfan victim boy Unnikrishnan was living, the Sahithyavedi activists visited his so called house in 2011 and found that he was living under shelter made by plastic sheets with no furniture of other facilities and decided to build house for him then and there. Thus the first house in the project was built for him within one year by contributions from students, staff and the public. The balance amount in the collection was given to four other victims in function in which the Jnanapetam laureate M T Vasudevan was the chief guest. The noted film actor Suresh Gopi, who is now an MP, who was

present in the function offered Rs. 3 lakhs for the next house. The project in which 7 houses have been completed now in seven villages. Of these six houses were built after 2012 (The list of beneficiaries and details are given under section 3.6.4). It has further been resolved to build a Buds School, with an expected cost of 50 lakhs, for the victims of the killer poison, and the construction work is going on.

#### 4. **The Practice:**

Pained by the deplorable plight of the inhabitants and patients of the area the companion took the bold decision to build houses for those destitute. Till now 7 houses have been completed and their keys have been handed over. From 2003 onwards the poor patients in the affected area are provided free supply of medicines.

The programme is implemented under the leadership of The “Sahithya Vedi”, a companionship of students and teachers of various departments that works under the supervision and leadership of the well known writer, environmentalist and social worker Dr. Ambikasuthan Mangad of the Department of Malayalam.

If the applicant does not have own land, local bodies like panchayaath, municipality etc were contacted to get them land sanctioned. Though we have received applications from the neighbouring districts also, only applications from Kasargod district were considered.

The key handing over ceremony of the first had a wide coverage in newspapers and TV, consequent to which more applications for houses were received by us. Therefore we laid down the condition that only victims who are poor and have been identified by the government and issued biometric card in which experts from medical college certifies that the card holder is a victims will be considered.

The received applications are scrutinized first, following which enquiries about the applicants financial and other conditions are made by visiting their villages and contacting the villagers. After the choosing the beneficiary of the house, a massive organising committee will be convened in the village including the social workers, environmentalists, representatives of local bodies, MLA, Panchayath President, and other important personalities in the area. Only voluntary contributions will be accepted and no requests for contributions are made. The construction work is completed with the cooperation of the skilled labourers, members of various organisations, Kudumbasree and the members of sahithyavedi. Maximum effort is made to avoid employing paid labourers. As a result, on completion of each project a big community that works for the society is formed in that place. For each house Suresh Gopi contributes three to four lakhs. The houses built costs approximately ten lakhs. The house will be equipped with water tank, toilet, smokeless fireplace, electricity connection and basic electrical items, basic furniture, etc.

The plan of the house will be made to suit the special needs of the inmates. The house built for Ankitha, chervathur in 2013 had the front room for tailoring shop, as her parents proximity was necessary the house. The house built for Hasena in Kasargod in 2015 had room for the business of her mother. The house for Pavithran built in 2015 at Kayyoor was mad in two storeys as their land was too low and there can be the threat of water in the ground during rainy season. The buds being constructed now, has facilities like western toilet attached play ground for the use of the differently abled children, special transport vehicles connecting the houses of the children and the school, dining hall, separate kitchen, etc.

On completion of the projects, the key handing over ceremony is conducted in a big programme that turns to be a conference of environmentalists as well.

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**5. Evidence of Success:**

- (a) Seven houses built by the sahithya vedi are serving as the central star around which the community formed during the construction work is still operative.
- (b) Impressed by the grandeur of the project, the news papers and the television channels gave wide coverage and publicity to the events. The album of newspaper reports has been kept in the Malayalam Department.
- (c) The project gave very high reputation to the college in the state.
- (d) Many other colleges and schools followed the suit by building houses for the destitutes/patients/endosulfan victims.
- (e) We have received more than hundred requests for houses, out which thirty have been filtered and kept for future consideration.
- (f) Some of the families who could not complete their houses also approached us for help.
- (g) The family structure of many houses improved after the house was handed over. Father of the first beneficiary, Unnikrishnan of Bovikaanam, had abandoned the family as he could not withstand the misery of the family members. The sister of the beneficiary Dhanya got married immediately after the key handing ceremony, as the house elevated the status of the homelss family. We even felt that the health and appearance of the family members changed a lot after they owned a house. The business the mother of Haseena and the tailoring shop of the parents of Ankitha are functioning well in their house itself.
- (h) Standing testimony to the acceptability of the project among the people, many philanthropists in and out the country has made voluntary contributions. Many common people as well as others have come foreword to join us for the success of the buds school being constructed. Former chief secretary of Kerala and Vice Chancellor of Malayalam University sent us cheque worth Rs.10,000/-. The students of C. K. Nair college contributed the amount (Rs. 15,000/-) they have collected for their birthday celebrations to the project. Also 50 students of the college joined us in construction work on a day. Students of a school of Areekode in Malappuram district sent Rs. 15,000/-. Kasthoorba Mahila Samajam donated land of 10 cents for the project. Many others, including an alumni who contributed Rs. 50,000/-.

**6. Problems Encountered and Resources Required:**

- (a) Since the college is following semester system, students do not get much free time to spend for the project. At present they work on Saturdays and Sundays for the success of the project.
- (b) The Sahithya vedi intends to build a few more houses. But finding time for the organizing and implementation is big hurdle before us.
- (c) We encountered financial problem also in some cases. The contribution from the sponsor Suresh Gopi is 3-4 lakhs, where as the actual cost of the house is more than twice this amount. Sometimes the office bearers of the organization are forced to spend money for the project.
- (d) The increase in the cost of materials used for construction, and unavailability of materials like sand, laterite stone etc. also bring some difficulties.

**7. Notes (Optional):**

We are proud that the house construction project turned out to be a pioneering community service activity that tempted many other agencies to do same or similar activities that will help alleviate sufferings and hardships of the beneficiaries. It further helped to mould the personalities of the students in a community oriented way. The movement further helped to persuade the people to think against the reckless use of pesticides in vegetable cultivation and to promote the practice of organic pesticides.

**8. Contact Details:**

Name of the Principal : P V Pushpaja  
Name of the Institution : Nehru Arts And Science College Kanhangad  
City : Kasargod  
Pin Code : 671 314  
Accredited Status : A Grade  
Work Phone : 0467 2284625  
Fax : 0467 2280335  
Website : www.nasc.ac.in  
E-mail : nascollegekanhangad@gmail.com  
Mobile : 9446168593

**Best Practice - 2**

**1. Title of the Practice:**

Scaffolding the Creative Writing and its Publication for enlightening the students and society towards a better tomorrow.

**2. Goal:**

Education is a process for the all round of development . Developing the creativity of the students will transform them into selfless and sociable individuals with qualities like wisdom, kindheartedness, and social commitment.

Effective, powerful and pragmatic deliberations is important to successful creative writing. Without authentic-sounding conversation, a beginners characters and plot will appear unformed. Discussions enable to reveal individual character and add sparkle to the writings. The Creative writings are exposed to the public through proper publication.

With this aim in mind, ceaseless practice by the College, lead by Department of Malayalam, is on in conducting literary discussion sessions for the students and staff of all disciplines on every Friday for the last 30 years. Sahithyavedi and leading publishers are publishing the creative writings of students, staff and alumni.

**3. The Context:**

The Kasargod District lags behind the other parts of Kerala socially, economically and educationally. Creating awareness like eradication of superstitious beliefs, environmental protection, bio-farming, side effect of excessive use of pesticides, gender equality, human rights among the people is of paramount importance in this context

Quoting Bacon-“Reading maketh a full man, conference a ready man and writing an exact man”. Therefore, providing the society reading materials dealing with problems and

matters directly linked with their day to day life is an important step that an educational institution can take. The practice further helps to preserve traditional and indigenous treasure of knowledge in the fields like language and local dialect, culture, heritage, art, folklore, farming.

The students of our college, who make outstanding performances in the University level in academic as well as co-curricular activities have innate traits to achieve this goal. Channelising their creativity in the proper direction is what is important. It is this realisation that prompted the college to launch such a project.

#### 4. **The Practice:**

The College encourages publication of creative writings and the necessary scaffolding is done by the Department of Malayalam. Students are motivated to pen their thoughts and the writings are discussed for refinement. After refinement, the writings are published by the “Sahityavedi” or by the leading publishers in the State.

Publication cost is usually met collectively by the department. Some of the writings of the students have been published in reputed periodicals like Mathrubhoomi, Madhyamam, Manorama. Later such publications are collected and published as edited books.

The practice gives encouragement for students to write more. The topics covered by the articles are often related to important social issues and this helps to nurture social commitment among the students. Books on environmental issues like harmful use of chemical fertilizers, hunting animals in connection with certain ceremonies etc. have been published like this. Students learn great lessons about the importance of reciprocity of human beings and the environment around him. The practice has helped to transform the students of Nehru Arts and Science College Kanhangad into a community that intervenes in environmental and other social issues. The book named “Ponjaru” (meaning nostalgia) on local dialects of Kasargod district is another innovative publishing of our students. This book received state-wide appreciation and tempted several other groups to follow the suit. In the new era of globalization, in which many local languages are being thrown off, the publications like “Ponjaru” serve the purpose of a measure towards the conservation of our culture and languages.

So far the department of Malayalam has published 14 books. The book “Nhaattuvela” includes memoirs of 100 renowned writers including the “Jnanpith” laureate Padmabhusan M. T. Vasudevan Nair.

The novel “Abhayarthikalude lokham” published by Mathrubhoomi was written collectively by 11 students of the College. The novel “Jeevithathinte upama” published by DC books was written collectively 13 students. On the 100<sup>th</sup> birth centenary of noted writer Vaikom Muhammed Basheer, the “Sahityavedi” released the book “100 Basheer”, which includes writings of 100 leading writers about Basheer. The book “Vayanatu Kulavan” published in collaboration with “Naithal” and Environmental organisation in Kasaragod District, is an eye opener against the unnecessary, unjustified and cruel animal hunting. The book “Athiye Puthiye” consists of 24 short stories and poetries of 11 students of the college. The book “Athibouthikavum Prathirodhavum” comprises of articles of 15 students.

The book “Kavitah Kalam Desham” published in 2013 contains 7 selected articles presented in the seminar conducted on 16, 17 February 2017 in the college of which, 5 articles are of our students and 2 articles are of our teaching staff. The book “Vakkinte

Velicham” published in 2014 contains 10 selected articles presented in the seminar conducted on 8, 9 August 2014 in the college with the financial assistance from the UGC. The book “Short Flames” about cinema, the book “Post Card” by our Student Aneesh Vengat, the book “Chirakatta Robin” by the student Soumya Muzhakkometc are a few examples. The second edition of “Ponjaru” was published in Dubai of UAE by the cultural organisation of our alumni “Jwala”, in 2015. This edition was done by 1000 and odd students of our College. 300 copies of the book was sold in U.A.E. The “Nanma”, an organisation of expat malayalees in Muscut has requested to publish the third edition of this book.

The book “Ormakal Yathrakal” (2015), “Endosulfan Sathyavum Mithyayum” (2016) were written by our alumnus. The book “Hajar Pushakam” includes works of 12 famous writers, who are alumni of the college.

This unique practice raised the dignity of Nehru Arts and Science College Kanhangad into heights and spread the reputation of the College in and outside the State.

**5. Evidence of Success:**

- (a) Many of the students who were active participants of the project became writers in future. Noted writer and Kendra Sahitya Academi award winner and cinema script writer Shajikumar P. V., noted writer and cinema script writer Santhosh Achikaanam, noted writers Biju Kanhangad, Naalapaadam Padmanabhan etc. are a few examples.
- (b) 300 copies of the second edition of the book “Ponjaru” was sold out in UAE. Several eminent linguists sent us words of appreciation about this book. Many periodicals wrote articles about this book. The biggest dictionary in Malayalam named “Shabda Thaaravali” included 200 words from this book in their new edition.
- (c) Several other organisations published books on local dialects after reading “Ponjaru”.

**6. Problems Encountered and Resources Required:**

The main problem faced by the “Sahityavedi” is related the financial expenses in connection with the programs organized. This was met to a certain extend by assistance from alumni, students, staff and alumni association abroad.

**7. Notes (Optional):**

Most of the writings in our publications are by students and alumni, whereas generally the books and articles published by colleges include writings of staff members. The practice has helped to establish a rapport between our students and leading writers in the state. This has helped the students to expand the horizon of their knowledge a lot.

**8. Contact Details:**

Same as that in Best Practice 1.

## Department of Botany

1. Name of the Department: Department of Botany
2. Year of Establishment: 1968
3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B.Sc. Plant Science (Core)
UG	B.Sc. Botany (Complementary & Open)

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Mushroom Cultivation and Marketing Biotechnology	Open to all nine departments

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
B.Sc. Plant Science	Choice Based Credit and Semester System

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the complementary course of the B.Sc. Zoology course. Students of the department are free to choose any of the open courses offered by other departments.

7. Courses in collaboration with other universities, industries, foreign institutions etc.:

Certain topics in the curriculum are dealt in collaboration with Krishi Vigyan Kendra Kannur, Central Plantation Crops Research Institute Kasaragod and College of Agriculture Padnekat.

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Assistant Professors	4	4

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Dr. Kochuthressiamma Andrews	Associate Professor (Retd.)	M.Sc., Ph.D.	Seed Technology	33	N.A.
Dr. Manjula C.	Assistant Professor in-charge of HoD	M.Sc.	Plant Physiology and Biotechnology	12	N.A.
		M.Phil.	Plant Physiology and Biotechnology		
		Ph.D.	Anatomy and Crop Improvement		
Dr. Prajith P. K.	Assistant Professor	M.Sc.	Tissue Culture	6	N.A.
		Ph.D.	Desert Ecology		
Dr. Agretious Thomas K.	Assistant Professor	M.Sc.	Biotechnology and Crop Improvement	6	N.A.
		M.Phil.	Developmental Botany		
		Ph.D.	Mycology		
Dr. Subrahmanya Prasad K.	Assistant Professor	M.Sc.	Biotechnology	6	N.A.
		Ph.D.	Ethnobotany		

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

24% during academic year 2012-13.

13. Student teacher ratio (programme wise)

B.Sc. Plant Science	18:1
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14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Designation	Sanctioned	Filled
Lab Assistant	1	1

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Dr. Kochuthressiamma Andrews	M.Sc., Ph.D.
Dr. Manjula C.	M.Sc., M.Phil., Ph.D.
Dr. Prajith P. K.	M.Sc., Ph.D.



Name	Qualification
Dr. Agretious Thomas K.	M.Sc., M.Phil., Ph.D.
Dr. Subrahmanya Prasad K.	M.Sc., Ph.D.

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received :

Dr. Agretious Thomas K. applied for grant for 1 minor research project for an amount of Rs. 5 Lakhs (Floristic Studies on the Family Strophariaceae (Agaricales, Fungi) in the Northern Kerala) from UGC.

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.: Nil

18. Research centre/facility recognized by the University: Nil

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications				Number of publications in Conference Proceedings
	Regional/ State	National	International	Listed in International Database	
Dr. Manjula C.	2	3	6	-	-
Dr. Agretious Thomas K.	-	1	-	-	-
Dr. Subrahmanya Prasad K.	1	1	16	-	3

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Dr. Subrahmanya Prasad K.	-	1	-	-	-	-

Details are given in Appendix Q.

20. Areas of consultancy and income generated:

Consultancy provided free of cost in Plant taxonomy for identification of plants.

21. Faculty members in

(a) National Committees:

Name	Position	Committee
Dr. Subrahmanya Prasad K.	Life Member	Indian Association of Angiosperm Taxonomy

(b) International Committees: Nil

(c) Editorial boards: Nil

(d) Others:

- Dr. Subrahmanya Prasad K.
  - Executive Member of Malabar Eco cultural Association (MECA), Kasaragod.
  - Joint Director of Research Institute for Traditional Sciences, Kannur.
  - Kasaragod District Technical Support Group (TSG) Member of Kerala State Biodiversity Board.
  - Reviewer for Nordic Journal of Botany and Taiwan.

## 22. Student projects

(a) Percentage of students who have done in-house projects including inter departmental/programme

Year	UG and PG Project (Mandatory)
2012	100
2013	100
2014	100
2015	100
2016	100

(b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies:

Year	Project title	Percentage of students	Organization /institution
2012-16	Budding, grafting and layering	33	College of Agriculture, Padnekat
2013-15	Mushroom cultivation training	33	Krishi Vigyan Kendra, Kannur and CPCRI, Kasaragod
2014-15	Trichoderma cultivation and marketing	33	College of Agriculture, Padnekat
2014-15	Local mango survey, collection and conservation	33	College of Agriculture, Padnekat
2015-16	Mushroom spawn production	33	College of Agriculture, Padnekat

## 23. Awards/Recognitions received by faculty and students

### • Faculty

- Smt. Manjula C. was awarded Ph.D. by Kannur University on 18/07/2013
- Dr. Subrahmanya Prasad K as reviewer for Nordic Journal of Botany and Taiwan.

### • Students

#### – University Ranks

Year	First Rank/Grade	Second Rank/ Grade	Third Rank / Grade
2011-2012	Sapna K (B+)	Greeshma K( B+)	Jismi Jose(B+)

Year	First Rank/Grade	Second Rank/ Grade	Third Rank / Grade
2012-2013	Deepa AV(A)	Linu Thomas(A)	Anju m(A)
2013-2014	Akshaya Pai (B+)	Akshatha Pai(B+)	Manju K(B+)
2014-2015	Reena A(A)	Keerthi V(A)	Raveena A (B+)
2015-2016	Soumya P(A)	Jeena K(A)	Reesha C C (A)

– **University Fine Arts**

Details are given in Appendix Y.

– **University Sports**

Details are given in Appendix X.

24. List of eminent academicians and scientists/visitors to the department:

Sl. No.	Name	Designation	Date
1	K. S. Prasanna Kumar	Associate Professor, Botany, Payyanur College, Payyannur	23/05/12
2	Dr. Abdul Jaleel	Assistant Professor, Botany, Sir Syed College, Taliparamba	26/05/12
3	Dr. K. P. Prasanth	Assistant Professor, Botany, SN College, Kannur	28/11/12
4	Josekutty E. J.	Assistant Professor, Botany, Govt. Brennan College, Thalassery	30/11/12
5	Dr. Gayatri R. Nambiar	Assistant Professor, Botany, Sir Syed College, Taliparamba	13/02/13
6	Dr. Sreeja P.	Assistant Professor, Botany, Sir Syed College, Taliparamba	17/02/13
7	Dr. G. M. Nair	Dean, Biological science, Central University of Kerala	28/02/13
8	Dr. Sujatha R.	Associate Professor , KAU, Padanekad	28/02/13
9	Dr. Harikrishnan	Assistant Professor, Botany, Payyanur College	19/05/13
10	Dr. Jeeshna M. V.	Assistant Professor, Botany, SN College, Kannur	23/05/13
11	Sri. Anand Pekkadam	Environmentalism, Kerala	10/09/13
12	Smt. Sujatha P. V.	Psychologist , Counselling Expert	29/01/14
13	Dr. George Varghese	Director, KSCSTE	18/02/14
14	Dr. Jayanth Ganguly	Scientist, Regional Science Centre , Calicut	25/02/14
15	Dr. K. P. Prasanth	Assistant Professor, Botany, SN College, Kannur	28/05/14
16	Josekutty E. J.	Assistant Professor, Botany, Govt. Brennan College, Thalassery	30/05/14
17	Dr. Gayathri R .	Assistant Professor, Botany, Sir Syed College, Taliparamba	13/08/14
18	Dr. Salam K.	Assistant Professor, Botany, Sir Syed College, Taliparamba	15/08/14
19	Dr. Raveendran K.	Research Guide, Kannur University	19/01/15
20	Dr. Harikrishnan	Assistant Professor, Botany, Payyanur College	19/02/15
21	Dr. Jeeshna M. V.	Assistant Professor, Botany, SN College, Kannur	23/05/15
22	Dr. Prakash P.	Assistant Professor, Botany, Govt. Brennan College, Thalassery	27/05/15
23	Dr. M. K. Abdul Khader	Vice Chancellor , Kannur University	22/02/16
24	Dr. Kunhikrishnan	Head, Zoology, Kerala University	22/02/16
25	Dr. Satheesh Kumar	Professor, Physics, Manipal University	22/02/16

Sl. No.	Name	Designation	Date
26	Dr. Govindan	Associate Dean, KAU, Padnekkad	23/02/16
27	Mr. Balakrishnan V. C.	Environmentalism, SEEK, Payyannur	23/02/16
28	Dr. Thomas George	Assistant Professor, Zoology, Govt. College, Kasaragod	23/02/16
29	Dr. Balakrishnan P.	Assistant Professor, Botany, P R S N S S, College, Mattanur	27/04/16
30	Dr. P. C. Deepamol	Assistant Professor, Botany, Payyanur College	27/04/16
31	Dr. C. R. Lalitha	Associate Professor, Botany, S N College, Kannur	29/07/16
32	Dr. P. C. Deepamol	Assistant Professor, Botany, Payyanur College	29/07/16
33	Dr. Tajo Abraham	Assistant Professor, Botany, Sir Syed College, Taliparamba	04/08/16
34	Dr. Hari Krishnan	Assistant Professor, Botany, Payyanur College	05/08/16

## 25. Seminars/Conference/Workshops organized and the source of funding

## (a) State/Regional Level

Sl. No.	Topic	Source of Funding	Date
1	Genetically Modified Crops and Food Security	KSCSTE	28.02.2013
2	Mental Health and Personality	PTA	08/02/2013
3	Mental Health and Personality	PTA	29/01/2014
4	Fostering Scientific Temper	KSCSTE	18/02/2014
5	Environmental Awareness	PTA	10/09/2015
6	Coastal and Wetland Ecosystem	PTA	19/01/2016

## (b) National Level

Sl. No.	Topic	Source of Funding	Date
1	Climate Change Challenges and Solutions	KSCSTE	22/01/2016-23/01/2016

## (c) International: Nil

## 26. Student profile programme/course wise:

B.Sc. Plant Science					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	860	31	2	29	90
2013-14	875	30	3	27	81
2014-15	912	29	3	26	100
2015-16	999	29	2	27	93

## 27. Diversity of students

<b>B.Sc. Plant Science</b>			
<b>Academic Year</b>	<b>% of the students from the same state</b>	<b>% of the students from the other states</b>	<b>% of the students from abroad</b>
2012-13	96.6	3.4	Nil
2013-14	96.6	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

- Number of students who have passed UGC NET during the assessment period: 9
- Approximately more than 25 students have cleared NET/SLET/GATE since the inception of the Department.
- No. of students cleared competitive examinations of Defence services during the assessment period: 5
- Approximately 23 students cleared competitive examinations of Defence services so far

29. Student progression

<b>Student Progression</b>		<b>Against % Enrolled</b>
UG to PG		51
PG to M.Phil.		N.A.
PG to Ph.D.		N.A.
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	Nil
	Other than campus recruitment	25
Entrepreneurship/Self-employment		15

30. Details of Infrastructural facilities

(a) Library: 376 books, 1 Journals. e-journals using N-LIST

(b) Internet facilities for Staff & Students

- Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre rennovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
- Central Library is provided with high speed networking and WiFi facility

(c) Class rooms with ICT facility

A smart class room set up for final year UG students in 2013-14.

(d) Laboratories

- A full fledged laboratory with a museum, equipments and devices necessary for conducting UG programme including the mandatory project work.
- Laboratory upgraded with facilities for carrying out minor research work also.

31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies: More than 75% of the students are getting financial assistance from various government agencies. Year wise details are provided in para 5.1.3.
- Scholarship from PTA: Details are given in para 5.1.2.
- Scholarship from Alumni: Details are given in para 5.1.2.
- Endowment: Details are given in para 5.1.2.
- Department level - Scholarships are awarded by central and state governments and university on the basis of merit and community. Management and PTA giving cash awards for academically outstanding students. Prof. P. K. Indira Retd. HOD Botany Dept.(2008) is giving cash award to top scorer of final year B.Sc. plant science students in every year.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sl. No.	Topic	Source of funding	No. of Participants	Resource Persons	Paper Presentations	Date
1	Genetically Modified Crops and Food Security	KSCSTE	98	2	2	28/02/13
2	Mental Health and Personality	PTA	85	1	1	08/02/13
3	Mental Health and Personality	PTA	98	1	1	29/01/14
4	Fostering Scientific Temper	KSCSTE	150	1	0	18/02/14
5	Astrophysics and Astronomy	KSCSTE	150	1	0	25/02/14
6	Science Exhibition	PTA	1000	-	0	25/01/14
7	Environmental Awareness	PTA	95	2	2	10/09/15
8	Science Exhibition	PTA	300	-	-	10/09/15
9	Coastal and Wetland Ecosystem	PTA	90	1	4	19/01/16
10	Climate change - Challenges & Solutions	KSCSTE	150	5	7	22/01/16-23/01/16

33. Teaching methods adopted to improve student learning

- ICT based teaching using LCD projector
- Hands on experience with college medicinal garden
- Visit to the Agriculture Farm of the neighbouring campus
- Experience with Archetypal forestcontaining various trees
- Experiment based learning in laboratory
- Assignments
- Seminars
- Presentation
- Practical tests

- Project work

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Provided assistance for medical expense of Kum. Megha, IV th Std , Govt. Primary School, Kooliyankaal, Kanhangad: Rs. 28,500/- in 2012-13
- Provided assistance for medical expense of Rasnas Mother(III PS): Rs. 10,000/- in 2014-15
- Encouraging participation in activities of
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club, nurture social responsibility
- Extending service and participation in extension activities through
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coaching Centre for SC/ST/OBC and Minorities, Health Club

35. SWOC analysis of the department and Future plans

**SWOC Analysis**

- **Strengths**
  - All the faculty members Ph.D holders
  - Intake of Studious students
  - Excellent number of NET/JRF/SET holders
  - Excellent performance in University examinations
  - National seminars/conferences/workshops for disseminations of knowledge
  - Well equipped laboratories
  - Museum
  - Uninterrupted power supply using inverter
  - Linkage and collaborations with premier institutes like KAU, CPCRI, IISR, CUK
  - Good number of Publications in peer reviewed journals/Books
  - Active and creditable PTA support
  - Smart classrooms for UG and PG programmes
  - Participation of students in NCC/NSS and various clubs for social enrichment
  - Excellent participation in sports and arts
  - Support for E-learning and interactive simulations base studies
  - Medicinal garden
  - Mushroom-vegetable cultivation, Bonsai Preparation and Bio-farming
  - Biodiversity Park
- **Weakness**
  - Not yet a research centre
  - Lack of International Seminars
  - No add-on Courses

- Lack of good Departmental library
- No interdisciplinary Programmes
- Less number of publications in peer viewed journals/Books
- No PG programmes
- No research guides
- No extension and outreach Programmes

● **Opportunities**

- Linkage and collaborations with Institutions like Central University of Kerala, Agricultural College, CPCRI
- Young, dynamic and highly talented teachers for guidance in Projects/Research
- Commencement of Post-Graduate Programmes
- E-learning and interactive simulations based studies using unlimited high speed broadband internet and Wifi facilities
- Training in Mushroom-vegetable cultivation, Bonsai Preparation and Bio-farming
- Awareness of medicinal plants
- Challenges
- Lack of placement opportunities after completion of UG/ PG programmes
- Refraining from higher studies by a major portion of girl students after PG programmes
- Unable to attract students both from south-Kerala and outside Kerala
- Fall in the number of male enrollment in UG programmes
- Tight schedule of semester system

**Future Plans**

- As a part of Horticulture syllabus we are doing Vegetable Cultivation ,using biofertilizer.
- Renovation of existing Medicinal Garden
- Mushroom Spawn Preparation & Mushroom Cultivation
- Plant Biodiversity Conservation ( Biodiversity club activity Started)
- Planning to Conduct Flower show
- Conducting Indoor plant cultivation (Bonsai, Bottle & Dish garden)
- Conservation of rare and endangered Plant Species
- Conducting National & International Seminars
- To establish a well equipped Green House.
- To take up campus beautification, to plant wild plant and medicinal plants in the campus
- Create complete greenery around the campus for campus beautification and air purifications
- Planning to Publish Books, Based on the Plant Science Syllabus.
- Planning to Publish Books Based on the Research publications of the Faculty Members of Botany Department



## Department of Chemistry

1. Name of the Department: Department of Chemistry
2. Year of Establishment: 1968
3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B. Sc. Polymer Chemistry (Core)
UG	B.Sc. Chemistry (Complementary)

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Chemistry in service to man	Open to all nine departments
Environmental studies	
Chemistry in everyday life	

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
B.Sc. Polymer Chemistry	Choice Based Credit and Semester System

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the complementary courses of the UG in Physics, Plant Science and Zoology. Students of the department are free to choose any of the open courses offered by other departments.

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	1	1
Assistant Professors	5	5

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
P. Lukose Jose	Associate Professor (Retd. On 31/03/13)	M.Sc.	Pure Chemistry	32	N.A.
Malathy Rajagopal	Associate Professor (Retd. On 31/03/13)	M.Sc.	Inorganic Chemistry	30	N.A.
Dr. A. Muralidharan	Associate Professor (Retd. On 31/05/15)	M.Sc., Ph.D.	Organic Chemistry	32	7
V. Karunakaran	Associate Professor and HoD	M.Sc., M.Phil.	Pure Chemistry	31	N.A.
P. V. Deepthi	Assistant Professor	M.Sc., NET	Applied Chemistry	6	N.A.
N. G. Salini	Assistant Professor	M.Sc., B.Ed., NET	Pure Chemistry	6	N.A.
Dr. A. Mohanan	Assistant Professor	M.Sc., Ph.D.	Polymer Chemistry	3	1
P. Rajeesh	Assistant Professor	M.Sc., NET	Material Science	3	N.A.
Dr. K. Mangala	Assistant Professor	M.Sc., Ph.D.	Applied Chemistry	3	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

30% during academic year 2012-13.

13. Student teacher ratio (programme wise)

B.Sc. Plant Science	18:1
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14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Designation	Sanctioned	Filled
Lab Assistant	1	1

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
P. Lukose Jose (Retd.)	M.Sc.
Malathy Rajagopal (Retd.)	M.Sc.
Dr. A. Muralidharan (Retd.)	M.Sc, Ph.D.

Name	Qualification
V. Karunakaran	M.Sc., M.Phil.
P.V. Deepthi	M.Sc., NET
N.G. Salini	M.Sc., B.Ed., NET
Dr. A. Mohanan	M.Sc, Ph.D.
P. Rajeesh	M.Sc., NET
Dr. K. Mangala	M.Sc, Ph.D.

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received :

Project Type	No. of Faculties	Grants received	Status
National	2	Rs. 6,30,000	Completed: 1 Ongoing: 1
International funding agencies	Nil	NA	NA

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.:

Name of the principal investigator	Title	Funding agency	Grant amount	Status
Dr. A. Muralidharan	Synthesis of Some Ibuprofen Analogues Carrying 1, 2, 4 Triazole Moiety	UGC	Rs. 1,40,000	Completed
Dr. A. Mohanan	Synthesis and Characterization of Sodium Alginate/Gelatin Interpenetrating Polym eric Network Nano Composites	UGC	Rs. 4,90,000	Ongoing

18. Research centre/facility recognized by the University: Nil

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications				Number of publications in Conference Proceedings
	Regional/ State	National	International	Listed in International Database	
Dr. A. Muralidharan	-	-	10	-	-
P. V. Deepthi	-	-	-	-	1
N. G. Salini	-	-	-	-	2
Dr. A. Mohanan	-	2	1	-	2
P. Rajeesh	-	-	4	-	
Dr. K. Mangala	-	1	4	-	3

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Dr. A. Mohanan	-	-	1	-	-	-
Dr. K. Mangala	1	-	-	-	-	-

Details are given in Appendix Q.

20. Areas of consultancy and income generated: Nil

21. Faculty members in

- (a) National Committees: Nil
- (b) International Committees: Nil
- (c) Editorial boards: Nil

22. Student projects

- (a) Percentage of students who have done in-house projects including inter departmental/programme

Year	UG and PG Project (Mandatory)
2012	100
2013	100
2014	100
2015	100
2016	100

- (b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

23. Awards/Recognitions received by faculty and students

Achievements of students in NCC, NSS, fine arts and sports are given in Appendices K, L, Y, X.

24. List of eminent academicians and scientists/visitors to the department:

Sl. No.	Name	Designation	Date
1	Dr. Sujith	Assistant Professor, Chemistry, Payyanur College, Payyannur	04/02/13
2	Dr. Rajendra P.	Assistant Professor, Chemistry, Central University of Kerala	24/01/14
3	Dr. Vijesh	Assistant Professor, Chemistry, Payyanur College, Payyannur	06/02/15
4	Dr. Pradeepan Periyatt	Associate Professor, Chemistry, Central University of Kerala	29/01/16
5	Dr. Saktivel	Associate Professor & Head, Chemistry, Central University of Kerala	09/02/17

25. Seminars/Conference/Workshops organized and the source of funding

## (a) State/Regional Level

Sl. No.	Topic	Source of Funding	Date
1	Solid Waste Management A Sustainable Perspective	KSCSTE	10/10/2014
2	Exploring the Beauty of Science	Department of Chemistry, NASC	December 2013

## (b) National Level

Sl. No.	Topic	Source of Funding	Date
1	Polymers Plural Thoughts over the Boons and Bans	KSCSTE	06/02/2014 07/02/2014

## (c) International: Nil

## 26. Student profile programme/course wise:

B.Sc. Polymer Chemistry					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	402	30	3	27	96
2013-14	420	30	9	21	84
2014-15	455	29	3	26	96
2015-16	570	29	7	22	85

## 27. Diversity of students

B.Sc. Polymer Chemistry			
Academic Year	% of the students from the same state	% of the students from the other states	% of the students from abroad
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

- Number of students who have passed UGC-JRF/NET/GATE during the assessment period: 4
- Approximately more than 22 students have cleared NET/SLET/GATE since the inception of the Department.
- No. of students cleared competitive examinations of Defence services during the assessment period: 3
- Approximately 15 students cleared competitive examinations of Defence services so far

## 29. Student progression

Student Progression		Against % Enrolled
UG to PG		48
PG to M.Phil.		N.A.
PG to Ph.D.		N.A.
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	Nil
	Other than campus recruitment	25
Entrepreneurship/Self-employment		12

## 30. Details of Infrastructural facilities

(a) Library: 896 books, 2 journals. e-journals using N-LIST

(b) Internet facilities for Staff & Students

- Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre renovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
- Central Library is provided with high speed networking and WiFi facility

(c) Class rooms with ICT facility

A smart class room set up for final year UG students in 2013-14.

(d) Laboratories

- A full fledged laboratory with equipments and devices necessary for conducting UG programme including the mandatory project work. Muffle furnace, immersion pump, micro pipette etc. were purchased.
- Laboratory upgraded with facilities for carrying out minor research work also.

31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies: More than 75% of the students are getting financial assistance from various government agencies. Year wise details are provided in para 5.1.3.
- Scholarship from PTA: Details are given in para 5.1.2.
- Scholarship from Alumni: Details are given in para 5.1.2.
- Endowment: Details are given in para 5.1.2.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sl. No.	Topic	Source of funding	Collaboration	No. of Participants	Resource Persons	Papers Presented	Date
1	National seminar on Polymers-Plural Thoughts Over The Boons And Bans	KSCSTE	-	130	7	13	06/02/14-07/02/14
2	Regional seminar on Solid Waste Management A Sustainable Perspective	KSCSTE	Central University of Kerala and Swedeshi Science Movement Kerala	100	4	-	10/10/14
3	Science Exhibition - Fostering scientific temper	Department of Chemistry	Science Club N A S College	200	-	-	25/02/14
4	Demonstration - Exploring the beauty of Science	Department of Chemistry	Science Club N A S College	60	1	-	Dec 2013

### 33. Teaching methods adopted to improve student learning

- ICT
- Resource Sharing
- Wifi Connectivity
- Moodle
- Demonstration of experiments
- Industrial visit
- Group discussion
- Small projects
- Model Viva

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Encouraging participation in activities of
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club, nurture social responsibility
- Extending service and participation in extension activities through
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coaching Centre for SC/ST/OBC and Minorities, Health Club
- Staff members are active in

- Community services in association with Vayanasala(local library) and clubs like JCI, LIONS club etc.
- Analyzing water of nearby places.
- Detailed soil analysis of the neighborhood places.

35. SWOC analysis of the department and Future plans

**SWOC Analysis**

● **Strengths**

- Well qualified and experienced faculty
- Intake of Studious students
- PhD guide and researchers
- Excellent performance in University examinations
- Seminars/conferences/workshops for disseminations of knowledge
- Minor research and Project work
- Good laboratories
- Uninterrupted power supply using UPS and Generator
- Good number of Publications in peer reviewed journals/Books
- Strong alumni
- Excellent extension and outreach Programmes
- Active and creditable PTA support
- Smart classrooms for UG programmes
- Participation of students in NCC/NSS and various clubs for social enrichment
- Excellent participation in sports and arts
- Support for E-learning and interactive simulations based studies

● **Weakness**

- Not yet a research centre
- Lack of International Seminars
- Lack of linkage and collaborations with premier institutes
- No add-on Courses
- Lack of good Departmental library
- No interdisciplinary Programmes
- Less number of publications in peer viewed journals/Books
- No PG programmes
- No extension and outreach Programmes

● **Opportunities**

- Linkage and collaborations with Institutions like Central University of Kerala, Agricultural College, CPCRI
- Young, dynamic and highly talented teachers for guidance in Projects/Research
- Upgradation into a Research center
- E-learning and



interactive simulations base studies using unlimited high speed broadband internet and Wifi facilities

● **Challenges**

- Lack of placement opportunities after completion of UG programmes
- Unable to attract students both from South-Kerala and outside Kerala
- Fall in the number of male enrolment in UG programmes
- Tight schedul

e of semester system

**Future Plans**

- Plan of action of the department for the next five years
- To upgrade the department as a Research Centre in Chemistry of Kannur University
- To pursue our effort to begin M.Sc course in Polymer Chemistry.
- To conduct a National Seminar on Recent Advances in Chemistry.
- To strengthen the departmental Alumni Association.
- To conduct more Major research Project.
- To conduct international seminars
- To extend facilities of our laboratory for soil testing, food adulteration testing etc., for the neighborhood people to use.
- To conduct more number of personality and soft skill development classes for the UG students.
- To use more Chemistry Software in the process of our teaching and learning.
- To subscribe more Chemistry journals in the department.
- To bring in Experts from academic/industry to have a face to face interaction with students on regular basis
- To raise a Poor Aid Fund in the department to help economically weaker students of the department.

## Post Graduate Department of Commerce

1. Name of the Department: Department of Commerce

2. Year of Establishment: 1975

3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B.Com
UG	Open Course (Commerce)
PG	M.Com

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Basic Accounting Insurance and Risk Management	Open to all nine departments

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
B.Com.	Choice Based Credit and Semester System
M.Com.	Credit and Semester System

6. Participation of the department in the courses offered by other departments:

Students of the department are free to choose any of the open courses offered by other departments. Training was given to students in “Entrepreneurship and Marketing” through the marketing of products produced by the students of Botany department as part of their curriculum in the event of “Expo Commercio”.

7. Courses in collaboration with other universities, industries, foreign institutions etc.:

Department signed MOA with Anglo Academy Kanhangad (communicative English coaching centre) for starting an evening batch in the department for improving the communication skill among the students.

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	1	1
Assistant Professors	3	3
Guest Lecturers	4 (to be sanctioned)	4

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Purushothaman V. V.	Associate Professor & HoD	M.Com., MBA	Finance	24	N.A.
P. V. Jisha	Assistant Professor	M.Com., NET	Finance	7	N.A.
V. Vijayakumar	Assistant Professor	M.Com., M.Phil., PGDTHM, NET, B.Ed.	Marketing	5	N.A.
A. Sabitha	Assistant Professor	M.Com., NET	Finance	4	N.A.
K. Ramya	Guest Lecturer	M.Com., NET	Finance	4	N.A.
Pankaj Ayikkomath	Guest Lecturer	M.Com., M.Ed., MBA, NET	Finance	4	N.A.
K. P. Aparna	Guest Lecturer	M.Com., B.Ed., NET	Finance	4	N.A.
K. Prasanth	Guest Lecturer	M.Com., NET	Finance	4	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

- 80% for M.Com.
- 45% for B.Com.

13. Student teacher ratio (programme wise)

B.Com.	36:1
M.Com.	8:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Purushothaman. V. V	M.Com., MBA
P. V. Jisha	M.Com., NET
V. Vijayakumar	M.Com., M.Phil., PGDTHM, NET, B.Ed.
A. Sabitha	M.Com., NET
K. Ramya	M.Com., NET
Pankaj Ayikkomath	M.Com., M.Ed., MBA, NET
K. P. Aparna	M.Com., B.Ed., NET
K. Prasanth	M.Com., NET

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received :

Project Type	No. of Faculties	Grants received	Status
National	1	Rs. 55,000	Ongoing
International funding agencies	Nil	NA	NA

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.:

Name of the principal investigator	Title	Funding agency	Grant amount	Status
V. Vijayakumar	Interstate Migration and Growth of Construction Industries on Inference from Kasaragod District	UGC	Rs. 55,000	Ongoing

18. Research centre/facility recognized by the University: Nil

19. Publications: Nil

20. Areas of consultancy and income generated:

Area of Consultancy	Institution/ Industry/ Individuals	Income Generated
Marketing and Entrepreneurship	Kannur University Students Union	Rs. 50,000
Marketing and Entrepreneurship	Department of Botany, NASC Kanhangad	Rs. 20,000
Marketing and Entrepreneurship	Organizing Committee, Agricultural Expo, College of Agriculture, Padnekat	Rs. 10,000
Income/Sales Tax	Income-Service-Sales Tax payees of the surrounding area and the college	Free of cost
Marketing and Entrepreneurship	CBSE - State level Taekwondo Championship	Rs. 10,000

21. Faculty members in

- (a) National Committees: Nil
- (b) International Committees: Nil
- (c) Editorial boards: Nil

22. Student projects

- (a) Percentage of students who have done in-house projects including inter departmental/programme

Year	UG and PG Project (Mandatory)
2012	100

Year	UG and PG Project (Mandatory)
2013	100
2014	100
2015	100
2016	100

(b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

23. Awards/Recognitions received by faculty and students

- Faculty
  - V. Vijayakumar selected as FLAIR faculty member
  - V. Vijayakumar recognized as Certified Financial Education Resource Person by SEBI
- Students
  - University Ranks

Sl. No.	Course	Year	Name	Rank
1	B.Com	2012	Sumayya	II
2	B.Com	2014	Aparna K.	I
3	B.Com	2015	Aiswarya	I
4	M.Com	2015	Ramya B.	II

– NCC

Name	Year	Recognition	Venue
Maneesh	2015	Selected for National Integration Camp and attended	Jnana Ganga Campus, Gulbarga University, Kalburgi, Karnataka
Shyamprasad	2016	Selected for NCC National Games Camp and attended	Delhi
Hrishikesh	2016	Selected for National Integration Camp and attended	Bhuvanesar Campus

Achievements of students in NCC, NSS, fine arts and sports are given in Appendices K, L, Y, X.

24. List of eminent academicians and scientists/visitors to the department: Nil

25. Seminars/Conference/Workshops organized and the source of funding: Nil

26. Student profile programme/course wise:

B.Com.					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	1432	60	27	33	92
2013-14	1456	60	22	38	97
2014-15	1658	58	15	43	100
2015-16	2699	56	17	39	93

M.Com.					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	-	-	-	-	-
2013-14	-	-	-	-	-
2014-15	120	18	3	15	89
2015-16	155	20	2	18	90

27. Diversity of students

B.Com.			
Academic Year	% of the students from the same state	% of the students from the other states	% of the students from abroad
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

- Number of students who have passed UGC NET during the assessment period: 14
- Approximately more than 37 students have cleared NET/SLET/Civil Services since the inception of the Department (UG and PG).
- No. of students cleared competitive examinations of Defence services during the assessment period: 10.
- Approximately 40 students cleared competitive examinations of Defence services so far.

29. Student progression

Student Progression		Against % Enrolled
UG to PG		70
PG to M.Phil.		1
PG to Ph.D.		1
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	18
	Other than campus recruitment	100
Entrepreneurship/Self-employment		15

30. Details of Infrastructural facilities

(a) Library: 1322 books, 6 Journals. e-journals using N-LIST

(b) Internet facilities for Staff & Students

- Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre rennovated into a Conference Hall cum Computer Centre with high speed networking and WiFi

- Central Library is provided with high speed networking and WiFi facility
- (c) Class rooms with ICT facility

Three smart class rooms set up for PG and final year UG programmes in 2013-14.

- (d) Laboratories

- A computer laboratory equipped with five computers, one laptop and one notebook set up for PG students in 2013-14.
- Uninterrupted power supply is ensured with a 3 KV UPS implemented in 2014.
- Full fledged college computer centre with 60 seating capacity is available for both UG and PG students.

31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies

Number of Students who have received scholarships

Year	I B.Com.	II B.Com.	III B.Com.	M.Com.
2012-13	13	12	10	-
2013-14	12	12	13	-
2014-15	14	14	14	6
2015-16	15	13	15	5

- Scholarship from PTA

Number of Students who have received scholarships

Year	I B.Com.	II B.Com.	III B.Com.	M.Com.
2012-13	5	5	3	-
2013-14	5	4	3	-
2014-15	4	3	5	3
2015-16	3	13	15	3

- Scholarship from Alumni

- Every year two scholarship instituted by alumni of the department for the topper in Accounting paper and topper in M.Com.
- Alumni Scholarship instituted by Alumni Associations of the college academically outstanding economically poor students from each one of the I, II, III Year Degree Classes.
- Three students in the department received alumni medals instituted by alumni of the college. (Aparna K. 2014, Aiswarya 2015, Remya B. M.Com.).

- Endowment

- C. K. Nair Memorial Endowment Topper in commerce.
- Sri. K. Jayakumar endowment scholarship instituted by NASCA UAE chapter to the highest mark scorer in commerce.

- Donations

- Reserve Bank of India Donated books worth Rs.15,000 to the department.

- Alumni: Alumni of the department contributed Rs. 20,000 for giving financial assistances to the students of our department for the treatment of their parents and relatives.
- Department: A mutual aid fund is constituted for the benefit of financially backward students. Financial assistances were given for the treatment of parents and family members of students from this fund.
- E-Grants
  - 90% of students in all degree classes and PG Students are eligible to receive-Grants from the Government.
  - Received grants from industrial department for running E.D club of our departments of Rs.6,000.

#### 32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

- An awareness programme conducted in association with RBI (Reserve Bank of India) on currency related issues.
- In association with Securities and Exchange Board of India (SEBI) number of financial literacy programmes are conducting by the department to various sections of the society.
- Content enrichment in Marketing and Entrepreneurship was given through “EXPO COMMERCIO” in collaboration with the ED club of the college in 2014
- Commerce reality show
- Photography Competition
- Photographs of real object or event related to commerce subject and its importance were collected for materializing a commerce photo gallery.
- “APJ’s hour”
- PG to UG knowledge sharing programme - one hour in every week inspired by the famous quote of former president Dr. APJ Abdul Kalam “if you want to shine like sun first burn like a sun”.

#### 33. Teaching methods adopted to improve student learning

- Role Play for teaching the management subjects  
e.g. Conducted a model interview programme for teaching selection procedures in HRM subject.
- Documentary Making  
e.g. Using smartphone, students of degree classes made documentary called vivier-relating to the problem and prospect of women entrepreneurship in Kasaragod District
- Coffee Day Discussion Enrichment of the students in recent trends in the subject through weekend discussions are held between PG students and teachers.
- Experience sharing of experienced entrepreneurs from the alumni and students.

#### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

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- A financial literacy programme for SC/ST minorities in Harijan colony Kannothe, Iriya, Kasaragod district on 10/03/2016 and Priyadharshini Club Vidiyal, Am-balathara on 15/03/2016.
- Ten financial literacy programmes for kudumbasree members in the district in as-sociation with SEBI.
- E-literacy programme for Kudumbasree members for improving the knowledge in using electronic media.
- Guidance and financial support given to selected small industrial units from differ-ent parts of district.
- Free coaching given to M.Com. graduates of Kasaragod and Kannur district
- Faculty served as
  - Presiding Officer for General Election to Loksabha, Kerala SLA and Kerala LSG
  - Resource person in training programme for Presiding and Polling Officers con-ducted by Election Commission of India
  - Chief Superintendent of Kerala PSC Examination
- “Medallos affair” three months direct awareness programme on cashless economy to alleviate the troubles of demonetisation policy, the department designs a unique and distinguished programme for imparting knowledge relating cashless transactions and digital money. As a part of this programme department organizes;
  - Direct awareness programme at Moolakkandam SC/ST colony which is the largest tribal colony in the district, on 15/01/17 programme formally inaugu-rated by Dr. G. Gopakumar (Vice-Chancellor, Central University, Kerala)
  - In connections with this programme, one day workshop on familiarising the usage of digital money conducted inside the campus for faculty members and other staffs on 12/01/17.
  - A direct campaign conducted in association with SBI group for promoting the use of online service of SBI among faculties and students (the college is fully banked by SBI group)
- Encouraging participation in activities of
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club.
- Extending service and participation in extension activities through
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coach-ing Centre for SC/ST/OBC and Minorities, Health Club.

### 35. SWOC analysis of the department and Future plans

#### **SWOC Analysis**

- **Strengths**
    - Well qualified and experienced faculty
    - Intake of Studious students
    - Excellent number of NET/SET holders
-

- Excellent performance in University examinations
- Seminars/conferences/workshops for disseminations of knowledge
- Computer Laboratories for PG Programmes
- Uninterrupted power supply using UPS/inverter
- Excellent extension and outreach Programmes
- Commendable Alumni support
- Active and creditable PTA support
- Smart classrooms for UG and PG programmes
- Participation of students in NCC/NSS and various clubs for social enrichment
- Excellent participation in sports and arts
- Support for E-learning based studies
- **Weakness**
  - Not yet a research centre
  - Lack of good number national Seminars
  - Lack of linkage and collaborations with premier institutes
  - No add-on Courses
  - No research guides
- **Opportunities**
  - Linkage and collaborations with Institutions
  - Young, dynamic and highly talented teachers for guidance in Projects/Research
  - Upgradation into a Research center
  - E-learning using unlimited high speed broadband internet and Wifi facilities
- **Challenges**
  - Refraining from higher studies by a major portion of girl students after PG programmes
  - Tight schedule of semester system

The following are the list of future Academic programme of the department

- **Tribal Fest**
  - Tribal fest is one of the highlighted extension programmes of the department, the programme is organized by inviting tribal group from all over the state arranging stall inside the campus and taught them how to market their tribal products.
- **Work Shop for Kudumbasree:**
  - Programme arranged for the selected kudumbasree members from the Kasaragod District in the area of E-Literacy and marketing skill.
- **Banking Quiz for Bank Employees**
- **Soft Skill, Communication Skill Development Programme**
  - The programme is offered only for selected group of students in the department, it is organized jointly by the department and Spoken English training centre ,total estimated cost of the programme for 30 students

- Photography Competition For Commerce Students of Other Institution.
- Extension Activities - Ornamental Fish Farming
  - For boosting the entrepreneurial traits among the students of the department, coaching classes of ornamental fish farming and mushroom farming will be arranged in the department and through this we plan to start up units of ornamental fish and mushroom in collaboration with interested students in their area.
- Mushroom farming-self employment programme
- Commerce -Reality Show for plus two students
- State, regional level seminar
  - Goods and Service Tax-its effect on necessities.(state level) Green Marketing Strategiesthe way forward (State level )
  - Merger of SBT SBI, Kerala contextual view (Regional level)
- All the teachers in the department have longingness to do research in their own specialized area and they identified their respective area of research. Department had a vision to make it one of the unique centers for research and advanced in commerce in Kannur university

## Department of Computer Science

1. Name of the Department: Department of Computer Science
2. Year of Establishment: 2001
3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B.Sc. Computer Science (Complementary and Open)

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Web Technology	Open to all nine departments

5. Annual/Semester/choice based credit system (programme wise): NA
6. Participation of the department in the courses offered by other departments:  
Faculty of the department handle the complementary course of the B.Sc. Mathematics and B.Sc. Statistics and open course.
7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Assistant Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Mithun A. V.	Assistant Professor & In-Charge	M.Tech., NET	Computer Science	3	N.A.

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:
  - 50% during the period 2012-13

13. Student teacher ratio (programme wise): N.A.
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil
15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Mithun A. V.	M.Tech., NET

16. Number of faculty with ongoing projects from a) national and b)international funding agency and grants received : Nil
17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.: Nil
18. Research centre/facility recognized by the University: N.A.
19. Publications: Nil
20. Areas of consultancy and income generated: Nil
21. Faculty members in
- (a) National Committees: Nil
- (b) International Committees: Nil
- (c) Editorial boards: 1
- Mithun A. V.
    - Editorial Board Member - Proceeding of UGC Sponsored National Seminar on “New Trends in Analysis” organized by the Department of Mathematics, Nehru Arts & Science College Kanhangad
    - Editorial Board Member - Multidisciplinary journal “Academia”, Published by Nehru Arts & Science College Kanhangad
22. Student projects: N.A.
23. Awards/Recognitions received by faculty and students:

- **Faculty**

- Mithun. A. V: MOOC certifications in,
  - \* “Introduction to Computer Science and Programming using Python” conducted by Massachusetts Institute of Technology in January 2014
  - \* “Introduction to Logic” conducted by Stanford University in December 2013
  - \* “Computer Networks’ conducted by University of Washington in October 2013
  - \* “Algorithms: Design and Analysis, Part 1” conducted by Stanford University in August 2013

24. List of eminent academicians and scientists/visitors to the department: Nil

25. Seminars/Conference/Workshops organized and the source of funding: Nil
26. Student profile programme/course wise: N.A.
27. Diversity of students: N.A.
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?: N.A.
29. Student progression: N.A.
30. Details of Infrastructural facilities
  - (a) Library: 797 books, 3 Journals, e-journals using N-LIST
  - (b) Internet facilities for Staff & Students
    - Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
    - Existing College Computer Centre renovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
    - Central Library is provided with high speed networking and WiFi facility
  - (c) A new 5kV UPS was purchased for the Computer Center. Introduced structured cabling with high speed internet connection. Students avail these facilities for their project and other learning activities.
31. Number of students receiving financial assistance from college, University, government or other agencies: N.A.
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil
33. Teaching methods adopted to improve student learning
  - ICT based teaching using LCD projector
  - Assignments
  - Seminars
  - Presentation
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
  - Faculty serveds
    - Presiding Officer for General Election to Loksabha, Kerala SLA and Kerala LSG.
    - Counting Supervisor for General Election to Kerala LSG.
    - Convener of National Mission on Education through Information and Communication Technology.
    - Coordinator - All India Survey on Higher Education By MHRD, Govt. of India To portray the status of higher education in the country, Ministry of Human Resource.

- Subject expert for Interview for Contract Teachers appointment 2014 at Jawahar Navodaya Vidyalaya, Kasaragod on 19th May 2014.
- Coordinator - Spoken Tutorial Programme by IIT Bombay

35. SWOC analysis of the department and Future plans

**SWOC Analysis**

● **Strengths**

- Well qualified faculty
- Excellent performance in University examinations
- Centralised Computer Laboratory
- Uninterrupted power supply using UPS/inverter
- Support for E-learning and interactive simulations based studies

● **Weakness**

- Lack of national seminars
- Lack of good Departmental library
- No interdisciplinary programmes
- No UG programmes
- No extension and outreach programmes

● **Opportunities**

- Young, dynamic and highly talented faculty for guidance in Projects/Research
- Commencement of under-graduate programme
- E-learning and interactive simulations based studies using unlimited high speed broadband internet and Wifi facilities

● **Challenges**

- Tight schedule of semester system

The following are the list of future Academic programme of the department

- Starting a new undergraduate course in Computer Science.
- Conduct a one day workshop on Latex.
- Upgradation of the Computer Centre.

## Department of Economics

1. Name of the Department: Department of Economics

2. Year of Establishment: 1968

3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B. A. Economics (Core)
UG	B. A. Economics (Complementary and Open)

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Basic Econometric Analysis	Department of Statistics
Research Methodology	
Travel and Tourism	Open to all the nine departments
Health Economics	

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
B.A. Economics	Choice Based Credit and Semester System

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the complementary courses of the B.A. History programme. Students of the department are free to choose any of the open courses offered by other departments.

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	1	1
Assistant Professors	2	2*

\*A guest lecturer has been appointed from 03.01.2017 onwards

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)



Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Dr. A. Ashokan	Associate Professor & HoD	M.A. , M.Phil., Ph.D.	Health Economics, Development Issues, Educational Governance, Social Exclusion and Marginalised Communities	22	2
Retheesh P. K.	Assistant Professor	M.A., B.Ed., NET, SET	Environmental Economics , Social Exclusion	5	N.A.
M. Anoopkumar	Assistant Professor (Relieved with effect from 01.11.2016)	M.A., NET, M.Phil.	Public Finance, Agriculture Economics	5	N.A.
Bijesh V.	Guest Lecturer	M.A., M.Phil., B.Ed., NET	Micro Economics	4	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

27% during academic year 2012-13.

13. Student teacher ratio (programme wise)

B.A. Economics	30:1
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14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Dr. A. Ashokan	M.A., M.Phil., Ph.D.
P. K. Retheesh	M.A., B.Ed., NET, SET
M. Anoopkumar	M.A., NET, M.Phil.
Bijesh V.	M.A., M.Phil., B.Ed., NET

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received :

Project Type	No. of Faculties	Grants received	Status	Funding Agency
National	2	Rs. 2,00,000	Completed: 2	UGC
National	1	Rs. 1,00,000	Completed: 1	CDS

Project Type	No. of Faculties	Grants received	Status	Funding Agency
International funding agencies	Nil	N.A.	N.A.	N.A.

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.:

Name of the principal investigator	Title	Funding agency	Grant amount	Status
P. K. Rethesh	Exclusion in Higher Education among Scheduled Tribes : Evidences from Kasaragod District of Kerala	UGC	Rs. 1,00,000	Completed
M. Anoopkumar	Growing Gap between Revenue and Expenditure - An Analysis with reference to Urban Local bodies in Kasaragod district of Kerala	UGC	Rs. 1,00,000	Completed
M. Anoopkumar	Commodity price Instability Under Globalization in India	CDS	Rs. 1,00,000	Completed

18. Research centre/facility recognized by the University: Nil

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications				Number of publications in Conference Proceedings
	Regional/ State	National	International	Listed in International Database	
Dr. A. Ashokan	-	4	-	-	-
P. K. Rethesh	-	1	-	-	-
M. Anoopkumar	-	4	-	-	-
Bijesh V.	-	-	-	-	1

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Dr. A. Ashokan	-	-	-	1	2	-

Details are given in Appendix Q.

20. Areas of consultancy and income generated:

Area of Consultancy	Institution/ Industry/ Individuals	Income Generated
Income Tax	Income Tax payees of the surrounding area and the college	Free of cost

Area of Consultancy	Institution/ Industry/ Individuals	Income Generated
Planning and local level development	Institution/industry/individuals of the surrounding area	Free of cost

## 21. Faculty members in

(a) National Committees:

Name	Position	Committee
P. K. Rethesh	Life Member	Indian Economic Association
M. Anoopkumar	Life Member	Indian Economic Association

(b) International Committees: Nil

(c) Editorial boards:

Name	Position	Committee
Dr. A. Ashokan	Editor	"Reflections", The First Annual Conference Souvenir of Kerala Economic Association, May 2015
Dr. A. Ashokan	Editor	Kerala Economy in Retrospect and Prospect, (ed. 2016) (Kerala Economic Association, Thiruvananthapuram)

(d) State Level

- Dr. A. Ashokan - Member, Tribal Sub-Plan working Group, Kasaragod District Panchayat.
- Dr. A. Ashokan - Life Member and Joint Secretary, Kerala Economic Association (A Professional Academic Body)
- P. K. Rethesh - Life member, Kerala Economic Association

## 22. Student projects

(a) Percentage of students who have done in-house projects including inter departmental/programme

Year	UG Project (Mandatory)
2012	100
2013	100
2014	100
2015	100
2016	100

(b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

## 23. Awards/Recognitions received by faculty and students

- Faculty
  - P K Rethesh received K N Raj fellowship from CDS, sponsored by Government of Kerala in 2014
  - M Anoopkumar received K N Raj fellowship from CDS, sponsored by Government of Kerala in 2015

- Students
  - NCC UO (Vijayakumar V.), Campus Election Ambassador (Vijayakumar V.)
  - (University Ranks/NCC/NSS/Arts/Sports etc.) 2014

Achievements of students in NCC, NSS, fine arts and sports are given in Appendices K, L, Y, X.

24. List of eminent academicians and scientists/visitors to the department:

25. Seminars/Conference/Workshops organized and the source of funding

- (a) State/Regional Level: Nil  
(b) National Level

Sl. No.	Topic	Source of Funding	Date
1	Economics of Climate Change: Understanding the Linkage between Economy and Ecology	UGC	18/09/14, 23/09/14- 24/09/14

- (c) International: Nil

26. Student profile programme/course wise:

B.A. Economics					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	1302	50	3	27	80
2013-14	1526	50	9	21	81
2014-15	1705	50	3	26	93
2015-16	2087	50	7	22	87

27. Diversity of students

B.Sc. Polymer Chemistry			
Academic Year	% of the students from the same state	% of the students from the other states	% of the students from abroad
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

- Number of students who have passed UGC-JRF/NET/GATE during the assessment period: 2
- Approximately more than 16 students have cleared NET/SLET/GATE since the inception of the Department.

- No. of students cleared competitive examinations of Defence services during the assessment period: 6
- Approximately 29 students cleared competitive examinations of Defence services so far

## 29. Student progression

Student Progression		Against % Enrolled
UG to PG		20
PG to M.Phil.		N.A.
PG to Ph.D.		N.A.
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	5
	Other than campus recruitment	35
Entrepreneurship/Self-employment		20

## 30. Details of Infrastructural facilities

(a) Library: 2117 books, 3 Journals. e-journals using N-LIST

(b) Internet facilities for Staff & Students

- Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre renovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
- Central Library is provided with high speed networking and WiFi facility

(c) Class rooms with ICT facility

A smart class room set up for final year UG students in 2013-14.

(d) Laboratories

- A small computer laboratory set up in the department for students in 2013-14.
- Full fledged college computer centre with 60 seating capacity is available for UG students.

31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies: More than 75% of the students are getting financial assistance from various government agencies. Year wise details are provided in para 5.1.3.
- Scholarship from PTA: Details are given in para 5.1.2.
- Scholarship from Alumni: Details are given in para 5.1.2.
- Endowment: Details are given in para 5.1.2.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning

- Project work

- Assignment
- Viva- voce after every module
- Seminar
- ICT enabled teaching
- Field trip
- Group discussion

#### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Dr. A. Ashokan
  - Member, Tribal Sub-Plan working Group, Kasaragod District Panchayat.
  - Participated in the Plan Implementation, State Level Training at Kerala Institute of Local Administration KILA
  - Presiding Officer for General Elections to Lokh Sabha, Kerala State Legislative Assembly, and Kerala Local Self Government Institutions for various years.
  - Counting Supervisor for General Election to the Kerala Local Self Government Institutions November 7, 2015
  - Life Member and Joint Secretary, Kerala Economic Association (A Professional Academic Body)
- P K Rethesh
  - Resource person for coaching classes for NET and SET Examination organized by the Department of Economics in Association with college Alumni Association
  - Coordinator of the UGC Entry in Service for SC/ ST and OBC Programme during 2014-16
  - Resource person in Economics for Distance Education , Kannur University from 2012 onwards
  - Prepared Study material for Distance Education, Kannur University in 2014
  - Observer for the AIPMT NEET Examination from 2012 onwards
  - Presiding Officer for General Elections to Lokh Sabha, Kerala State Legislative Assembly, and Kerala Local Self Government Institutions for various years
  - Life member of Indian Economic Association
  - Life Member of Kerala Economic Association
- M Anoopkumar
  - Mentor for Acquire Scholarship Programme instituted for the Degree students by the Department of Higher Education, Government of Kerala from 2012 onwards
  - Nodal Officer, Online Scholarship Cell for Various Scholarships instituted by the Directorate of Collegiate Education and Kerala State Higher Education Council, Government of Kerala from 2012 onwards
  - Research Associate for Research Unit on Local Self Governments (RULSG), Centre for Development Studies, Trivandrum from January 1 to July 31, 2009

- Selection Board Member, National Youth Corps, Ministry of Youth Affairs and Sports, Govt of India (held at Nehru Yuvakendra, Kasaragod on 29th May, 2015)
- NSS Programme Officer, Nehru Arts and Science College, Kanhangad from October, 2014
- Faculty are encouraging participation in activities of
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club, nurture social responsibility
- Faculty are extending service and participation in extension activities through
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coaching Centre for SC/ST/OBC and Minorities, Health Club

### 35. SWOC analysis of the department and Future plans

#### **SWOC Analysis**

##### ● **Strengths**

- Well qualified and experienced faculty
- PhD guide and researchers
- Excellent performance in University examinations
- National seminars/conferences/workshops for disseminations of knowledge
- Minor research and Project work
- Good number of Publications in peer reviewed journals/Books
- Extension and outreach Programmes
- Active and creditable PTA support
- Smart classroom for UG programmes
- Participation of students in NCC/NSS and various clubs for social enrichment
- Excellent participation in sports and arts
- Support for E-learning based studies

##### ● **Weakness**

- Lack of International Seminars
- No add-on Courses
- Lack of good Departmental library
- No interdisciplinary Programmes
- No PG programmes

##### ● **Opportunities**

- Linkage and collaborations with Institutions like Central University of Kerala
- Young, dynamic and highly talented teachers for guidance in Projects/Research
- Commencement of Post-Graduate Programmes
- E-learning using unlimited high speed broadband internet and Wifi facilities

##### ● **Challenges**

- Lack of placement opportunities after completion of UG programmes
-

- Refraining from higher studies by a major portion of girl students after UG programmes
- Unable to attract students both from south-Kerala and outside Kerala
- Tight schedule of semester system

**Future Plans**

- To convert the department into a Post Graduate Department in the near future and subsequently into a research centre in Economics
- To bring the Department in the network of other renowned institutions in Kerala (We have already embarked on signing MoU with various renowned institutes in the state on Academic Exchange Programmes)



## Post Graduate Department of English

1. Name of the Department: Department of English

2. Year of Establishment: 1968

3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B.A./B.Sc./B.Com. (Common Course)
PG	M.A. English Language and Literature

4. Names of interdisciplinary courses and the departments/units involved: Nil

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
M.A. English Language and Literature	Credit and Semester System

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the common course of all the ten UG Programmes.

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Assistant Professors	7	7*
Junior Lecturers	1	1

\*A guest lecturer has been appointed from 03/01/17 onwards

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Vidya M.	Junior Lecturer in charge of HoD	M.A., M.Phil., B.Ed.	Afro- American Literature	19	N.A.
Shayini O.	Assistant Professor	M.A., NET	Narrotology	6	N.A.
Anjaly Nair	Assistant Professor	M.A., NET	Post Colonialism	6	N.A.

6. POST GRADUATE DEPARTMENT OF ENGLISH

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Namratha Manoharan	Assistant Professor	M.A., NET	Trauma Theory	6	N.A.
Biju N. C.	Assistant Professor	M.A., NET	Critical Theory & Film Theory	6	N.A.
Sithara P. M.	Assistant Professor	M.A., NET	Women studies	3	N.A.
Rukhaya M. K.	Assistant Professor	M.A., M.Phil., NET	American Literature	3	N.A.
Indulekha K. R.	Assistant Professor	M.A., M.Phil., B.Ed., NET	English Language Teaching	3	N.A.
Rasna M. V.	Guest Lecturer	M.A.	Critical Theory	-	N.A.
Vidya Sooraj	Guest Lecturer	M.A.	Film Studies	-	N.A.
Nayana Narayanan	Guest Lecturer	M.A.	Indian Writing in English	-	N.A.
Sandhya P.	Guest Lecturer	M.A.	American Literature	-	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

10% during the past 2 years.

13. Student teacher ratio (programme wise)

M.A. English	8:1
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14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Vidya M.	M.A., M.Phil., B.Ed.
Shayini O.	M.A., NET
Anjaly Nair	M.A., NET
Namratha Manoharan	M.A., NET
Biju N. C.	M.A., NET
Sithara P. M.	M.A., NET
Rukhaya M. K.	M.A., M.Phil., NET
Indulekha K. R.	M.A., M.Phil., B.Ed., NET

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received:

6. POST GRADUATE DEPARTMENT OF ENGLISH

Project Type	No. of Faculties	Grants received	Status	Funding Agency
National	2	Rs. 2,10,000	Ongoing: 2	UGC
International funding agencies	Nil	N.A.	N.A.	N.A.

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.:

Name of the principal investigator	Title	Funding agency	Grant amount	Status
Namratha Manoharan	Enhancing the second Language and Soft Skill Proficiency of High School Students by Incorporating an Innovative Teaching Learning Pedagogy	UGC	Rs. 80,000	Ongoing
Biju N. C.	Communicative Competence and Language Proficiency Acquisition Programme	UGC	Rs. 1,30,000	Ongoing

18. Research centre/facility recognized by the University: Nil

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications				Number of publications in Conference Proceedings
	Regional/ State	National	International	Listed in International Database	
O. Shayini	-	-	1	-	-
Namratha Manoharan	-	1	-	-	-
N. C. Biju	-	1	-	-	-
P. M. Sithara	-	3	-	-	-
M. K. Rukhaya	-	1	27	-	-
K. R. Indulekha	1	2	3	-	2

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
M. Vidya	-	-	-	1	-	-
P. M. Sithara	-	-	-	1	-	-
M. K. Rukhaya	-	-	-	1	1	-
K. R. Indulekha	-	-	1	1	1	-

Details are given in Appendix Q.

20. Areas of consultancy and income generated: Nil

## 21. Faculty members in

- (a) National Committees: Nil
- (b) International Committees: Nil
- (c) Editorial boards: Nil
- (d) State Level: Nil

## 22. Student projects

- (a) Percentage of students who have done in-house projects including inter departmental/programme

Year	PG Project (Mandatory)
2012	100
2013	100
2014	100
2015	100
2016	100

- (b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

## 23. Awards/Recognitions received by faculty and students

- Faculty

- M. K. Rukhaya Won the first prize for versification at the international level in a competition conducted by Ekphrasis(2012).
- The short story “Beyond the Horizon” by M. K. Rukhaya was selected as one of the winning stories in the Women’s Domination Short Story Writing competition organized by The Forgotten Writers’ Foundation, Egypt in which 19 countries took part(2013).
- M. K. Rukhaya Won the Reuel International Prize for Criticism 2016 for being the most promising upcoming critic.
- The story “Beyond the Horizon” by M. K. Rukhaya won the third prize at the national level in the story writing competition conducted by Storymirror.com amongst 5216 entries(2015).

- Students

- **University Ranks**

Name	Recognition/achievement	Year
Shobhini P. G.	2 <sup>nd</sup> Rank	2013-14

- **Fine Arts and Literature**

Name	Recognition/achievement	Year
Navya P. K.	First in Script Writing English documentary, Kannur University	2012-14
Navya P. K.	First in essay writing competition, Chinmaya Arts and Science College, Kannur	2012-14

Achievements of students in NCC, NSS, fine arts and sports are given in Appendices K, L, Y, X.

## 24. List of eminent academicians and scientists/visitors to the department:

Sl. No.	Name	Designation	Date
1	R. Surendran	Chair, Ghandhian studies, Calicut University	04/02/14
2	Dr. N. Sajan	Associate Professor & HOD English, S. N. College, Kannur	13/03/14
3	Dr. Francis O.	Assistant Professor of English, Krishna Menon Memorial Govt. Womens College Kannur	17/02/14
4	Shaiju K. C.	Assistant Professor of English, Govt. Brennen Collge Thalassery	14/08/14
5	Avocate Alice Krishnan	Adv. Hosdurg Bar	05/11/14
6	Prof. Z. N. Patel	Associate Professor of English, The English and Foreign Language University, Hyderabad	30/12/15
7	Sijo Thomas	Sofskill Trainer	01/09/16
8	Sreejith Paleri	Malayalam Television Serial Director	17/02/16
9	Muhammed Rasi	Art director for films	04/10/16
10	Dr. G. Gopakumar	V. C. Central University of Kerala	14/11/16
11	Dr. Joseph Koyipally	Associate Professor of English and Comparative Literature, central university of kerala	03/03/17
12	Dr. Ifthikar Ahmed B.	Assistant Professor of English, Central University of Kerala	16/03/17

## 25. Seminars/Conference/Workshops organized and the source of funding

## (a) State/Regional Level

Sl. No.	Topic	Source of Funding	Date
1	Use of Profane humour in Art as a counter Discourse : An inter disciplinary inquiry	PTA and College Management	13.03.2014
2	Dissertation Writing :Scope for interdisciplinary Research	PTA and College Management	14.08.2014
3	A Tryst with research	PTA and College Management	14.08.2014
4	Womens Rights and Laws: Objectives and perspectives	PTA and College Management	05.11.2014
5	Developing communication Skills	PTA and College Management	30.12.2015
6	Life skills and woman empowerment	PTA and College Management	01.09.2016
7	Seminar on Personality Development "How to face interviews"	PTA and College Management	24.01.2014
8	"Silver Screen Carnival" Film Festival	PTA and College Management	17.02.2016

## (b) National Level

Sl. No.	Topic	Source of Funding	Date
1	Cinema Paradiso	Management, department staff and students of NASC Kanhangad	03.10.2016 04.10.2016

(c) International: Nil

26. Student profile programme/course wise:

M.A. English					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	141	20	3	17	100
2013-14	175	20	2	18	93
2014-15	180	20	3	18	95
2015-16	220	20	7	17	85

27. Diversity of students

M.A. English			
Academic Year	% of the students from the same state	% of the students from the other states	% of the students from abroad
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

- Number of students who have passed UGC NET during the assessment period: 3
- Approximately more than 12 students have cleared NET/SLET/GATE since the inception of the Department.

29. Student progression

Student Progression		Against % Enrolled
UG to PG		N.A.
PG to M.Phil.		-
PG to Ph.D.		5
Ph.D. to Post Doctoral		-
Employed	Campus selection	-
	Other than campus recruitment	25
Entrepreneurship/Self-employment		10

30. Details of Infrastructural facilities

(a) Library: 3871 books, 5 Journals. e-journals using N-LIST

(b) Internet facilities for Staff & Students

- Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre renovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
- Central Library is provided with high speed networking and WiFi facility

## (c) Class rooms with ICT facility

Two smart class rooms set up for PG students in 2013-14.

## (d) Laboratories

- Full fledged language lab with 11 computers having multimedia facility, Kindle E- reader - upgraded in 2015-16.
- Equipped for minor research work

## 31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies: More than 75% of the students are getting financial assistance from various government agencies. Year wise details are provided in para 5.1.3.
- Scholarship from PTA: Details are given in para 5.1.2.
- Scholarship from Alumni: Details are given in para 5.1.2.
- Endowment: Details are given in para 5.1.2.

## 32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts Provide details including names of titles(session-wise) separately of the national seminar National Seminar on Economics of Climate Change

Sl. No.	Topic	Source of funding	Resource Persons	Date
1	Personality Development	PTA	P. P. P. Venugopal, International Trainer, J.C.I.	21/08/13
2	Research Methodology	College Union	Francis O., Asst. Professor, Govt. Brennen College, Thalassery	17/02/14
3	Use of Profane humour in Art as a counter Discourse : An inter disciplinary inquiry	English Club, PTA and College Management	Dr. N. Sajan, HoD of English, S.N. College, Kannur	13/03/14
4	Dissertation Writing: Scope for interdisciplinary Research	PTA and College Management	Prof. Shaiju K. C. , Asst. Professor of English, Govt.college Kasaragod	14/08/14
5	A Tryst with research	PTA and College Management	Prof. Shaiju K.C , Asst.Professor of English, Govt.college Kasaragod	14/08/14
6	Womens Rights and Laws :Objectives and perspectives	PTA and College Management	Advocate Alice Krishnan	05/11/14
7	Developing communication Skills	PTA and College Management	Prof. Z. N. Patel (The English and Foreign Language University, Hyderabad)	30/12/15
8	Life skills and woman empowerment	PTA and College Management	Sijo Thomas, Softskill trainer	01/09/16
9	How to face interviews	PTA and College Management	Jamal P.	24/01/14
10	Silver Screen Carnival	PTA and College Management	Prof. K. P. Madhavan Nair, Sreejith Paleri	17/02/16

Sl. No.	Topic	Source of funding	Resource Persons	Date
11	Orientation to First Year Students	Department	Department staff	First week of August/September every year
12	Homage to Mahashwetadevi the legendary writer	Department	Department staff members	29/07/13
13	Cinema Paradiso	Management, staff and students	-	03.10.16 - 04.10.16
14	Nehru Memorial Lecture	PTA	R. Surendran (Chair ,ghandhian studies,Calicut university)	2014
15	Nehru Memorial Lecture	PTA	Dr.A ashokan (HoD Economics,NAS College,Kanhangad)-2015	2015
16	Nehru Memorial Lecture	PTA	Dr. G. Gopakumar (V.C Central University of Kerala)	2016
17	Shakesperean Fest & Exhibition	-	-	03/03/17 - 04/03/17

### 33. Teaching methods adopted to improve student learning

- ICT based teaching using LCD projector
- Home tests, Open book tests
- Assignments
- Seminars
- Presentation
- Group discussion

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Nehru Study Centre - Functioning to inculcate a sense of social and moral responsibility Conducted Nehru Memorial Lectures-Key note address
- English Club - Arranged seminars and training programmes
- Soft skill club - Conducted training classes and workshops for development of communication skills.
- Teachers provide service through
  - Evaluation of competitions outside the institution
  - Guidance for projects of distance education of Kannur University
  - As resource persons in programmes for community service
  - As resource persons at Census Dissemination Workshop
- Department conducts
  - UGC-NET coaching classes
  - Soft-skill and life skill classes
  - Communicative English classes both for students of the college and nearby areas



- Facilitates training through ASAP
- Faculty are encouraging participation in activities of
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club, nurture social responsibility
- Faculty are extending service and participation in extension activities through
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coaching Centre for SC/ST/OBC and Minorities, Health Club

35. SWOC analysis of the department and Future plans

**SWOC Analysis**

- **Strength**
    - Qualified Staff
    - Meritorious Post Graduate students
    - Faculty members who have numerous publications and have won awards for writing.
    - Studious students who have qualified NET/SLET/TET
    - Language lab
    - Minor research projects
    - Teachers pursuing Ph.D
    - Conducts workshops, seminars, invited talks
    - Uninterrupted power supply by means of inverter
    - Use of ICT in classrooms
    - Nehru Study centre, Soft skills club, English club functioning under English Dept.
    - Students with creative talents who participated in State level and University level competitions
  - **Weakness**
    - Lack of B.A English course.
    - Lack of international seminars
    - Lack of Departmental library
    - Large strength of the degree classes
    - Lack of reference books and primary materials for P.G course
  - **Opportunities**
    - Scope of employability in various arenas
    - Possibility of extension activities and skill development programmes
    - Linkage and collaboration with premiere institutions like Central University of Kerala for academic outreach
    - Improving communication skills using language lab
    - Ample job opportunities in public and private sector.
  - **Challenges**
-

- Lack of graduate programme in the department will reduce the number of meritorious students obtaining admission to P.G courses
- Empowering girl students hailing from rural areas.
- Few students pursue higher studies
- Lack of communication skills at the entry level for undergraduate courses

### **Future Plans**

- To conduct international seminars
- To produce a film
- To begin B.A Degree in English Language and Literature
- To provide a browsing centre for students
- To own a smart auditorium
- To provide corpus fund for providing financial assistance to financially backward students
- To increase the number of journals and books Academic exchange programmes
- To continue extension activities

## Department of Hindi

1. Name of the Department: Department of Hindi

2. Year of Establishment: 2001

3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B.A./B.Sc./B.Com. (Common Course)

4. Names of interdisciplinary courses and the departments/units involved: Nil

5. Annual/Semester/choice based credit system (programme wise): N.A.

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the common course of all the ten UG Programmes.

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Assistant Professors	1	1
Guest Faculties	0	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Dr. C. Jnaneswari	Assistant Professor &	M.A.	Literature	3	N.A.
		Ph.D.	Feminism		
Meenakumari V. M.	In-Charge Guest Lecturer	M.A.	Literature	3	N.A.
		M.Ed.	Education		

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

- 30%

13. Student teacher ratio (programme wise): N.A.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Dr. C. Jnaneswari	M.A., Ph.D.
Meenakumari. V. M	M.A., M.Ed.

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received : Nil

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.: Nil

18. Research centre/facility recognized by the University: N.A.

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications			Listed in International Database	Number of publications in Conference Proceedings
	Regional/ State	National	International		
Dr. C. Jnaneswari	3	1	-	-	-

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Dr. C. Jnaneswari	1	-	-	-	-	-

Details are given in Appendix Q.

20. Areas of consultancy and income generated: Nil

21. Faculty members in

- (a) National Committees: Nil
- (b) International Committees: Nil
- (c) Editorial boards: Nil

22. Student projects: N.A.

23. Awards/Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/visitors to the department: Nil

25. Seminars/Conference/Workshops organized and the source of funding: Nil

26. Student profile programme/course wise: N.A.

27. Diversity of students: N.A.
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?: N.A.
29. Student progression: N.A.
30. Details of Infrastructural facilities
- (a) Library: 902 books, 1 Journal, e-journals using N-LIST
  - (b) Internet facilities for Staff & Students
    - Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
    - Existing College Computer Centre renovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
    - Central Library is provided with high speed networking and WiFi facility
  - (c) Class rooms with ICT facility: N.A.
  - (d) Laboratories: N.A.
31. Number of students receiving financial assistance from college, University, government or other agencies: N.A.
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil
33. Teaching methods adopted to improve student learning
- ICT based teaching using LCD projector
  - Assignments
  - Seminars
  - Presentation
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
- Encouraging participation in activities of
    - Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies
    - Extending service and participation in extension activities through Sahityavedi
35. SWOC analysis of the department and Future plans
- SWOC Analysis**
- **Strengths**
    - Well qualified and experienced faculty
    - Excellent performance in University examinations
    - Good number of Publications in peer reviewed journals/Books
  - **Weakness**
    - Lack of National Seminars
-

- Lack of good Departmental library
- Less number of publications in peer viewed journals/Books
- No UG programmes
- No language lab

- **Opportunities**

- Young, dynamic and highly talented teachers for guidance in Projects/Research
- Improving language proficiency through Language lab
- Commencement of Graduate Programmes
- E-learning using unlimited high speed broadband internet and Wifi facilities

- **Challenges**

- Tight schedule of semester system

The following are the list of future Academic programme of the department

- Start a spoken Hindi course in order to improve the communication skills of students
- To start our effort to begin B A Programme in Hindi
- Conducting National and International seminars

## Post Graduate Department of History

1. Name of the Department: Post Graduate Department of History
2. Year of Establishment: 1968
3. Names of the programmes offered

Graduate Level	Programme Offered
UG	B.A. History (Core)
UG	B.A. History (Complementary and Open)
PG	M.A. History (Core)

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Social Reform Movements in Kerala	Open to all nine departments
Cultural Heritage of North Malabar	

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
B.A. History	Choice Based Credit and Semester System
M.A. History	Credit and Semester System

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the complementary courses of the B.A. Economics programme. Students of the department are free to choose any of the open courses offered by other departments.

7. Courses in collaboration with other universities, industries, foreign institutions etc.:

Certain topics in the curriculum like exploration of ancient settlements are dealt in collaboration with Kerala State Archives Department.

Sl No.	Research Programme	Funding Agency	Year of Commencement
1	Archaeological Exhibition	Archaeological Department	2014
2	Archival Conservation Clinic	Kerala State Archives Department	2014
3	Study Trip to Archaeological Sites	Archaeological Department	2014
4	Excavation and exploration of Archaeological sites	PTA, Alumni Association, Fund Raised from Faculty members	2014
5	Heritage Museum	College Management, PTA, Alumni Association, Fund Raised from Faculty members	2014
6	Photo Gallery	College Management, PTA, Alumni Association, Fund Raised from Faculty members	2014

8. POST GRADUATE DEPARTMENT OF HISTORY

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	4	4
Assistant Professors	2	2
Jr. Lecturers	1	1
Guest Faculties	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Dr. C. Balan	Associate Professor (Retd. On 30.06.2012)	M.A., M.Phil., Ph.D.	Modern India	27	N.A.
Dr. P. Prabhakaran	Associate Professor (Retd. On 31.03.2013)	M.A., M.Phil., Ph.D.	Modern India	32	N.A.
V. Kuttyan	Associate Professor (Retd. On 31.03.2015)	M.A., M.Phil., Ph.D.	Kerala History	32	N.A.
Dr. P. T. Sebastian	Associate Professor and HoD	M.A., Ph.D.	Modern India	22	1
K. K. Sudha	Associate Professor	M.A., M.Phil., B.Ed.	Modern India	22	N.A.
Dr. K. Jayashree Nair	Associate Professor	M.A., M.Phil., Ph.D.	Pre History and Archaeology	21	1
Dr. K. S. Sureshkumar	Associate Professor	M.A., M.Phil., Ph.D.	Modern India	21	N.A.
K. Nandakumar	Jr. Lecturer	M.A., B.Ed.	Modern India	19	N.A.
Rajeevan C. P.	Assistant Professor	M.A., NET	Ancient India	4	N.A.
Dr. Samyuktha Sasidharan	Assistant Professor (Relieved in 2015 to join NSS College, Mattanur)	M.A., NET, Ph.D.	-	-	N.A.
Sharafunnisa C. H.	Assistant Professor	M.A., M.Phil., NET, B.Ed.	Medieval India	2	N.A.



8. POST GRADUATE DEPARTMENT OF HISTORY

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Liji	Guest Lecturer	M.A., NET	Medieval India	2	N.A.
Anitha N.	Guest Lecturer	M.A.	-	1	N.A.
Dr. Satheesh	Guest Lecturer	M.A., Ph.D.	-	1	N.A.
Roopesh	Guest Lecturer	M.A.	-	1	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

- PG - Nil
- UG - 10

13. Teacher ratio (programme wise)?

B.A. History	30:1
M.A. History	6:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Dr. C. Balan	M.A., M.Phil., Ph.D.
Dr. P. Prabhakaran	M.A., M.Phil., Ph.D.
V. Kuttyan	M.A., M.Phil., Ph.D.
Dr. P. T. Sebastian	M.A., Ph.D.
K. K. Sudha	M.A., M.Phil., B.Ed.
Dr. K. Jayashree Nair	M.A., M.Phil., Ph.D.
Dr. K. S. Sureshkumar	M.A., M.Phil., Ph.D.
K. Nandakumar	M.A., B.Ed.
Rajeevan C. P.	M.A., NET
Dr. Samyuktha Sasidharan	M.A., NET, Ph.D.
Sharafunnisa C. H.	M.A., M.Phil., NET, B.Ed.
Liji	M.A., NET
Anitha N.	M.A.
Dr. Satheesh	M.A., Ph.D.
Roopesh	M.A.

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received : Nil

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.: Nil

18. Research centre/facility recognized by the University: Applied

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications				Number of publications in Conference Proceedings
	Regional/State	National	International	Listed in International Database	
K.Nandakumar	-	-	-	-	1
Sharafunnisa C. H.	-	-	-	-	1

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Dr. P. Prabhakaran	-	-	-	-	-	1
Dr. P. T. Sebastian	-	2	-	-	-	1

Details are given in Appendix Q.

20. Areas of consultancy and income generated: Nil

21. Faculty members in

- National Committees: Nil
- International Committees: Nil
- Editorial boards:

SI No.	Name of Faculty	Title of Journal	Role
1	Nandakumar K.	Dreams (Lions Journal 2015)	Editor
2	Nandakumar K.	Heritage (Lions Journal 2016)	Editor

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme

Year	UG and PG Project (Mandatory)
2012	100
2013	100
2014	100
2015	100
2016	100

- Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

## 23. Awards/Recognitions received by faculty and students

- Faculty
  - Nandakumar K. received the Best NCC Officer award at the University level in 2015
- Students

Type	2012-13	2013-14	2014-15	2015-16	2016-17
University Ranks	-	Reshma Tom -Top Scorer in Kannur University B.A. History Examination	Divya - First Rank Holder in M.A. History	-	-
NCC	4 Cadets of B.A. History obtained B & C Certificate and attended NCC CATC	5 Cadets of B.A. History obtained B & C Certificate and attended NCC CATC	4 Cadets of B.A. History obtained B & C Certificate and attended NCC CATC	6 Cadets of B.A. History obtained B & C Certificate and attended NCC CATC	-
NSS	12 Students participated in NSS activities and attended NSS camps and got NSS certificates	8 Students participated in NSS activities and attended NSS camps and got NSS certificates	10 Students participated in NSS activities and attended NSS camps and got NSS certificates	9 Students participated in NSS activities and attended NSS camps and got NSS certificates	-
Sports	4 Students represented Kannur University in Basket Ball	2 Students represented Kannur University in Basket Ball	3 Students represented Kannur University in Basket Ball	2 Students represented Kannur University in Basket Ball	5 Students represented Kannur University in Basket Ball and NASC, Kanhagad became winners in Kannur University in 2016
Arts	-	2 students got first prize in Kannur University Fine Arts Festival	-	-	-

Achievements of students in NCC, NSS, fine arts and sports are given in Appendices K, L, Y, X.

24. List of eminent academicians and scientists/visitors to the department: Nil

25. Seminars/Conference/Workshops organized and the source of funding

(a) State/Regional Level

8. POST GRADUATE DEPARTMENT OF HISTORY

Sl. No.	Topic	Source of Funding	Date
1	Seminar on Local History	Internal Raised Fund from the Faculty members and History Alumni Association	13.10.12
2	Two Day Seminar on Archaeology	Kerala State Archives Department and Archaeological Department	13.03.15 14.03.15
3	Tuhfat al- Mujahidin	Internal Raised Fund from the Faculty members, College Management Committee and PTA	01.10.15
4	Archives and Archaeological Seminar and Exhibition	Kerala State Archives Department and Archaeological Department	28.01.16
5	Archival Conservation Clinic	Kerala State Archives Department and Archaeological Department	28.01.16
6	Study Trip to Archaeological Sites	Kerala State Archives Department and Archaeological Department	29.01.16
7	Historiography of Kerala	Internal Raised Fund from the Faculty members and PTA	11.10.16

(b) National Level

Sl. No.	Topic	Source of Funding	Date
1	Symposia on Dalits	UGC	13.10.12
2	New Perspectives on Decentralisation: Youth, Women, Marginalised and Local Level Development	Kerala Institute of Local Administration (KILA) and PTA	01.10.15
3	Nationalism, Peasant Movements and Social Change	UGC	28.01.16

(c) International: Nil

26. Student profile programme/course wise:

B.A. History					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	976	54	12	42	61
2013-14	1010	54	20	34	82
2014-15	1105	48	14	34	83
2015-16	1333	50	9	41	90

M.A. History					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	120	15	3	12	100
2013-14	138	15	3	12	100
2014-15	146	15	4	10	53
2015-16	170	15	0	15	73

## 27. Diversity of students

<b>B.A. History</b>			
<b>Academic Year</b>	<b>% of the students from the same state</b>	<b>% of the students from the other states</b>	<b>% of the students from abroad</b>
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

<b>M.A. History</b>			
<b>Academic Year</b>	<b>% of the students from the same state</b>	<b>% of the students from the other states</b>	<b>% of the students from abroad</b>
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

- Number of students who have passed UGC-JRF/NET/GATE during the assessment period: 1
- Approximately more than 15 students have cleared NET/SLET/GATE since the inception of the Department.
- No. of students cleared competitive examinations of Defence services during the assessment period: 3
- Approximately 27 students cleared competitive examinations of Defence services so far

## 29. Student progression

<b>Student Progression</b>		<b>Against % Enrolled</b>
UG to PG		45
PG to M.Phil.		10
PG to Ph.D.		10
Ph.D. to Post Doctoral		NA
Employed	Campus selection	5
	Other than campus recruitment	20
Entrepreneurship/Self-employment		10

## 30. Details of Infrastructural facilities

## (a) Library: 2765 books, e Journals using N-LIST

- Department library consists of books donated by the families of Jijesh and Jyothi, deceased former students.
- Internet facilities for staff and students

## (b) Internet facilities for Staff &amp; Students

- Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre renovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
- Central Library is provided with high speed networking and WiFi facility

## (c) Class rooms with ICT facility

Three smart class rooms set up for PG and final year UG in 2013-14.

## (d) Laboratories

- A well equipped computer lab facilitates ICT based learning set up in 2012.
- Laboratory has facilities for carrying out minor research work also.
- Freedom Fighters Gallery
- Heritage Museum

## 31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies: More than 75% of the students are getting financial assistance from various government agencies. Year wise details are provided in para 5.1.3.
- Scholarship from PTA: Details are given in para 5.1.2.
- Scholarship from Alumni: Details are given in para 5.1.2.
- Endowment: Details are given in para 5.1.2.
- Department level

Sl. No.	Name of Beneficiary	Course studied	Funding Agency	Nature of help	Year	Outcome
1	Leena	B.A., M.A.	Faculty members	Supported financially for their studies	2006-2013	Got Government job
2	Balakrishnan	B.A., M.A.	Faculty members	Supported financially for their studies	2004-2013	Got Government job
3	Helped Sportsmen of the department	B.A., M.A.	Faculty members	Supported financially for their studies	2012-2017	Several of them got Government jobs

## 32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sl. No.	Topic	Source of funding	Date
1	Seminar on Local History	Internal Raised Fund from the Faculty members and History Alumni Association	13.10.12
2	Two Day Seminar on Archaeology	Kerala State Archives Department and Archaeological Department	13.03.15 14.03.15

Sl. No.	Topic	Source of funding	Date
3	One day Seminar on Tuhfat al- Mujahidin	Internal Raised Fund from the Faculty members, College Management Committee and PTA	01.10.15
4	Archives and Archaeological Seminar and Exhibition	Kerala State Archives Department and Archaeological Department	28.01.16
5	Archival Conservation Clinic	Kerala State Archives Department and Archaeological Department	28.01.16
6	Study Trip to Archaeological Sites	Kerala State Archives Department and Archaeological Department	29.01.16
7	One day Seminar on Historiography of Kerala	Internal Raised Fund from the Faculty members and PTA	11.10.16
8	Symposia on Dalits	UGC	30.06.12
9	National Seminar on New Perspectives on Decentralisation: Youth, Women, Marginalised and Local Level Development	KILA and PTA	09.03.20 10.03.15
10	National Seminar on Nationalism, Peasant Movements and Social Change	UGC	23/03/13

### 33. Teaching methods adopted to improve student learning

- Project work
- Assignment
- Viva- voce
- Seminar
- Presentation
- Field trip
- Archaeological exploration
- ICT based teaching
- Interactive learning through Heritage Museum and Freedom Fighters Gallery

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

### 35. SWOC analysis of the department and Future plans

#### SWOC Analysis

- **Strengths**
  - Well qualified and experienced faculty
  - Excellent number of SET holders
  - PhD guides and researchers
  - Good performance in University examinations
  - National seminars/conferences/workshops for disseminations of knowledge
  - Computer Laboratories for PG Programmes
  - Museum
  - Linkage and collaborations with premier institutes
  - Excellent extension and outreach Programmes

- Commendable Alumni support
- Active and creditable PTA support
- Smart classrooms for UG and PG programmes
- Participation of students in NCC/NSS and various clubs for social enrichment
- Excellent participation in sports and arts

● **Weakness**

- Not yet a research centre
- Lack of International Seminars
- No add-on Courses
- Lack of good Departmental library
- No interdisciplinary Programmes

● **Opportunities**

- Linkage and collaborations with Institutions like Central University of Kerala,
- Young, dynamic and highly talented teachers for guidance in Projects/Research
- Upgradation into a Research center
- E-learning using unlimited high speed broadband internet and Wifi facilities

● **Challenges**

- Lack of placement opportunities after completion of UG/ PG programmes
- Refraining from higher studies by a major portion of girl students after PG programmes
- Tight schedule of semester system

**Future Plans**

- Research Centre
- Research projects
- Megalithic museum
- Preserving monuments in the District
- Developing Heritage Museum
- Research journal



## Department of Malayalam

1. Name of the Department: Department of Malayalam

2. Year of Establishment: 1968

3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B. A. Malayalam (Core)
UG	B. A. Malayalam (Common Course and Open)

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Keraleeya Kalakal	Open to all the nine departments

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
B.A. Malayalam	Choice Based Credit and Semester System

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the common courses of the all B.A., B.Sc. and B.Com. programmes. Students of the department are free to choose any of the open courses offered by other departments.

7. Courses in collaboration with other universities, industries, foreign institutions etc.:

### Regional Level:

- Municipality - Funding, participation of Kudumbasree workers
- District public relation department - funding

### State level:

- SSA - Funding, participation of school students
- Sahithya Academy - Funding
- Lalithakala Academy - Funding
- Folklore Academy - Funding
- Samastha kerala sahithya parishad - Funding

### National:

- Spicmacay - Cultural programmes were conducted by artists from outside the state.

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	1	1
Assistant Professors	1	1
Guest Faculties	-	3

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Dr. M. Ambikasutan	Associate Professor & HoD	M.A. , M.Phil., Ph.D.	Concept of time in Malayalam Fiction	30	1
Dr. Sheeja K. P.	Assistant Professor	M.A., B.Ed., Ph.D., P.G Diploma in Wom- ens Studies	Nithya Chithanya's Views on Literature	6	N.A.
Dr. Dhanya Keeperi	Guest Lecturer	M.A., B. Ed., Ph.D.	History and Aesthetics of Katha Prasangam	6	N.A.
Shini V.	Guest Lecturer	M.A., B.Ed.	Linguistic Study of Byari Language	5	N.A.
Dhanya Palakkadavath	Guest Lecturer	M.A., B.Ed.	Malayalathile Hasya Sahithya Charitham	5	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

- In 2012-13: Nil
- In 2013-16: 50%
- In 2016-17: 60%

13. Student teacher ratio (programme wise)

B.A. Malayalam	18:1
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14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Dr. M. Ambikasutan	M.A., M.Phil., Ph.D.
Dr. Sheeja K P	M.A., B.Ed., Ph.D., P.G Diploma in Womens Studies
Dr. Dhanya Keeperi	M.A., B. Ed., Ph.D.
Ms. Shini V	M.A., B.Ed.
Ms. Dhanya Palakkadavath	M.A., B.Ed.

16. Number of faculty with ongoing projects from a) national and b)international funding agency and grants received : Nil

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.: Nil

18. Research centre/facility recognized by the University: Nil

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications			Listed in International Database	Number of publications in Conference Proceedings
	Regional/ State	National	International		
Dr. M. Ambikasutan	23 essays 11 Short stories	34 essays 23 Short stories	-	-	-

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Dr. M. Ambikasutan	-	23	17	-	2	-
Dr. Sheeja K. P.	2	-	-	-	-	-
Dr. Dhanya Keeperi	-	-	1	-	-	-
Shini V.	5	2	-	-	-	-
Dhanya Palakkadavath	-	1	-	-	-	-

Details are given in Appendix Q.

20. Areas of consultancy and income generated:

- Research Scholars from various Universities all over India visits department for guidance and reference on Endosalfan issues.
- Consultation on poetry, drama, short story, novel, essay, magazines
- Consultation for fine arts festivals in Kerala

21. Faculty members in

(a) National Committees: Nil

(b) International Committees: Nil

(c) Editorial boards:

Dr. M. Ambikasutan: 2

- i. "Malayalathile Paristhithi kathakal", Mathrubhumi books, June 2016 With ISBN978-81-8266-706-8
- ii. "Theyyam kathakal", Kairali books, sept. 2016, ISBN 93-86197-10-8 Sept. 2016

## 22. Student projects

- (a) Percentage of students who have done in-house projects including inter departmental/programme: 100% in 2016-17
- (b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

## 23. Awards/Recognitions received by faculty and students

- State Level Awards to Dr. M. Ambikasutan
  - 2012 - Dr.P.K.Rajan (Former Vice Chancellor) Memorial Best Teacher Award, Kannur University
  - 2012 - Performance Excellence award for protection of environment & biodiversity, presented by
  - 2012 - Justice R.Basant on 29th June 2012 at Lions club, Calicut
  - 2012-2013 - V P Sivakumar memorial award for Short story, Anathara
  - 2012-2014 - Naduvattam sathyalal Short Story award, Neeraaliyan
  - 2012-2014 -Idavalath Kunhikkannan Gurukkal memorial Maithri award for life time achievements.
  - 2012-2015 - Professor Sivaprasad foundation Best teacher award
  - 2012-2015 - Kerala Bhasha institutes Karoor Neelakandha pillai award for Neeraaliyan
  - 2012-2016 - Kaumudi award by Kollam Adhyapaka Kalavedi for life time achievements.
- National Level Recognition
  - Dr. Ambikasutan Mangad 2016 - Selected as a member of Kendra Sahithya Academy (not accepted)
- Students
 

Achievements of students in NCC, NSS, fine arts and sports are given in Appendices K, L, Y, X.

## 24. List of eminent academicians and scientists/visitors to the department:

Sl. No.	Name	Date
1	Karvelloor Murali	12/10/12
2	K. K. Marar	16/08/13 17/08/13
3	G. Harikumar	16/08/13 17/08/13

9. DEPARTMENT OF MALAYALAM

Sl. No.	Name	Date
4	Artist Sasikala	16/08/13 17/08/13
5	K. M. Gafoor	16/08/13 17/08/13
6	Gopikrishnan	16/08/13 17/08/13
7	R. Sujith	16/08/13 17/08/13
8	T. Raghavan	16/08/13 17/08/13
9	Biju Kanhangad	16/08/13 17/08/13
10	Prof. B. Muhammad Ahmed	27/09/13 28/09/13/ 29/09/13
11	Pokkudan	27/09/13 28/09/13 29/09/13
12	T. P. Padmanabhan	27/09/13 28/09/13 29/09/13
13	Sjith Panikker	27/09/13 28/09/13 29/09/13
14	Sudeer Mulloorkara	27/09/13 28/09/13 29/09/13
15	Soman Kadalur	27/09/13 28/09/13 29/09/13
16	Y. V. Kannan	27/09/13 28/09/13 29/09/13
17	P. V. Shaaji Kumar	27/09/13 28/09/13 29/09/13
18	Dr. E. Unnikrishnan	27/09/13 28/09/13 29/09/13
19	Valsan Pilikkod	27/09/13 28/09/13 29/09/13
20	E. P. Rajagopal	27/09/13 28/09/13 29/09/13
21	Dr. T. Pavithran	27/09/13 28/09/13 29/09/13
22	Prakash Bare	27/09/13 28/09/13 29/09/13
23	Dr. Khader Mangad	27/09/13 28/09/13 29/09/13

Sl. No.	Name	Date
24	B. Ravikumar	27/09/13 28/09/13 29/09/13
25	C. M. Vinayachandran	04/07/14
26	Asha Menon	08/08/14 09/08/14
27	K. Mahalinga Bhat	08/08/14 09/08/14
28	T. K. Raveendran	08/08/14 09/08/14
29	Kalpata Narayanan	08/08/14 09/08/14
30	Madhupal	08/08/14 09/08/14
31	Asokan Charuvil	08/08/14 09/08/14
32	P. P. Ramachandran	08/08/14 09/08/14
33	V. S. Anilkumar E P Rajagopalan	08/08/14 09/08/14
34	Santhosh Echikanam	08/08/14 09/08/14
35	P. V. Shajikumar	08/08/14 09/08/14
36	Subaida	08/08/14 09/08/14
37	P. N. Gopikrishnan	08/08/14 09/08/14
38	Divakaran Vishnumangalam	08/08/14 09/08/14
39	Madhavan Puracheri	08/08/14 09/08/14
40	A. C. Sreehari	08/08/14 09/08/14
41	Nalapadam Padmanabhan	08/08/14 09/08/14
42	Prakasan Madikai	08/08/14 09/08/14
43	Shihabuddin Poythumkadav	08/08/14 09/08/14
44	Veerankutti	08/08/14 09/08/14
45	Dr. Soman Kadalur	08/08/14 09/08/14
46	K. R. Tony	08/08/14 09/08/14
47	P. Raman	08/08/14 09/08/14
48	Dr. Khadija Mumthaz	08/08/14 09/08/14
49	Babu Kambrath, P Premachandran	06/02/15 07/02/15
50	Nheralath Harigovindan	20/08/15
51	C. Muneer	20/08/15
52	Bara Bhaskaran	19/09/15 20/09/15

9. DEPARTMENT OF MALAYALAM

Sl. No.	Name	Date
53	Bhagyanath T. K.	
54	Sujith	19/09/15 20/09/15
55	Sjeendran Karatukkam	
56	Syamasasi	19/09/15 20/09/15
57	Vinod Ambalathara	19/09/15 20/09/15
58	Pallava Narayanan	19/09/15 20/09/15
59	Asokan Chithralekha	19/09/15 20/09/15
60	Rajendran Pulloor	19/09/15 20/09/15
61	N. Prabhaakarn	20/02/16 21/02/16
62	Raghunathan Parali	20/02/16 21/02/16
63	Veeraankutti	20/02/16 21/02/16
64	E. P. Rajagopalan	20/02/16 21/02/16
65	Mangad Rathnakaran	20/02/16 21/02/16
66	Madhavan Puracheri	20/02/16 21/02/16
67	Divakaran Vishnumangalam	20/02/16 21/02/16
68	Biju Kanhangad	20/02/16 21/02/16
69	Prakasan Matikai	20/02/16 21/02/16
70	Vasu Chorod	20/02/16 21/02/16
71	Thyagarajan Chalakkadav	20/02/16 21/02/16
72	C. Amburaj	20/02/16 21/02/16
73	N. Sasidharan	20/02/16 21/02/16
74	Santhosh Echikanam	20/02/16 21/02/16
75	P. K. Parakkadav	20/02/16 21/02/16
76	Subaida	20/02/16 21/02/16
77	Kalpata Narayanan	20/02/16 21/02/16
78	A. C. Sreehari	20/02/16 21/02/16
79	Mahalinga Bhat	09/08/14
80	T. K. Raveendran	09/08/14
81	Manoj Kana	30/09/16
82	Babu Kambrath	30/09/16
83	Biju Irinav	22/10/16
84	Roobin Joseph	18/01/13

Sl. No.	Name	Date
85	Kudamalur Janardanan	23/07/13
86	Rajendran Pulloor	18/09/15
87	Dr. A. Balan	18/09/15
88	Abhiraj	19/03/16
89	Udayan Kundamkuzhi	19/03/16
90	Balakrishnan koyyal	19/08/16
91	P. S. Puninjithaya	19/08/16
92	Amudan	22/09/16
93	Biju Irinav	22/10/16

## 25. Seminars/Conference/Workshops organized and the source of funding

## (a) State/Regional/National Level

Sl. No.	Camp/ Workshop	Guest	Organization / Collaboration	Date
1	Kaviyarang	Karvelloor, Murali Athira M, Sreenath P, Ms. Rukhayya	Sahithyavedi	12.10.2012
2	National Cartoon Workshop	K. K. Marar, G Harikumar, Artistr Sasikala, K. M. Gafoor, Gopikrishnan, R. Sujith, T. Raghavan, Biju Kanhangad	Sahithyavedi	16/08/13-17/08/13
3	National Folklore Workshop	Prof. B. Muhammad Ahmed, Pokkudan, T. P. Padmanabhan, Sjjith Panikker, Sudeer Mulloorkara, Soman Kadalur, Y. V. Kannan, P.V. Shaaji Kumar, Dr. E. Unnikrishnan, Valsan Pilikkod, E.P. Rajagopal, Dr. T. Pavithran, Prakash Bare, Dr. Khader Mangad, B. Ravikumar, Dr. Jayasree Nair	SSA, Folklore Academy, Sahithyavedi	27/09/13 28/09/13 29/09/13
4	Regional Kaviyarang	C. M. Vinayachandran	Sahithyavedi	04/07/14
5	National Kotiyetam	UGC National Workshop	Sahithyavedi	07/08/14
6	National Workshop On Crative Writing UGC	Asha Menon, K. Mahalinga Bhat, T. K. Raveendran, Kalpata Narayanan, Madhupal, Asokan Charuvil, P. P. Ramachandran, V. S. Anilkumar, E. P. Rajagopalan, Santhosh Echikanam, Dhanya Keeperi, P. V. Shajikumar, Subaida, P. N. Gopikrishnan, Divakaran Vishnumangalam, Madhavan Puracheri, A. C. Sreehari, Nalapadam Padmanabhan, Prakasan Madikai, Shihabuddin Poythumkadav, Veerankutti, Dr. Soman Kadalur, K. R. Tony, P. Raman, Dr. Khadija Mumthaz	Students Of Various Colleges In Kannur University And Members Of Sahithyavedi	08/08/14 09/08/14
7	Regional Dictionary Of Local Dialect (Ponhar) Workshop		Sahithyavedi	02/01/15 09/01/15



Sl. No.	Camp/ Workshop	Guest	Organization / Collaboration	Date
8	National Kazhchayute Samaramukham Film Festival On Women, Dalit, Environment Seminar???	Babu Kambrath, P. Premachandran	SSA, Sahithyavedi	06/02/15 07/02/15
9	State level Stall (Sahithyavedi) In University Arts Festival and Oppumaram (signature tree for freedom of expression)	-	Sahithya Vedi	26/02/15
10	State level Katadiththanalile Onam	Nheralath Harigovindan, C Muneer, Kanathur Govt. U P School	Sahithyavedi, NASCA UAE Chapter	20/08/15
11	State level Workshop On Art And Painting	Bara Bhaskaran, Bhagyanath, T. K. Sujith, Sjeendran Karatukkam, Syamasasi, Vinod Ambalathara, Pallava Narayanan, Asokan Chithralekha, , Rajendran Pulloor	SSA Kasaragod District, Sahithyavedi	19/09/15 20/09/15
12	State level Workshop On Literature	N. Prabhaakarn, Raghunathan Parali, Veeraankutti, E. P. Rajagopalan, Mangad Rathnakaran, Madhavan Puracheri, Divakaran Vishnumangalam, Biju Kanhangad, Prakasan Matikai, Vasu Chorod, Thyagarajan Chalakkadav, C. Amburaj, N. Sasidharan, Santhosh Echikanam, P. K. Parakkadav, Subaida, Kalpata Narayanan, A. C. Sreehari	Samastha Kerala Sahithya Parishad, Sahithya Vedi	20/02/16 21/02/16
13	National Book Release	Nana Bellichan Poya Thirichitu	Mahalinga Bhat And T. K. Raveendran Mangaluru University	09/08/14
15	National 2 day Film festival	Women, dalit environment	Manoj Kana Babu Kambrath Sahithyavedi	30/09/16
16	State level Oneday workshop on Acting	Biju Irinav (National School of Drama Bengaluru)	Members Of Sahithyavedi	22/10/16

## (b) One day Workshops

Sl. No.	Item	Guest & Participants	Date
1	Remembering Thilakan (Film Actor)	Members Of Sahithyavedi	25/09/12

Sl. No.	Item	Guest & Participants	Date
2	Discussion with Madhu Kaithapram Film Director	Members Of Sahithyavedi	09/10/12
3	Training Course For Elocution And Debate	Roobin Joseph (Malayala Manorama)	18.01.2013
4	Film Exhibition 'Cross Road' By Alumni Sahithya Vedi	Directed By Murali Meengoth	01/02/13
5	Script For Short Film	Haritha V. V. Member Sahithyavedi	06/02/13
6	State level Flute Music Inuguration Of Sahithyavedi 2013-2014	Kudamalur Janardanan	23/07/13
7	Gananjali: For Music Director M S Viswanathan	Members Of Sahithyavedi	16/07/15
8	Talk With State Award Winners Of Oppana Dance	Members Of Sahithyavedi	07/08/15
9	State level Painting - Urakkam -Photo Exhibition	Rajendran Pulloor, Inauguration By Dr. A. Balan Director SSA	18/09/15
10	National Kathakali Demonstration	Spicmakey and Sahithyavedi	12/10/15
11	State level Folk Song Celebration Kalabhavan Mani Orma Natanpattukalute Natuchcha	Abhiraj and Udayan Kundamkuzhi	19/03/16
12	State level Kalaripayatu	Jayakeralam Kalari Kannur	-
13	State level Photography exhibition and seminar on water and environment	Creative Photographers Forum and Sahithyavedi Balakrishnan koyyal (President Creative Photographers Forum and Akasavani kozhikkod director) P. S. Puninjithaya (Artist)	19/08/16
14	National level Talk on Dalit life in india and film exhibition	Amudan (Tamil Documentary Director)	22/09/16
15	State level Oneday workshop on Acting	Biju Irinav (National School of Drama Bengaluru)	22/10/16

(c) International: Nil

26. Student profile programme/course wise:

B.A. Malayalam					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	N.A.	N.A.	N.A.	N.A.	N.A.
2013-14	N.A.	N.A.	N.A.	N.A.	N.A.
2014-15	442	30	6	24	N.A.
2015-16	1425	31	4	27	N.A.
2016-17	1556	30	9	21	N.A.

27. Diversity of students

B.A. Malayalam			
Academic Year	% of the students from the same state	% of the students from the other states	% of the students from abroad
2012-13	N.A.	N.A.	N.A.

<b>B.A. Malayalam</b>			
<b>Academic Year</b>	<b>% of the students from the same state</b>	<b>% of the students from the other states</b>	<b>% of the students from abroad</b>
2013-14	N.A.	N.A.	N.A.
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?: N.A.

29. Student progression

<b>Student Progression</b>		<b>Against % Enrolled</b>
UG to PG		N.A.
PG to M.Phil.		N.A.
PG to Ph.D.		N.A.
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	N.A.
	Other than campus recruitment	N.A.
Entrepreneurship/Self-employment		N.A.

30. Details of Infrastructural facilities

(a) Library: 7907 books, 2 Journals.

(b) Internet facilities for Staff & Students

- Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre renovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
- Central Library is provided with high speed networking and WiFi facility

(c) Class rooms with ICT facility

(d) Laboratories:

Full fledged college computer centre with 60 seating capacity is available for UG students.

31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies: More than 75% of the students are getting financial assistance from various government agencies. Year wise details are provided in para 5.1.3.
- Scholarship from PTA: Details are given in para 5.1.2.
- Scholarship from Alumni: Details are given in para 5.1.2.
- Endowment: Details are given in para 5.1.2.
- Department level: Scholarship to Top scorers are being given in the 2<sup>nd</sup>, 4<sup>th</sup>, and 6<sup>th</sup> semester by Malayalam Department .

## 32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts.

Sl. No.	Camp/ Workshop	Guest	Organization / Collaboration	Date
1	Kaviyarang	Karvelloor, Murali Athira M, Sreenath P, Ms. Rukhayya	Sahithyavedi	12.10.2012
2	National Cartoon Workshop	K. K. Marar, G Harikumar, Artistr Sasikala, K. M. Gafoor, Gopikrishnan, R. Sujith, T. Raghavan, Biju Kanhangad	Sahithyavedi	16/08/13-17/08/13
3	National Folklore Workshop	Prof. B. Muhammad Ahmed, Pokkudan, T. P. Padmanabhan, Sjith Panikker, Sudeer Mulloorkara, Soman Kadalur, Y. V. Kannan, P.V. Shaaji Kumar, Dr. E. Unnikrishnan, Valsan Pilikkod, E.P. Rajagopal, Dr. T. Pavithran, Prakash Bare, Dr. Khader Mangad, B. Ravikumar, Dr. Jayasree Nair	SSA, Folklore Academy, Sahithyavedi	27/09/13 28/09/13 29/09/13
4	Regional Kaviyarang	C. M. Vinayachandran	Sahithyavedi	04/07/14
5	National Kotiyetam	UGC National Workshop	Sahithyavedi	07/08/14
6	National Workshop On Crative Writing UGC	Asha Menon, K. Mahalinga Bhat, T. K. Raveendran, Kalpata Narayanan, Madhupal, Asokan Charuvil, P. P. Ramachandran, V. S. Anilkumar, E. P. Rajagopalan, Santhosh Echikanam, Dhanya Keeperi, P. V. Shajikumar, Subaida, P. N. Gopikrishnan, Divakaran Vishnumangalam, Madhavan Puracheri, A. C. Sreehari, Nalapadam Padmanabhan, Prakasan Madikai, Shihabuddin Poythumkadav, Veerankutti, Dr. Soman Kadalur, K. R. Tony, P. Raman, Dr. Khadija Mumthaz	Students of Various Colleges In Kannur University And Members of Sahithyavedi	08/08/14 09/08/14
7	Regional Dictionary of Local Dialect (Ponhar) Workshop	-	Sahithyavedi	02/01/15 09/01/15
8	National - Kazhchayute Samaramukham Film Festival On Women, Dalit, Environment	Babu Kambrath, P. Premachandran	SSA, Sahithyavedi	06/02/15 07/02/15
9	State level Stall (Sahithyavedi) In University Arts Festival and Oppumaram (signature tree for freedom of expression)	-	Sahithya Vedi	26/02/15
10	State level - Katadiththanale Onam	Nheralath Harigovindan, C Muneer, Kanathur Govt. U P School	Sahithyavedi, NASCA UAE Chapter	20/08/15

Sl. No.	Camp/ Workshop	Guest	Organization / Collaboration	Date
11	State level Workshop On Art And Painting	Bara Bhaskaran, Bhagyanath, T. K. Sujith, Sjeendran Karatukkam, Syamasasi, Vinod Ambalathara, Pallava Narayanan, Asokan Chithralekha, Rajendran Pulloor	SSA Kasaragod District, Sahithyavedi	19/09/15 20/09/15
12	State level Workshop On Literature	N. Prabhaakarn, Raghunathan Parali, Veeraankutti, E. P. Rajagopalan, Mangad Rathnakaran, Madhavan Puracheri, Divakaran Vishnumangalam, Biju Kanhangad, Prakasan Matikai, Vasu Chorod, Thyagarajan Chalakkadav, C. Amburaj, N. Sasidharan, Santhosh Echikanam, P. K. Parakkadav, Subaida, Kalpata Narayanan, A. C. Sreehari	Samastha Kerala Sahithya Parishad, Sahithya Vedi	20/02/16 21/02/16
13	National Book Release	Nana Bellichan Poya Thirichitu	Mahalinga Bhat And T. K. Raveendran Mangaluru University	09/08/14
15	National 2 day Film festival	-	Manoj Kana Babu Kambrath Sahithyavedi	30/09/16
16	State level Oneday workshop on Acting	Biju Irinav (National School of Drama Bengaluru)	Members Of Sahithyavedi	22/10/16

### One day workshops

Sl. No.	Item	Guest & Participants	Date
1	Remembering Thilakan (Film Actor)	Members Of Sahithyavedi	25/09/12
2	Discussion with Madhu Kaithapram Film Director	Members Of Sahithyavedi	09/10/12
3	Training Course For Elocution And Debate	Roobin Joseph (Malayala Manorama)	18.01.2013
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5	Script For Short Film	Haritha V. V. Member Sahithyavedi	06/02/13
6	State level Flute Music Inuguration Of Sahithyavedi 2013-2014	Kudamalur Janardanan	23/07/13
7	Gananjali: For Music Director M S Viswanathan	Members Of Sahithyavedi	16/07/15
8	Talk With State Award Winners Of Oppana Dance	Members Of Sahithyavedi	07/08/15
9	State level Painting - Urakkam -Photo Exhibition	Rajendran Pulloor, Inauguration by Dr. A. Balan Director SSA	18/09/15
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12	State level Kalaripayatu	Jayakeralam Kalari Kannur	
13	State level Photography exhibition and seminar on water and environment	Creative Photographers Forum and Sahithyavedi Balakrishnan koyal (President Creative Photographers Forum and Akasavani Kozhikkode director) P. S. Puninjithaya (Artist)	19/08/16
14	National level Talk on Dalit life in india and film exhibition	Amudan (Tamil Documentary Director)	22/09/16
15	State level Oneday workshop on Acting	Biju Irinav (National School of Drama Bengaluru)	22/10/16

### 33. Teaching methods adopted to improve student learning

- Interaction of staff and students with major writers in Malayalam literature and other eminent personalities from various fields.
- Imparting value based education to mould personal development, awareness in literature, Art, cultural diversity, Environmental issues and to promote nature conservation
- Gives open space for freedom of expression in the area of art and literature
- Department has 10 paintings and 2 sculptures to motivate the students to learn about the works and the eminent personalities whose sculptures are displayed. Details are given below.
  - O. V Vijayan ( Writer And Cartoonist) Work On Wood In Cement by Surendran Kookkaanam Sculptor
  - P .Kunhiraman Nair (Poet) Placed In Garden Made Of Mixed Medium by Surendran Kookkanam, Film Director Ranjith
  - Portrait ‘Girl’ on Canvas With Charcoal by Bara Bhaskaran Artist
  - (Face Painting)On Surface Of Terracotta Pots with Fabric Paint by Sajith Paniker And Friends
    - (a) Muthappan Vellatam
    - (b) Cheriyaabagavathi
    - (c) Moovalamkuzhi Chamundi (Alilakkannu)
    - (d) Vishnumoorthi(Kozhipushpam)
    - (e) Gulikan
    - (f) Kalapuliyam Vellattam(Kuri)
    - (g) Adivetan
    - (h) Bhagavathi (Prakkezhuth)
    - (i) Vettaykkorumakan

The Department of Malayalam regularly conducts academic activities like Assignments, Discussion, Projects, Invited Talks, Book reviews Seminars, camps, workshops, debates, exhibitions, ICT enabled teaching etc.

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Department and sahithyavedi took initiative to build house for endosulpan victims of kasaragod district
- Financial aid from famous film actor Mr. Suresh Gopi (Member of Parliament)
- Members of Sahithyavedi also participate in the construction works.
- Construction of 7 houses have already been completed and given to Endosulfan victims.
- A building for disabled students (Buds School) of endosulfan affected area is under construction.

Sl. No.	Work	Guests & Participants	Date
1	Akshatha financial aid Rs. 11343	Sahithyavedi , principal, health officer Nissam Ravuthar, Bellur panchayath president.	13/06/13
2	Planted Peepal in memory of environmental activist Antappan	Prof. Shobhindran Environmentalist and Sahithyavedi	30/07/13
3	House For Ankitha Mayicha	Suresh Gopi, E Chandra Sekharan MLA, Authorities Of Panchayath And College, People Of Mayicha And Members Of Sahithyavedi	28/08/13
4	House For Afsal Thaikkadappuram Kadinjimoola	Suresh Gopi, ,Authorities Of Panchayath And College, People Of Kadinjimoola And Members Of Sahithyavedi	28/08/13
5	House For Dhanya Athiyamboor	Suresh Gopi, Authorities Of Panchayath And College, People Of Kadinjimoola And Members Of Sahithyave	05/01/15
6	House For Arsha Chandravayal Cheemeni	Suresh Gopi, Authorities Of Panchayath And College, People Of Chandravayal And Members Of Sahithyavedi	24/12/15
7	House for Haseena Kasaragod(kallakkatta)	Suresh Gopi, M.P., Authorities Of PanchayathAnd College, People Of Kallakkatta And Members Of Sahithyavedi	24/12/15
8	House for Kookkott Pavithran at Kayyur	Suresh Gopi, M.P.,Authorities Of Panchayath And College, People Of Kayyur And Members Of Sahithyavedi	24/12/15
9	SNEHAVEEDU foundation stone laid by Sureshgopi Ambalathara	Suresh Gopi, Leelakumariyamma, Ambalathara Kunhikrishnan, Authorities Of Panchayath And College, People Of Ambalathara And Sahithyavedi	24/12/15
10	One day Visit Cheemeni Open Jail	Members Of Sahithyavedi with Media persons	19/07/14

- Leading dictionary of Malayalam Sabdatharavali borrowed 200 words from Ponharu, the local dialect dictionary of Kasaragod published by Sahithyavedi. News

paper cuttings related Endosulfan issues are reference materials for research scholars 4 Lakh Rupees, Royalty of Novel Enmakaje is distributed among the Endosulfan victims.

- **Impact**

A Dissertation for the Degree of Master of Education is submitted on wonderful performance of sahityavedi in the field of Literature, Art, Film, Folklore , Value of Culture & Nature, by Anoop Melath, Kannur University in 2012.

- The faculty are encouraging participation in activities of

- NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club, nurture social responsibility

- Extending service and participation in extension activities through

- NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coaching Centre for SC/ST/OBC and Minorities, Health Club

### 35. SWOC analysis of the department and Future plans

#### **SWOC Analysis**

- **Strengths**

- Well qualified and experienced faculty
- Intake of Studious students
- Ph.D. guide and researchers
- National seminars/conferences/workshops for disseminations of knowledge
- Linkage and collaborations with premier institutes
- Good number of Publications in peer reviewed journals/Books
- Publications of articles/books by students
- Excellent extension and outreach Programmes
- Active and creditable PTA support
- Participation of students in NCC/NSS and various clubs for social enrichment
- Excellent participation in sports and arts

- **Weakness**

- Not yet a research centre
- Lack of International Seminars
- No add-on Courses
- Lack of good Departmental library
- No PG programmes

- **Opportunities**

- Linkage and collaborations with Institutions
- Young, dynamic and highly talented teachers for guidance in Projects/Research
- Improving language proficiency through Language lab
- Commencement of Post-Graduate Programmes
- E-learning using unlimited high speed broadband internet and Wifi facilities



- **Challenges**

- Lack of placement opportunities after completion of UG programmes
- Unable to attract students both from South-Kerala and outside Kerala
- Fall in the number of male enrollment in UG programmes
- Tight schedule of semester system

**Future Plans**

- Documentary film making on Polindra Festival
- Tele film by students
- 2 day Poetry festival
- Sculptures of 30 eminent writers
- 2 day novel seminar
- 30 wall magazines Nhatuvela
- Folklore festival
- National Seminar on South Indian literature
- To take up major and minor projects funded by different agencies to strengthen the department.
- Participation of teachers in National and International conferences
- To conduct a seminar on cultural studies
- Orientation programme for high school teachers in literature study
- To conduct interactive sessions with eminent writers in Malayalam and from South India to get good exposure to students
- Awareness campaigns on different social and environmental issues in various forms like poster presentation, Oppumaram, competitions.
- Nature camps at wild life sanctuaries for students to give environmental awareness.
- Literary camps for students of various universities in Kerala to encourage creative writing
- Workshop on translation for students.

## Department of Mathematics

1. Name of the Department: Department of Mathematics

2. Year of Establishment: 1968

3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B.Sc. Mathematics (Core)
UG	B.Sc. Mathematics (Complementary and Open)

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Business Mathematics	Open to all the nine departments
Principles of Computer Science	
Vedic Mathematics	

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
B.Sc. Mathematics	Choice Based Credit and Semester System

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the complementary courses of the UG in Physics, Polymer Chemistry and Statistics. Students of the department are free to choose any of the open courses offered by other departments.

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Assistant Professors	3	3

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Dr. T. Dinesh	Assistant Professor in charge of HoD	M.Sc., M.Phil., Ph.D., NET	Fuzzy Graphs	12	N.A.
Dr. P. V. Reeja	Assistant Professor	M.Sc., Ph.D., NET	Functional Analysis	12	N.A.
K. M. Sajitha	Assistant Professor	M.Sc., NET	Discrete Mathematics	6	N.A.
A. Shamna	Guest Lecturer (in 2015-16)	M.Sc.	Real Analysis	-	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

33% during academic year 2015-16

13. Student teacher ratio (programme wise)

B.Sc. Mathematics	18:1
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14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Dr. T. Dinesh	M.Sc., M.Phil., Ph.D., NET
Dr. P.V. Reeja	M.Sc., Ph.D., NET
K.M. Sajitha	M.Sc., NET
A. Shamna (during 2015-16)	M.Sc.

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received : Nil

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.: Nil

18. Research centre/facility recognized by the University: Nil

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications				Number of publications in Conference Proceedings
	Regional/ State	National	International	Listed in International Database	
Dr. T. Dinesh	-	-	2	-	-

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Dr. T. Dinesh	-	-	-	-	-	1
Dr. P. V. Reeja	-	-	-	-	-	1
K. M. Sajitha	-	-	-	-	-	1

Details are given in Appendix Q.

20. Areas of consultancy and income generated:

- Free consultancy to students of PG and UG students of neighbouring institutions.
- Consultancy given for setting up of stalls for XVISION, Mathematics exhibition organized by Maths Forum, Kannur-Kasaragod, held at Poomala auditorium, Cheruvathur

21. Faculty members in

(a) National Committees:

Name	Position	Committee
Dr. T. Dinesh	Life Member	Kerala Mathematical Association
Dr. P. V. Reeja	Life Member	Kerala Mathematical Association
K. M. Sajitha	Life Member	Kerala Mathematical Association

(b) International Committees:

Name	Position	Committee
Dr. T. Dinesh	Affiliated Member	American Mathematical Society
Dr. P. V. Reeja	Affiliated Member	American Mathematical Society

(c) Editorial boards:

- Dr. T. Dinesh
  - Associate Editor, Bulletin of Kerala Mathematics Association
  - Member, Editorial Board, Proceedings of the National Seminar on ‘New Trends in Analysis’ held at Nehru Arts and Science College, Kanhangad on the 26th and 27<sup>th</sup> of September, 2014.
  - Dr. Dinesh T. was the Staff Editor of the College Magazine ‘Straw’.
- Dr. P. V. Reeja
  - Chief Editor, Proceedings of the National Seminar on ‘New Trends in Analysis’ held at Nehru Arts and Science College, Kanhangad on the 26th

and 27th of September, 2014.

- K. M. Sajitha
  - Member, Editorial Board, Proceedings of the National Seminar on 'New Trends in Analysis' held at Nehru Arts and Science College, Kanhangad on the 26th and 27th of September, 2014.

## 22. Student projects

- (a) Percentage of students who have done in-house projects including inter departmental/programme:

Year	UG and PG Project (Mandatory)
2012	100
2013	100
2014	100
2015	100
2016	100

- (b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies:

Udithkumar K.P., Shyamlal Yadav, Nandakishor A. of II year B.Sc. Mathematics (and Vipin Narayanan, II B.Sc. Statistics) attended the Undergraduate Mathematics Training Camp of Centre for Mathematical Sciences from the 14th to the 22nd of September, 2013 at Changanassery.

## 23. Awards/Recognitions received by faculty and students

- Faculty
  - Dr. T. Dinesh Awarded Ph.D. on 23/02/12
  - Dr. P. V. Reeja Awarded Ph.D. on 05/10/12
- Students
  - Academic

Sl. No.	Name and Class	Recognition & Achievement	Venue	Date
1	Anand P. R. and Dhanasjith P., IV sem	Third in the intercollegiate quiz competition	Department of Mathematics, Central University	2014-15
2	Vijil K. V., V sem	First in district level quiz competition	XVISION Mathematics exhibition held at Poomala auditorium, Cheruvathur	28/09/15

– Fine Arts and Literature

Sl. No.	Name and Class	Recognition & Achievement	Venue	Date
1	Remya Ramesh, II B.Sc.	Advanced to the fourth round	Star Singer competition of Asianet	2012-13
2	Nisha Parvathy, I B.Sc.	First place in the essay writing competition	Satya Sai Seva Samithi	2013-14

Sl. No.	Name and Class	Recognition & Achievement	Venue	Date
3	Sruthi V. R., I B.Sc	Published her literary work	Mathrubhumi weekly	2013-14

## – Sports

Sl. No.	Name and Class	Recognition & Achievement	Venue	Date
1	Sooraj K., II B.Sc.	First in High Jump (Senior)	Kasaragod District Senior Amateur Sports Meet	2015-16
2	Ayesha Pavithran, II B.Sc.	First in the 100 m race	District level Senior Amateur Athletic Championship	2016-17
3	Aghil M. and Nikhil V., II B.Sc.	First in the Intercollegiate Olympic Quiz	Kannur University and S.E.S. College, Sreekandapuram	2016-17

## – NCC

Sl. No.	Name and Class	Recognition & Achievement	Venue	Date
1	Gopika G., II B.Sc.	Attended the Tal Sainik Camp	Delhi	2013-14
2	Pranav K., II B.Sc.	Attended Republic Day Parade	New Delhi	2015-16

## – NSS

Sl. No.	Name and Class	Recognition & Achievement	Venue	Date
1	Amal Sudhan and Glorin Sylvester Gangera, II B.Sc.	Attended the adventure camp	Narkanda A.B. Vajpayee Institute of Mountaineering and Allied Sports, Manali, Himachal Pradesh	2015-16

## 24. List of eminent academicians and scientists/visitors to the department:

Sl. No.	Name	Designation	Organization/ Institution	Date of visit
1	Dr. Sr. K.A. Germina	Head, Department of Mathematics	Central University of Kerala, Kasaragod,	07/02/13
2	Sri Jijesh V. Saseendran	Guest Faculty	PM Institute, Farook College	20/09/12
3	Sri P. Narayanan,	Secretary,	District Mathematics Club.	20/09/12
4	Dr. J.P. Mohandas	Assistant Professor of Mathematics	Govt. College, Kasaragod	05/12/13
5	Preethi Prabhakaran	Employee	State Bank of Travancore, Kannur	17/02/14
6	Prof. V.G. Tikekar	Retd. Professor and Chairman	Indian Institute of Science, Bengaluru	26/09/14
7	Prof. K. Kannan Nambiar	Former Professor and Dean	Jawaharlal Nehru University, Delhi	26/09/14
8	Prof. M. Thamban Nair	Professor	Indian Institute of Technology, Chennai	26/09/14

Sl. No.	Name	Designation	Organization/ Institution	Date of visit
9	Dr. J.R.V. Edward	Associate Professor	Scott Christian College (Autonomous) Nagercoil	26/09/14
10	Prof. K. Balachandran	Professor	Department of Mathematics, Bharathiar University, Coimbatore	26/09/14
11	Dr. P. Sam Johnson	Assistant Professor	Department of Mathematical and Computational Sciences, National Institute of Technology, Surathkal	26/09/14
12	Dr. Harikrishnan P.K.	Assistant Professor	Manipal Institute of Technology, Manipal	26/09/14
13	L. Anitha	Assistant Professor	Nandha Arts and Science College, Erode	26/09/14
14	V.P. Anurada	Assistant Professor	Government Degree College for Women, Begumpet, Hyderabad	26/09/14
15	Prof. S. Narayanamoorthy	Professor	Department of Applied Mathematics, Bharathiar University, Coimbatore	26/09/14
16	Dr. K. T. Ravindran	Associate Professor	Payyanur College, Payyanur	26/09/14
17	P. Riyas	Assistant Professor	K.M.M. Govt. Women's College, Kannur	26/09/14
18	C. Selvaraj	Assistant Professor	Presidency College, Chennai	26/09/14
19	Prof. T. Thrivikraman	Retd. Professor and Head	Department of Mathematics, Cochin University of Science and Technology	26/09/14
20	A.V. George	Associate Professor	S.E.S. College, Sreekandapuram	2014-15
21	Dr. C.P. Santhosh	Assistant Professor	Govt. Polytechnic College, Mattanur	22/02/16
22	Smt. Soumya S. Madhavan	Psychologist	AmruthaVidyalayam, Kanhangad	08/01/16
23	Smt. Sumayya Mohammed	ILFS Trainer	REACH, Pilathara,	08/02/16
24	Prabhakaran P.S.	Principal	Gangothri English Medium School, Nemmara, Palakkad	29/01/15

## 25. Seminars/Conference/Workshops organized and the source of funding

## (a) State/Regional Level

Sl. No.	Topic	Source of Funding	Date
1	Vedic Mathematics	PTA	20/09/12
2	Learning Aids in Mathematics	PTA	20/09/12

## (b) National Level

Sl. No.	Topic	Source of Funding	Date
1	New Trends in Analysis	UGC	26/09/14 - 27/09/14

(c) International: Nil

26. Student profile programme/course wise:

B.Sc. Mathematics					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	684	29	8	21	81
2013-14	692	29	6	23	84
2014-15	720	28	9	19	93
2015-16	760	29	6	23	68

27. Diversity of students

B.Sc. Mathematics			
Academic Year	% of the students from the same state	% of the students from the other states	% of the students from abroad
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?:

- Number of students who have passed UGC-JRF/NET/GATE during the assessment period: Nil
- Approximately more than 15 students have cleared NET/SLET/GATE since the inception of the Department.
- No. of students cleared competitive examinations of Defence services during the assessment period: 2
- Approximately 18 students cleared competitive examinations of Defence services so far

29. Student progression

Student Progression		Against % Enrolled
UG to PG		55
PG to M.Phil.		N.A.
PG to Ph.D.		N.A.
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	3
	Other than campus recruitment	21
Entrepreneurship/Self-employment		5



## 30. Details of Infrastructural facilities

## (a) Library:

- 1709 books, 1 Journal. e-journals using N-LIST
- 12 new books have been added to the collection of books in the Department during the assessment period.
- The volumes of the research journal 'Bulletin of American Mathematical Society' are made available for reference in the Department.
- 30 new books have been received under Book Complementary Scheme of National Board of Higher Mathematics

## (b) Internet facilities for staff and students

- Existing internet facility was upgraded to free high speed internet with Wi-Fi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre renovated into a Conference Hall cum Computer Centre with high speed networking and Wi-Fi
- Central Library is provided with high speed networking and Wi-Fi facility

## (c) Class rooms with ICT facility:

A smart class room set up for final year UG students in 2013-14.

## 31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies: More than 75% of the students are getting financial assistance from various government agencies. Year wise details are provided in para 5.1.3.
- Scholarship from PTA: Details are given in para 5.1.2.
- Scholarship from Alumni: Details are given in para 5.1.2.
- Endowment: Details are given in para 5.1.2.

## 32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sl. No.	Name of Course	Date	Title	Funding agency	Collaboration	Participants	Resource Persons	Papers Presented
1	Lecture	07/02/13	Balance in Graphs	College Union	Mathematics Association, NASC	80	Dr. Sr. K.A. Germina, Head of the Department of Mathematics, Central University of Kerala	Nil

10. DEPARTMENT OF MATHEMATICS

Sl. No.	Name of Course	Date	Title	Funding agency	Collaboration	Participants	Resource Persons	Papers Presented
2	Seminar	20/09/12	Vedic Mathematics	PTA	Mathematics Club, NASC	92	Jijesh V. Saseendran, PM Institute, Farook College, Kozhikode	Nil
3	Seminar	20/09/12	Learning Aids in Mathematics	PTA	Mathematics Club, NASC	92	P. Narayanan, Secretary, District Mathematics Club	Nil
4	Lecture	05/12/13	Some Problems in Number Theory	College Union	Mathematics Association, NASC	80	Dr. J. P. Mohandas, Assistant Professor, Govt. College, Kasaragod	Nil
5	Lecture	18/10/13	Quantitative Aptitude	No expense	Mathematics Club, NASC	68	A.V. Mithun, Assistant Professor, Nehru Arts and Science College, Kanhangad	Nil
6	Lecture	07/02/14	Indian Mathematics	Department of Mathematics	Mathematics Club, NASC	86	Sudheesh Minni	Nil
7	Lecture	17/02/14	Aptitude & Reasoning	No expense	Mathematics Club, NASC	63	Preethi Prabhakaran, State Bank of Travancore, Kannur	Nil
8	Lecture	26/09/14	Integral Equations of the First Kind	UGC	Kerala Mathematical Association	117	Prof. M. Thamban Nair	9
9	Lecture	26/09/14	How Good is a Method of Solving a Problem?	UGC	Kerala Mathematical Association	117	Prof. V.G. Tikekar	
10	Lecture	26/09/14	Orthogonality in Banach Spaces	UGC	Kerala Mathematical Association	117	Dr. J.R.V. Edward	
11	Lecture	26/09/14	Metric Vector Spaces Theory of Bilinear Forms	UGC	Kerala Mathematical Association	117	Dr. K.T. Ravindran	
12	Lecture	27/09/14	Some Interesting Fixed Point Theorems	UGC	Kerala Mathematical Association	117	Prof. K. Balachandran	

Sl. No.	Name of Course	Date	Title	Funding agency	Collaboration	Participants	Resource Persons	Papers Presented
13	Lecture	27/09/14	Pairs of Subspaces in Generic Position	UGC	Kerala Mathematical Association	117	Dr. P. Sam Johnson	9
14	Lecture	27/09/14	Continuous Linear Operators in Probabilistic Normed Spaces	UGC	Kerala Mathematical Association	117	Dr. P.K. Harikrishnan	
15	Lecture	27/09/14	Derivation of Riemann Functional Equation using Bifunction Laplace Transform a Research Oriented Discussion	UGC	Kerala Mathematical Association	117	Prof. K. Kannan Nambiar	
16	Lecture		Astronomy	College Union	Mathematics Association, NASC	80	A.V. George, Associate Professor, S.E.S. College, Sreekandapuram	Nil
17	Lecture	22/02/16	Learning and Memory	College Union	Mathematics Association, NASC	80	Dr. C.P. Santhosh, Assistant Professor, Govt. Polytechnic College, Mattannur	Nil
18	Lecture	08/01/16	Goal Setting	PTA	Mathematics Club, NASC		Soumya S. Madhavan, Psychologist, Amrutha Vidyalaya, Kanhangad	Nil
19	Lecture	08/02/16	Interview session	Free of cost	Mathematics Club, NASC		Sumayya Mohammed, ILFS Trainer, REACH, Pilathara	Nil
20	Lecture	29/01/15	Improving Memory Skills	PTA	Mathematics Club, NASC		Prabhakaran P.S., Principal, Gangothri English Medium School, Nemmara, Palakkad	Nil

## 33. Teaching methods adopted to improve student learning

- Uses LCD projector to communicate concepts where a visual image will help.
- Makes the students familiar with software like LaTeX, as part of curriculum and by making them prepare the project report in LaTeX.
- Promotes e-learning by encouraging the students to use online resources for study, assignments and projects.
- Uses projects, mandatory as per curriculum, as a tool to improve learning.
- Uses problem solving as the most effective tool to model the problem, make the introduced concept clear, make students to apply it, develop problem solving ability and to develop the power of intuition
- Uses assignments for developing the habit of learning concepts linked to the curriculum.
- Promotes participation in courses in reputed institutions  
eg.: Udithkumar K.P., Shyamlal Yadav, Nandakishor A. of II year B.Sc. Mathematics (and Vipin Narayanan, II B.Sc. Statistics) attended the Undergraduate Mathematics Training Camp of Centre for Mathematical Sciences from the 14th to the 22nd of September, 2013 at Changanassery.

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Mathematics Club organized an exhibition '1729' on 29.01.2015 for conveying the deep concepts of Mathematics in a simple way to the students of neighbouring schools and the public. 430 students from 15 schools watched the exhibition.
- Sri Prabhakaran P.S., Principal, Gangothri English Medium School, Nemmara, Palakkad, gave a lecture on techniques for improving memory skills to the students who came from various schools to visit the exhibition '1729'.
- The Mathematics Club took initiative to make the students participate in the exhibition XVISION organized by the Maths Forum Kannur-Kasaragod held at Poomala Auditorium, Cheruvathur on 28.09.2015
- Staff members are active in the following ways
  - Engaging bridge courses - Dr. P.V. Reeja and K.M. Sajitha engaged bridge courses at Trikaripur Engineering College, Cheemeni on 29.07.2016 and 30.07.2016.
  - Reviewing and refereeing - Dr. T. Dinesh and Dr. P.V. Reeja review research papers for American Mathematical Society and Dr. T. Dinesh referees papers for 3 international journals.
  - Direct link with society - Dr. T. Dinesh has been the Treasurer of Perole Residents' Association for the past 4 years
- Faculty are encouraging participation in activities of
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club, nurture social responsibility
- Faculty are extending service and participation in extension activities through

- NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coaching Centre for SC/ST/OBC and Minorities, Health Club

35. SWOC analysis of the department and Future plans Plan of action of the department for the next five years

### **SWOC Analysis**

#### **• Strengths**

- Well qualified and experienced faculty
- Intake of Studious students
- Good performance in University examinations
- Good number of Publications in peer reviewed journals/Books
- Publications of articles/books by students
- Active and creditable PTA support
- Participation of students in NCC/NSS and various clubs for social enrichment
- Excellent participation in sports and arts
- Faculty having research background
- Faculty exposed to recent advancements through reviewing and refereeing research papers in journals
- Seminars/lectures for student enrichment
- Training/counselling to students for attending competitive examinations through Mathematics Club
- Exhibitions for making theory into practice and for extending the subject knowledge to the outside community
- Smart class room for III B.Sc.
- Support from National Board of Higher Mathematics for the development of the department library
- Good collection of subject related books in the central library

#### **• Weakness**

- Not yet a research centre
- Lack of linkage and collaborations with premier institutes
- Lack of good Department library
- No interdisciplinary Programmes
- No PG programmes
- No research guides

#### **• Opportunities**

- Linkage and collaborations with Institutions like Central University of Kerala,
- Young, dynamic and highly talented teachers for guidance in Projects/Research
- Commencement of Post-Graduate Programmes
- Upgradation into a Research centre
- E-learning using unlimited high speed broadband internet and Wifi facilities

#### **• Challenges**

- Lack of sufficient opportunities for PG and research in the region.
- Financial backwardness of students
- Unable to attract students both from south-Kerala and outside Kerala
- Fall in the number of male enrolment in the UG programme
- Tight schedule of semester system

### **Future Plans**

- To start M.Sc. course in Mathematics with elective papers in some of the new areas of Mathematics
- To organise national seminars on
  - History of Mathematics
  - Classical Areas in Mathematics like Algebra and Topology
  - Recent Advances in Mathematics
- To expand the activities of the Mathematics Association and Mathematics Club.
- To form Alumni Association of former students of B.Sc. Mathematics.
- To form an Academic Resource Centre for research scholars in Mathematics in and around Kasaragod.
- To set up a research centre in Mathematics.
- To take up research projects utilizing funds of agencies like UGC and NBHM.
- To provide assistance to students of neighbouring institutions for doing M.Sc. projects.

## Department of Physical Education

1. Name of the Department: Department of Political Science
2. Year of Establishment: 1989
3. Names of the programmes offered: Nil
4. Names of interdisciplinary courses and the departments/units involved: Nil
5. Annual/Semester/choice based credit system (programme wise): Nil
6. Participation of the department in the courses offered by other departments:  
 Department trains the students of the college in various events of sport/games/athletics. Both the teachers engage in training work in the college ground from 7 to 9 am and from 3.30 to 5 pm on all working days. Everyday from 10 am to 1 pm, they plan and develop strategies that are to be implemented and do administration work.
7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	1	1
Assistant Professors	1	1
Guest Lecturer	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Dr. E. A. Sreedharan	Associate Professor and HoD	M.P.Ed., M.Phil., Ph.D.	Athletics, Kabaddi, Kalaripayattu	24	N.A.
Sudheesh M. K.	Guest Faculty	M.P.Ed., M.Phil.	Volleyball, Yoga, Sports Psychology	1	N.A.

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil
13. Student teacher ratio (programme wise): 600:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

- Official Coach for Basketball appointed by Kerala Sports Council in every academic year.
- Special Coaches are arranged by the college for the following items:
  - Wrestling (Men)
  - Kho-kho (Men and Women)
  - Kabadi (Men and Women)
  - Taekwondo (Men and Women)
  - Cricket (Men and Women)

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Dr. E. A. Sreedharan	M.P.Ed., M.Phil., Ph.D.
Sudheesh M. K.	M.P.Ed., M.Phil.

16. Number of faculty with ongoing projects from a) national and b)international funding agency and grants received: Nil

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.: Nil

18. Research centre/facility recognized by the University: Nil

19. Publications: Nil

20. Areas of consultancy and income generated: Nil

21. Faculty members in

- (a) National Committees:
- (b) International Committees:
- (c) Editorial boards:

Name	Position	Committee
Dr. E. A. Sreedharan	Member	Sports Advisory Board, Kannur University (2012-16)
Dr. E. A. Sreedharan	Member	Selection Committee for Various Games, Kannur University (2012-16) (Wrestling, Kho-kho, Kabadi)
Dr. E. A. Sreedharan	Member	Staff Selection Committee-Police Department, Kerala Public Service Commission, Kerala State (2014-16)
Dr. E. A. Sreedharan	Member	Staff Selection Committee-Forest Department, Kerala Public Service Commission, Kerala State (2016)

22. Student projects: N.A.



23. Awards/Recognitions received by faculty and students:

Report of the Intercollegiate level achievements during the assessment period is given as Appendix X.

24. List of eminent academicians and scientists/visitors to the department: Nil

25. Seminars/Conference/Workshops organized and the source of funding

(a) State Level

• Events Organized during 2012-13

Sl. No	Event	Source of funding
1	Kannur University Inter-collegiate Women Kabbadi Tournament	Kannur University
2	District Senior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
3	District Junior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
4	District Junior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
5	District Sub-Junior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
6	District School Junior Boys & Girls Basket Ball Tournament	Basketball Association, Kasaragod Dt.

• Events Organized during 2013-14

Sl. No	Event	Source of funding
1	District Senior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
2	District Junior League Men Basket Ball Tournament.	Basketball Association, Kasaragod Dt.
3	District Sub-Junior League Women Basket Ball Tournament	Basketball Association, Kasaragod Dt.
4	Kasaragod District School games	Organisers of Kasaragod District School Games
5	Kasaragod District Keralolsavam	District Panchayat, Kasaragod Dt.

• Events Organized during 2014-15

Sl. No	Event	Source of funding
1	Kannur University Inter-collegiate Women Kabbadi Tournament	Kannur University
2	Kannur University Inter-collegiate Women Kho-Kho Tournament	Kannur University
3	District Senior League Men Basket Ball Tournament	Basketball Association, Kasaragod Dt.
4	District School Junior Boys & Girls Handball Ball Tournament	Handball Association, Kasaragod Dt.
5	District School Junior Boys & Girls Basket Ball Tournament	Basketball Association, Kasaragod Dt.

• Events Organized during 2015-16

Sl. No	Event	Source of funding
1	Kannur University Inter-collegiate Women Cricket Tournament	Kannur University
2	District School Junior Boys & Girls Handball Ball Tournament	Handball Association, Kasaragod Dt.
3	District School Junior Boys & Girls Basketball Ball Tournament	Basketball Association, Kasaragod Dt.
4	Kasaragod district Keralolsavam	District Panchayat, Kasaragod Dt.

(b) National Level: Nil

(c) International: Nil

26. Student profile programme/course wise: N.A.

27. Diversity of students: N.A.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?: N.A.

29. Student progression

Student Progression		Against % Enrolled
UG to PG		N.A.
PG to M.Phil.		N.A.
PG to Ph.D.		N.A.
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	N.A.
	Other than campus recruitment	N.A.
Entrepreneurship/Self-employment		N.A.

30. Details of Infrastructural facilities

(a) Library: Books and journals are in the centralized library. In the assessing period, books for Rs. 26,000 were added to the existing collection.

(b) Internet facilities for staff and students

- Existing internet facility was upgraded to free high speed internet with Wi-Fi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre rennovated into a Conference Hall cum Computer Centre with high speed networking and Wi-Fi
- Central Library is provided with high speed networking and Wi-Fi facility

(c) Class rooms with ICT facility: N.A.

(d) Laboratory: N.A.

(e) Other facilities:

Track and field	200 m track, Starting blocks, Hammer, Disc, Shot put, Javelin, Hurdles, High jump stand, sports equipments for cricket, kho-kho, handball, boxing, hockey, taekwondo
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Football ground	Standard size
Kabaddi court	Standard size
Volleyball court	Standard size
Basketball court	Standard size
Table Tennis	Standard size
Shuttle badminton court	Standard size
Gymnasium	Weight lifting equipments and Medicine balls for different weight category.
Yoga	Open auditorium/ Mini auditorium

31. Number of students receiving financial assistance from college, University, government or other agencies:

Number of students	Financial assistance	Funding agency
95	Rs. 1,50,000	College

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts Special coaching classes for Basketball, Wrestling, Kho-kho, Kabadi, Taekwondo and Cricket before the commencement of the games

33. Teaching methods adopted to improve student learning

- Special coaching is given to the Basketball team utilising an authorised trained coach from the Kerala Sports Council in every academic year.
- Modern techniques in training are introduced to the students by arranging special coaches for the following items:
  - Wrestling (Men)
  - Kho-kho (Men and Women)
  - Kabadi (Men and Women)
  - Taekwondo (Men and Women)
  - Cricket (Men and Women)

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Encouraging participation in activities of
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club, nurture social responsibility
- Extending service and participation in extension activities through
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coaching Centre for SC/ST/OBC and Minorities, Health Club

35. SWOC analysis of the department and Future plans

- Future plans:
  - Construct a full fledged indoor stadium
  - Renovation of the existing Mini-Gymnasium
  - Regular Yoga classes for all students and staff

- Construction of good cricket pitch
- To conduct enrichment programmes like Seminars, Conference, Workshops
- To give coaching in traditional martial art Kalari Payattu of Kerala
- SWOC Analysis:
  - **Strengths**
    - \* Well qualified and experienced faculty
    - \* Excellent participation and performance in Sports and Games
    - \* Strong alumni
    - \* Active and creditable PTA support
    - \* Sports hostel for boys
    - \* Mini-Gymnasium
    - \* Track and Fields
    - \* Play grounds
    - \* Volley ball court, Shuttle badminton court, Table Tennis
    - \* Availability of special coaches from sports council
    - \* Remarkable achievements in sports and games
    - \* Hosting different sports and games of University/Agencies
  - **Weakness**
    - \* Lack of national Seminars
    - \* No add-on Courses
    - \* Lack of good Departmental library
    - \* No extension and outreach Programmes
  - **Opportunities**
    - \* Participation in University/State/National sports and games
    - \* Training by special coaches from sports council
    - \* Health promotion
    - \* Lifestyle modification
    - \* Recreational sport opportunities
    - \* Physical fitness training
  - **Challenges**
    - \* Fall in the number of male enrolment in UG and PG programmes
    - \* Tight schedule of semester system

## Department of Physics

1. Name of the Department: Department of Physics

2. Year of Establishment: 1968

3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B. Sc. Physics (Core)
UG	B.Sc. Physics (Complementary)
PG	M.Sc. Physics

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Chemistry in service to man	Open to all nine departments
Environmental Physics	
Biophysics	
Electricity in Life	

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
B.Sc. Physics	Choice Based Credit and Semester System
M.Sc. Physics	Credit and Semester System

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the complementary courses of the UG in Polymer Chemistry. Students of the department are free to choose any of the open courses offered by other departments.

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	4	4
Assistant Professors	2	2
Junior Lecturers	3	3

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Sreelekha M.	Associate Professor (Retd. On 31/05/14)	M.Sc.	Mathematical Physics (Theoretical)	30	N.A.
Dr. K. Pradeep Kumar	HoD, Associate Professor (Retd. On 31/05/15)	M.Sc., M.Phil., Ph.D.	Nuclear Physics (Theoretical)	31	N.A.
K. B. Anitha	HoD, Associate Professor	M.Sc., M.Phil.	Nuclear Physics (Theoretical)	31	N.A.
Dr. K. M. Udayanandan	Associate Professor	M.Sc., M.Phil., Ph.D.	Statistical Mechanics (Theoretical)	30	6
P. V. Sidharthan	Associate Professor	M.Sc., M.Phil.	Statistical Mechanics (Theoretical)	29	N.A.
Dr. R. K. Sathish	Associate Professor	M.Sc., M.Phil., B.Ed, Ph.D.	Statistical Mechanics (Theoretical)	23	N.A.
Dr. K. V. Murali	Assistant Professor	M.Sc., M.Phil., B.Ed., PGDCA, CSIR-NET, Ph.D.	Materials Science (Experimental)	21	N.A.
Dr. K. Naseema	Assistant Professor	Materials Science (Experimental)	Pure Chemistry	21	5
Neena Raman	Jr. Lecturer	M.Sc., M.Phil., B.Ed.	Nuclear Physics (Theoretical)	21	N.A.
R. Rameshkumar	Jr. Lecturer	M.Sc., M.Phil., B.Ed.	Nuclear Physics (Theoretical)	21	N.A.
Dr. A. J. Ragina	Jr. Lecturer (left us on 03/06/13)	M.Sc., M.Phil, B.Ed., Ph.D.	Materials Science (Experimental)	17	N.A.
T. V. Sathyan	Jr. Lecturer	M.Sc., M.Phil, B.Ed.	Materials Science (Experimental)	21	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student teacher ratio (programme wise)

B.Sc. Physics	24:1
B.Sc. Physics	4:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Designation	Sanctioned	Filled
Lab Assistant	3	3

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Sreelkha M. (Retd.)	M.Sc.
Dr. K. Pradeep Kumar (Retd.)	M.Sc., M.Phil., Ph.D.
K. B. Anitha	M.Sc., M.Phil.
Dr. K. M. Udayanandan	M.Sc., M.Phil., Ph.D.
P. V. Sidharthan	M.Sc., M.Phil.
Dr. R. K. Sathish	M.Sc., M.Phil., B.Ed, Ph.D.
Dr. K. V. Murali	M.Sc., M.Phil., B.Ed., PGDCA, CSIR-NET, Ph.D.
Dr. K. Naseema	M.Sc., M.Phil., Ph.D.
Neena Raman	M.Sc., M.Phil., B.Ed.
R. Rameshkumar	M.Sc., M.Phil., B.Ed.
Dr. A. J. Ragina	M.Sc., M.Phil., B.Ed., Ph.D.
T. V. Sathyan	M.Sc., M.Phil., B.Ed.

16. Number of faculty with ongoing projects from a) national and b)international funding agency and grants received :

Project Type	No. of Faculties	Grants received	Status
National	1	Rs. 95,000	Completed: 1
International funding agencies	Nil	NA	NA

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.:

Name of the principal investigator	Title	Funding agency	Grant amount	Status
Dr. K. M. Udayanandan	Study of Bose-Einstein condensation in harmonic oscillator potential	UGC	Rs. 95,000	Completed

18. Research centre/facility recognized by the University: Applied for approval.

## 19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications				Number of publications in Conference Proceedings
	Regional/State	National	International	Listed in International Database	
Dr. K. Pradeepkumar	-	-	-	-	1
Dr. K. M. Udayanandan	1	4	4	4	6
P. V. Sidharthan	1	1	-	-	-
Dr. R. K. Sathish	1	4	4	4	7
Dr. K. V. Murali	1	-	6	6	6
Dr. K. Naseema	1	-	3	3	1
Dr. A. J. Ragina	-	-	6	6	-
T. V. Sathyan	-	-	-	-	2

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Dr. K. M. Udayanandan	-	-	-	1	-	-
Dr. K. V. Murali	4	-	-	-	-	-
Dr. K. Naseema	-	2	-	-	-	-
Dr. A. J. Ragina	4	-	-	-	-	-

Details are given in Appendix Q.

## 20. Areas of consultancy and income generated:

Research level consultancy in Material Science, Statistical Mechanics and Computer Programming (Python)	free of cost
Consultancy in Setting up of Physics Laboratory to self financing colleges and higher secondary schools in Kannur and Kasaragod District	free of cost (MoU with Association of Higher Secondary School Teachers, Kasaragod District)

## 21. Faculty members in

- (a) National Committees:

Name	Position	Committee
Dr. K. M. Udayanandan	State President, Kerala	Indian Association of Physics Teachers

- (b) International Committees: Nil



(c) Editorial boards:

Name	Position	Book/magazine/Journal
Dr. K. M. Udayanandan	Editor	Academia

## 22. Student projects

(a) Percentage of students who have done in-house projects including inter departmental/programme

Year	UG Project (Mandatory)
2012	100
2013	100
2014	100
2015	100
2016	100

Year	PG Project (Mandatory)
2012	91
2013	100
2014	100
2015	81
2016	64

(b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies:

Year	Percentage of students	Organization/institution
2012	9	Payyannur Campus, Kannur University
2013	Nil	-
2014	Nil	-
2015	19	Sir Syed College, Thaliparamba
2016	36	Central University of Kerala

## 23. Awards/Recognitions received by faculty and students

## • Faculty

– Dr. K. V. Murali

Honors/Awards	Agency	Date of award
Certificate of Outstanding Contribution in Reviewing	Materials Science and Engineering B (Impact factor: 2.331) (Elsevier)	May 2015
Certificate of Reviewing	Materials Research Bulletin (Impact factor: 2.435) (Elsevier)	May 2015
Certificate of Reviewing	Materials Science in Semiconductor Processing (Impact factor:2.264) (Elsevier)	May 2015
Certificate of reviewing	Materials Science and Engineering B (Impact factor: 2.331) (Elsevier)	May 2014
Certificate of Reviewing	Materials Science and Engineering B (Impact factor: 2.331) (Elsevier)	May 2013
Certificate of Outstanding Contribution in Reviewing	Materials Science and Engineering B (Impact factor: 2.331) (Elsevier)	May 2013

Honors/Awards	Agency	Date of award
Research fellowship	UGC (Faculty Development Programme)	02/02/10 to 01/02/12

• **Students**

Programs	2012	2013	2014	2015	2016
B.Sc. Physics	-	-	-	III Rank	III Rank
M.Sc. Physics	-	-	II Rank	III Rank	-

Achievements of the students in sports, fine arts, NCC, NSS are shown in Appendices X, Y, K, L respectively.

24. List of eminent academicians and scientists/visitors to the department:

25. Seminars/Conference/Workshops organized and the source of funding

(a) State/Regional Level

Sl. No.	Topic	Source of Funding	Date
1	Workshop on Quantum mechanics sponsored	PTA	04/03/15 to 08/03/15
2	Workshop on Mathematical Physics	KSCSTE	11/02/15 to 13/02/15
3	One day Seminar on Astronomy	Astro Payyannur and KSCSTE	01/10/15
4	Workshop on Tensors	PTA	2015

(b) National Level

Sl. No.	Topic	Source of Funding	Date
1	Two weeks refresher course in "Statistical Physics"	Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, Allahabad	29/04/12 to 12/05/13
2	Two weeks refresher course in "Statistical Physics"	Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, Allahabad	08/05/13 to 21/05/13
3	National Seminar on "Frontiers in Materials Science"	PTA	15/02/16

(c) International: Nil

## 26. Student profile programme/course wise:

B.Sc. Physics					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	1946	40	16	26	97
2013-14	1989	41	14	27	92
2014-15	1851	42	12	30	92
2015-16	856	41	11	30	92
2016-17	958	41	12	29	97

M.Sc. Physics					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	151	11	0	11	100
2013-14	124	11	3	8	100
2014-15	138	11	1	10	-
2015-16	151	11	0	11	-
2016-17	178	11	0	11	-

## 27. Diversity of students

B.Sc. Physics			
Academic Year	% of the students from the same state	% of the students from the other states	% of the students from abroad
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

- Number of students who have passed UGC-JRF/NET/GATE during the assessment period: 4
- Approximately more than 22 students have cleared NET/SLET/GATE since the inception of the Department.
- No. of students cleared competitive examinations of Defence services during the assessment period: 3
- Approximately 15 students cleared competitive examinations of Defence services so far

## 29. Student progression

Student Progression	Against % Enrolled
UG to PG	62
PG to M.Phil.	10
PG to Ph.D.	10

Student Progression		Against % Enrolled
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	5
	Other than campus recruitment	10
Entrepreneurship/Self-employment		5

## 30. Details of Infrastructural facilities

(a) Library: 2037 books, 11 journals. e-journals using N-LIST

(b) Internet facilities for Staff &amp; Students

- Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre renovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
- Central Library is provided with high speed networking and WiFi facility

(c) Class rooms with ICT facility

A smart class room set up for PG students and final year UG students in 2013-14.

(d) Laboratories

- A full fledged laboratory with equipments and devices necessary for conducting UG programme including the mandatory project work. Muffle furnace, immersion pump, micro pipette etc. were purchased.
- Laboratory has facilities for carrying out minor research work also.

31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies: More than 75% of the students are getting financial assistance from various government agencies. Year wise details are provided in para 5.1.3.
- Scholarship from PTA: Details are given in para 5.1.2.
- Scholarship from Alumni: Details are given in para 5.1.2.
- Endowment: Details are given in para 5.1.2.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sl. No.	Topic	Source of funding	Collaboration	Resource Persons	Date
1	Seminar on Nano crystals	PTA	-	Dr. Binitha M. P., Assistant Professor, Govt. College, Kodanchery	16/01/17
2	National Seminar on Frontiers in Materials Science	PTA	National Institute of Technology, Karnataka, Suratkal	Prof. Dr. K.J.Thomas of Central University, Kerala Prof. Dr. Umesh G, NITK, Suratkal Dr Aneesh P M, Assistant Professor, Central University Kerala	15/02/16

Sl. No.	Topic	Source of funding	Collaboration	Resource Persons	Date
3	Resource sharing workshop on Quantum Mechanics	PTA	-	Dr. Praseed, Associate Professor, Sir Syed College, Talipramba	04/03/15 - 08/03/15
4	Workshop on Mathematical Physics	KSCSTE	-	Prof. V. P. Abdullakutty, Sir Syed College, Taliparamba, Mr. Aneesh, Assistant Professor, Engineering College, Trikaripur, Ms. Lisha Damodharan, Assistant Professor, Govt. Brennen College, Thallassery	11/02/15 - 13/02/15
5	Seminar on Astronomy	Astro Payyannur	KSCSTE	Prof. M. Gopalan, president Sasthra Sahitya Parishat Kasaragod, Mr. V. P. Balagopalan Retd. Scientist ISRO Mr.K.Gangadaran master, Astro Payyannur	01/10/15
6	Workshop on Tensors	PTA	-	Dr Sethumadhavan, Rtd HoD, SN College	-
7	Two weeks refresher course in Statistical Mechanics	PTA	Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, Allahabad	K P N Murthy, Professor, School of Physics, University of Hyderabad, Chandan Das Gupta, Department of Physics, Indian Institute of Science, Bangalore, Prof. Deepak Dhar. Tdep[t. Of Theoretical Physics, Tata Institute of Fundamental Research, Prof. Vishnu M Bannur, Dept. of Physics, Calicut University, Prof. Rajesh, Institute of Mathematical Sciences, Chennai	08/05/13 - 21/05/13
8	Two weeks refresher course in Statistical Mechanics	PTA	Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, Allahabad	K P N Murthy, Professor, School of Physics, University of Hyderabad, Gautam Menon, Professor, The Institute of Mathematical Sciences, Chennai, Chandan Das Gupta, Department of Physics, Indian Institute of Science, Bangalore, Prof. Deepak Dhar. Tdep[t. Of Theoretical Physics, Tata Institute of Fundamental Research,	29/04/12 - 12/05/12

## 33. Teaching methods adopted to improve student learning

- Experiment based learning in Laboratory
- Activity Based learning in Laboratory

- Practical tests
- Presentations
- Assignments
- Seminars
- Problem solving
- Viva-voce after every module
- Project work
- ICT based learning
- Resource sharing workshops by faculties of neighbouring colleges

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Encouraging participation in activities of
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club, nurture social responsibility
- Extending service and participation in extension activities through
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coaching Centre for SC/ST/OBC and Minorities, Health Club

35. SWOC analysis of the department and Future plans

**SWOC Anaysis**

- **Strengths**
    - Well qualified and experienced faculty
    - Intake of Studious students
    - Excellent number of NET/JRF/SLET/SET holders
    - PhD guides and researchers
    - Excellent performance in University examinations
    - National seminars/conferences/workshops for disseminations of knowledge
    - Research and Project work
    - Well equipped laboratories
    - Computer Laboratory for PG Programmes
    - Uninterrupted power supply using Generator
    - Linkage and collaborations with premier institutes
    - Good number of Publications in peer reviewed journals/Books
    - Publications of articles by students
    - Commendable Alumni support
    - Active and creditable PTA support
    - Smart classrooms for UG and PG programmes
    - Participation of students in NCC/NSS and various clubs for social enrichment
    - Excellent participation in sports and arts
-

- Support for E-learning and interactive simulations based studies
- **Weakness**
  - Not yet a research centre
  - Lack of International Seminars
  - No add-on Courses
  - No interdisciplinary Programmes
  - No extension and outreach Programmes
- **Opportunities**
  - Linkage and collaborations with Institutions like Central University of Kerala,
  - Young, dynamic and highly talented teachers for guidance in Projects/Research
  - Upgradation into a Research center
  - E-learning and interactive simulations base studies using unlimited high speed broadband internet and Wifi facilities
- **Challenges**
  - Lack of placement opportunities after completion of UG/ PG programmes
  - Refraining from higher studies by a major portion of girl students after PG programmes
  - Unable to attract students both from south-Kerala and outside Kerala
  - Fall in the number of male enrollment in UG and PG programmes
  - Tight schedule of semester system

### **Future Plans**

- **Academics**
  - (a) To continue the teaching programmes more rigorously to promote the students to achieve higher learning as well as placements.
  - (b) To continue the organization of Seminars, Workshops and Invited Talks in the relevant subjects to cherish the knowledge and understanding of the respective subjects
  - (c) To develop an interactive platform for the PG students with the teachers and under-graduate students to inculcate their knowledge
  - (d) To facilitate to attend and study the subject matters from the classes of senior professors of Premier institutes using network facilities.
- **Research**
  - (a) To establish an approved Research centre in the Post-Graduate Department of Physics under Kannur University.
  - (b) Continue active research in the field of Statistical Mechanics.
  - (c) Continue active research in the fields of Materials Science - Nanomaterials, metal oxide and metal chalcogenide thin films, crystal growth, dye sensitized solar cells, super-capacitors
  - (d) Extend the research work in the field of thin film super-capacitors.
  - (e) Extend the research work in the field of renewable energy sources like thin film solar cells

- (f) Extend the research work to study the soling effect on solar cells implemented in the Kasaragod and neighbouring Kannur district.
- (g) Start active research in Materials science in both experimental and modeling areas by collaborating with the Central University of Kerala, which is situated in the Kasaragod District.
- (h) To motivate and bring other branches of sciences Chemistry, Zoology, Plant science, Mathematics and Statistics Departments of the College to conduct active research in correlation especially in the field of Materials science and Statistical Mechanics
- (i) To begin active research in the fields of nuclear physics.
- (j) To continue the organization of Seminars, Workshops and Invited Talks in the newly emerging and advance areas of Physics and allied branches to nurture the knowledge as well as to motivate the teachers and students to do research in such areas.
- (k) Facilitate to implement small scale projects for M.Sc., M. Phil., and Ph.D. students of other institutions of the Kasaragod and neighboring Districts
- (l) Plan to start consultancy for computational facilities for research workers in Kasaragod District using the proposed e-learning centre.
- (m) To hold short-term training programmes in Programming languages like Python, Matlab, Latex etc to enhance research work
- (n) To seek, promote and implement the Project suggestions of Degree and PG students.
- (o) To be a corridor for linking Post Graduate teaching and active research with the premier research institutes like IIT, IISc, NIIST, RRI, Universities, Central Universities, NIT etc and there by promote the talented students of this most backward district of Kerala



## Department of Political Science

1. Name of the Department: Department of Political Science

2. Year of Establishment: 1989

3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B.A. Political Science (Complementary and Open)

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Media and Politics	Open to all the nine departments
Gender and Politics	
Dynamics of Indian Politics	

5. Annual/Semester/choice based credit system (programme wise):N.A.

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the complementary course of the B.A. History and open course.

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Dr. M. Muralidharan Nambiar	Associate Professor and HoD	M.A. History, M.A. Political Science, M.Phil., Ph.D.	Indian Constitution, Indian Government and Politics	30	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student teacher ratio (programme wise): N.A.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Dr. M. Muralidharan Nambiar	M.A. History, M.A. Political Science, M.Phil., Ph.D.

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received:

Project Type	No. of Faculties	Grants received	Status
National	1	Rs. 1,05,000	Completed
International funding agencies	Nil	N.A.	N.A.

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.:

Name of the principal investigator	Title	Funding agency	Grant amount	Status
Dr. M. Muralidharan Nambiar	A Study of Beedi Workers in the Globalized Era: Comparison between Organized and Unorganized Sectors in North Malabar	UGC	Rs. 1,05,000	Completed

18. Research centre/facility recognized by the University: Nil

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications				Number of publications in Conference Proceedings
	Regional/ State	National	International	Listed in International Database	
Dr. M. Muralidharan Nambiar	-	1	1	-	3

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Dr. M. Muralidharan Nambiar	-	-	-	-	1	-

Details are given in Appendix Q.

20. Areas of consultancy and income generated: Nil

21. Faculty members in

(a) National Committees:

(b) International Committees:

(c) Editorial boards: 1

- Dr. M. Muralidharan Nambiar

- Proceedings of the two day national seminar on Human Rights Issues of Unorganized Sector in North Malabar, conducted by the Department of Political Science, Nehru Arts and Science College Kanhangad on 23rd and 24th January 2015.

22. Student projects

(a) Percentage of students who have done in-house projects including inter departmental/programme: N.A.

(b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies: N.A.

23. Awards/Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists/visitors to the department:

- Prof. G. Gopakumar, Vice Chancellor, Central University of Kerala

25. Seminars/Conference/Workshops organized and the source of funding

(a) National Level

Sl. No.	Topic	Source of Funding	Date
1	Human Rights Issues of Unorganized Workers in Malabar Region	UGC	23/01/15-24/01/15

(b) International: Nil

26. Student profile programme/course wise: N.A.

27. Diversity of students: N.A.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?: N.A.

29. Student progression

Student Progression	Against % Enrolled
UG to PG	N.A.
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.

Student Progression		Against % Enrolled
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	N.A.
	Other than campus recruitment	N.A.
Entrepreneurship/Self-employment		N.A.

## 30. Details of Infrastructural facilities

- (a) Library: 491 books, 1 Journal, e-journals using N-LIST
- (b) Internet facilities for staff and students
- Existing internet facility was upgraded to free high speed internet with Wi-Fi for students and teachers during 2014 under the NMEICT scheme.
  - Existing College Computer Centre rennovated into a Conference Hall cum Computer Centre with high speed networking and Wi-Fi
  - Central Library is provided with high speed networking and Wi-Fi facility
- (c) Class rooms with ICT facility: N.A.
- (d) Laboratory: N.A.

31. Number of students receiving financial assistance from college, University, government or other agencies: N.A.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sl. No.	Topic	Source of Funding	Date
1	Human Rights Issues of Unorganized Workers in Malabar Region	UGC	23/01/15-24/01/15

## 33. Teaching methods adopted to improve student learning

- Assignments
- Seminars
- Presentation

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Faculty served as
  - NSS Program Officer
  - Public Information Officer, NASC Kanhangad
  - Presiding Officer for General Election to Lok Sabha, Kerala SLA and Kerala LSG
  - Resource person for election classes conducted by Election Commission for Presiding and Polling Officers
  - President, Rotary Club, Nileshwar during 2015-16
  - Counting Supervisor for General Election to Kerala LSG
  - Life Member, Kerala Political Science Association

- Observer for AIPMT - NEET examination from 2012 onwards
- Prepared study material for distance education, Kannur University in 2014
- Given guidance to project work for M.A. (SDE) of Kannur University

35. SWOC analysis of the department and Future plans Plan of action of the department for the next five years

#### **SWOC Analysis**

##### • **Strengths**

- Well qualified and experienced faculty
- Supervising PhD guide
- National seminars/conferences/workshops for disseminations of knowledge
- Minor research and Project work
- Good number of Publications in peer reviewed journals
- Active and creditable PTA support

##### • **Weakness**

- Lack of linkage and collaborations with premier institutes
- No add-on Courses
- No UG programmes
- No extension and outreach Programmes

##### • **Opportunities**

- Commencement of UG Programmes
- E-learning using unlimited high speed broadband internet and Wifi facilities

##### • **Challenges**

- Tight schedule of semester system

#### **Future Plans**

- To commence a new B.A. Political Science course.
- To equip the students for preparing civil service examination.

## Department of Sanskrit

1. Name of the Department: Department of Sanskrit
2. Year of Establishment: 2014
3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	Complementary course for B.A. Malayalam

4. Names of interdisciplinary courses and the departments/units involved: Nil
5. Annual/Semester/choice based credit system (programme wise): NA
6. Participation of the department in the courses offered by other departments:  
Faculty of the department handle the complementary course of B.A. Malayalam.
7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of teaching posts:

Designation	Sanctioned	Filled
Guest Faculties	0	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Anu A. P.	Guest Lecturer	M.A.	Marathukali	3	N.A.

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 100
13. Student teacher ratio (programme wise): N.A.
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.
15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./PG

Name	Qualification
Anu A. P.	M.A.

- 
16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received : Nil
  17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.: Nil
  18. Research centre/facility recognized by the University: Nil
  19. Publications: Nil
  20. Areas of consultancy and income generated: Nil
  21. Faculty members in
    - National Committees: Nil
    - International Committees: Nil
    - Editorial boards: Nil
  22. Student projects: N.A.
  23. Awards/Recognitions received by faculty and students: Nil
  24. List of eminent academicians and scientists/visitors to the department: Nil
  25. Seminars/Conference/Workshops organized and the source of funding: Nil
  26. Student profile programme/course wise: N.A.
  27. Diversity of students: N.A.
  28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?: N.A.
  29. Student progression: N.A.
  30. Details of Infrastructural facilities
    - (a) Library: e-journals using N-LIST
    - (b) Internet facilities for Staff & Students
      - Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
      - Existing College Computer Centre renovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
      - Central Library is provided with high speed networking and WiFi facility
  31. Number of students receiving financial assistance from college, University, government or other agencies: N.A.
  32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Nil
  33. Teaching methods adopted to improve student learning
-

- Assignments
- Seminars
- Presentation

34. Participation in Institutional Social Responsibility (ISR) and Extension activities Participation in activities of Sahityavedi, Folklore Club etc.

35. SWOC analysis of the department and Future plans

**Future Plan**

- To start B A Programme in Sanskrit



## Department of Statistics

1. Name of the Department: Department of Statistics

2. Year of Establishment: 1968

3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B.Sc. Statistics (Core)
UG	B.Sc. Statistics (Complementary and Open)
PG	M.Sc. Statistics
Doctoral	Ph.D. Statistics

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Sampling Techniques	Open to all the nine departments

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
B.Sc. Statistics	Choice Based Credit and Semester System
M.Sc. Statistics	Credit and Semester System
Ph.D. Statistics	N.A.

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the complementary courses of the UG in Mathematics, Students of the department are free to choose any of the open courses offered by other departments.

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	4	4
Assistant Professors	4	Nil
Guest Faculties	4	4

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
Dr. T. M. Surendranath	Associate Professor (Rtd. On 31/05/2015)	M.Sc., M.Phil., Ph.D.	Queueing Theory	32	-
Dr. K. K. Geetha	Associate Professor (Left us on 25/06/2014)	M.Sc, M.Phil, Ph.D.	Operations Research	29	-
Dr. K. Rajan	Associate Professor	M.Sc, M.Phil, Ph.D.	Population Studies	32	N.A.
Dr. P. V. Pushpaja	Associate Professor	M.Sc, M.Phil, Ph.D.	Testing of Hypotheses	31	N.A.
Dr. T. Vijayan	Associate Professor	M.Sc, Ph.D.	Inventory	28	7
Dr. K Radhakrishnan Nair	Associate Professor	M.Sc, B.Ed, M.Phil., Ph.D.	Survival Analysis	27	N.A.
Dr. P. Rekha	Guest Faculty	M.Sc, Ph.D.	Queueing Theory	3	N.A.
Poornima Shenoy	Guest Faculty	M.Sc	Econometrics	1	N.A.
V. K. Sreejaya	Guest Faculty	M.Sc	Econometrics	3	N.A.
A. V. Vidya	Guest Faculty	M.Sc	Econometrics	1	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

- 37% during academic year 2012-13
- 50% during academic year 2013-17

13. Student teacher ratio (programme wise)

B.Sc. Statistics (Core)	18:1
M.Sc. Statistics	5:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
Dr. T. M. Surendranath	M.Sc., M.Phil., Ph.D.
Dr. K. K. Geeta	M.Sc., M.Phil., Ph.D.
Dr. P. V. Pushpaja	M.Sc., M.Phil., Ph.D.
Dr. K. Rajan	M.Sc., M.Phil., Ph.D.

Name	Qualification
Dr. T. Vijayan	M.Sc., Ph.D.
Dr. K. Radhakrishnan Nair	M.Sc., B.Ed., M.Phil., Ph.D.
Dr. P. Rekha	M.Sc., Ph.D.
Poornima Shenoy	M.Sc.
V. K. Sreejaya	M.Sc.
A. V. Vidya	M.Sc.

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received :

Project Type	No. of Faculties	Grants received	Status
National	2	Rs. 1,86,000	Completed: 2
International funding agencies	Nil	NA	NA

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.:

Name of the principal investigator	Title	Funding agency	Grant amount	Status
Dr. P. V. Pushpaja	Parametric Tests Based on Generalised Lambda Distribution	UGC	Rs. 1,00,000	Completed
Dr. T. Vijayan	Decision Making Under Fuzzy Uncertainty in Inventory Management Problems	UGC	Rs. 86,000	Completed

18. Research centre/facility recognized by the University:

Research centre recognised by Kannur University.

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications				Number of publications in Conference Proceedings
	Regional/ State	National	International	Listed in International Database	
Dr. T. M. Surendranath	-	-	-	-	-
Dr. K. K. Geetha	-	-	-	-	-
Dr. P. V. Pushpaja	-	1	8	8	-
Dr. K. Rajan	-	-	-	-	-
Dr. T. Vijayan	-	-	-	-	-
Dr. K. Radhakrishnan Nair	-	1	1	1	-

- Chapters in Books/Books edited/authored: Nil

- Publications in Conference Proceedings: Nil
- Books: Nil
- Chapters in Books: Nil

Details are given in Appendix Q.

20. Areas of consultancy and income generated:

- The department offers consultancy for statistical data analysis for research scholars of various disciplines. But the service is offered free of cost and no revenue is generated.
- The Statistics Department has collaborated with the Kerala State Rubber Board in their studies on Socio-Economic Conditions of Rubber Cultivators. The department has also conducted the data analyses in connection with many research works leading to Ph.D Degree.

21. Faculty members in

(a) National Committees:

Name	Position	Committee
Dr. T. M. Surendranath	Member	Kerala Statistical Association (KSA), Indian Society for Probability and Statistics (ISPS), Indian Association for the Study of Population (IASP)
Dr. K. K. Geeta	Member	
Dr. P V Pushpaja	Member	
Dr. K. Rajan	Member	
Dr. T. Vijayan	Member	
Dr. K. Radhakrishnan Nair	Member	

(b) International Committees: Nil

(c) Editorial boards: Nil

22. Student projects

(a) Percentage of students who have done in-house projects including inter departmental/programme:

Year	UG and PG Project (Mandatory)
2012	100
2013	100
2014	100
2015	100
2016	100

(b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

23. Awards/Recognitions received by faculty and students

- Faculty
  - Dr. T. M. Surendranath was awarded the ‘Best NSS Programme Officer in Kannur University’ in 2013-2014.

- Dr. T. M. Surendranath was awarded Rashtra Vibushan Award on outstanding contribution for National Economic & Social Development in the year 2014.
- Dr. K. Radhakrishnan Nair has served as reviewer of e content for MOOC of CECU durin 2015-17.

- Students

Achievements of the students in sports, fine arts, NCC, NSS are shown in Appendices X, Y, K, L respectively.

24. List of eminent academicians and scientists/visitors to the department:

- (a) Dr. Saravanakumar V, Associate research officer, CMC, Vellore, Chennai
- (b) Dr. Silambarasan V, Biostatistician, CMC, Vellore, Chennai
- (c) Sri. U. Narayanan, Civil Supply office, Hosdurg Taluk, Kasaragod
- (d) Dr. P. Kuttykrishnan, Former P.V.C., Kannur University
- (e) Dr. Joby K. Jose, HoD, Department of Statistical Sciences, Kannur University.
- (f) Haritha, Faook College, Dept of Statistics, Feroke
- (g) Dr. A. P. Kuttikrishnan, Director of SSA, Kerala State

25. Seminars/Conference/Workshops organized and the source of funding

(a) State/Regional Level

Sl. No.	Topic	Source of Funding	Date
1	World Population Day Celebrations	PTA and Department of Statistics	11 <sup>th</sup> July, 2012-16
2	National Statistics Day Celebrations	PTA and Department of Statistics	29 <sup>th</sup> July, 2012-16
3	State Level Seminar on Analysis of Multivariate Data	PTA and collaborated with Kerala Statistical Association (KSA)	20/03/15
4	National Statistics Day Celebrations	-	21/03/17

(b) National Level

Sl. No.	Topic	Source of Funding	Date
1	National Workshop on Data Analysis using Statistical Software	UGC	16/10/14 - 17/10/14

(c) International: Nil

26. Student profile programme/course wise:

B.Sc. Statistics					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	170	28	7	21	85
2013-14	174	30	3	27	81
2014-15	185	29	5	24	63
2015-16	201	29	10	19	87

M.Sc. Statistics					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	95	13	0	13	73
2013-14	101	11	0	11	63
2014-15	98	11	3	8	91
2015-16	105	12	0	12	91

## 27. Diversity of students

B.Sc. Statistics			
Academic Year	% of the students from the same state	% of the students from the other states	% of the students from abroad
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

M.Sc. Statistics			
Academic Year	% of the students from the same state	% of the students from the other states	% of the students from abroad
2012-13	100	Nil	Nil
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?:

- Number of students who have passed UGC-JRF/NET/GATE during the assessment period: 1
- Approximately more than 26 students have cleared NET/SLET/GATE since the inception of the Department.
- No. of students cleared competitive examinations of Defence services during the assessment period: 8
- Approximately 24 students cleared competitive examinations of Defence services so far

## 29. Student progression

Student Progression		Against % Enrolled
UG to PG		62
PG to M.Phil.		5
PG to Ph.D.		10
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	5
	Other than campus recruitment	25
Entrepreneurship/Self-employment		15

## 30. Details of Infrastructural facilities

(a) Library: 1691 books, 3 journals. e journals using N-LIST.

(b) Internet facilities for staff and students

- Existing internet facility was upgraded to free high speed internet with Wi-Fi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre rennovated into a Conference Hall cum Computer Centre with high speed networking and Wi-Fi
- Central Library is provided with high speed networking and Wi-Fi facility

(c) Class rooms with ICT facility:

Three smart class rooms set up for PG and final year UG students in 2013-14.

(d) Laboratory

A Computer laboratory having uninterrupted power supply for conducting lab works for Ph.D. and PG Programmes

## 31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies: More than 75% of the students are getting financial assistance from various government agencies. Year wise details are provided in para 5.1.3.
- Scholarship from PTA: Details are given in para 5.1.2.
- Scholarship from Alumni: Details are given in para 5.1.2.
- Endowment: Details are given in para 5.1.2.

## 32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sl. No.	Name of Course	Date	Title	Funding agency	Collaboration	Participants	Resource Persons	Papers Presented
1	State Level Seminar	11 <sup>th</sup> July, 2012-16	World Population Day Celebrations	PTA and Department of Statistics	Department of Economics, NASC	210	2	-

Sl. No.	Name of Course	Date	Title	Funding agency	Collaboration	Participants	Resource Persons	Papers Presented
2	State Level Seminar	29 <sup>th</sup> June, 2012-16	National Statistics Day Celebrations	PTA and Department of Statistics	-	90	2	-
3	State Level Seminar	20/03/15	State Level Seminar on Analysis of Multivariate Data	PTA	Kerala Statistical Association (KSA)	90	2	-
4	National Level Seminar	16/10/14-17/10/14	National Workshop on Data Analysis using Statistical Software	-	UGC	124	4	-

### 33. Teaching methods adopted to improve student learning

- ICT based teaching and learning
- Resource Sharing
- Presentation
- Assignment
- Group discussion
- Project work
- Viva
- Field work

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Activities of Staff members:
  - Dr. T. M. Surendranath
    - (a) Organizer of three day Summer Cum Moral School, conducted by student police, GHSS Chayoth during 24-26 April 2014
    - (b) Organised Humanist movement as a Coordinator of Kasaragod District during 1-2 November 2013
    - (c) Executive member of organizing committee of ‘Sadbavana Yathra’ during 19-25 November 2013
    - (d) Attended two day skill development programme ‘Naipunya’ 14 for the selected volunteers of the NSS on 18-19 January 2014
    - (e) Participated in the Gandhi Peace programme, Kerala Gandhi Smaraka Nidhi on 1st July 2012 at Informations and Publications Department, Kasaragod



- (f) Participated in the TOT( Trainers on Social Harmony and Human Rights held at Darsana Pastoral Centre, Peechi, Thrissur during 12-16 November 2013
- (g) Attended the State level Orientation Programme of Kerala Child Rights Observatory held
- Dr. K. Radhakrishnan Nair
  - (a) Served as General Convener of the organizing committee for building house for the Endosulfan victim Afsal, Kadinjimoola. The key of the house was handed over on 28-08-2013.
  - (b) Founder General Secretary, MANAVA Thaikadappuram (an organization which works on bio farming and other social service) 13-09-2015 onwards.
  - (c) Serving as Treasurer of ‘NAITHAL’ an environmental organization which concentrates mainly on turtle conservation and environmental education.
- Faculty are encouraging participation in activities of
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club.
- Faculty are extending service and participation in extension activities through
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coaching Centre for SC/ST/OBC and Minorities, Health Club

### 35. SWOC analysis of the department and Future plans

#### **SWOC Analysis**

- **Strengths**
  - Well qualified and experienced faculty
  - Ph.D. guides and researchers
  - Excellent performance in University examinations
  - Seminars/conferences/workshops for disseminations of knowledge
  - Computer Laboratories for PG Programmes
  - Research centre
  - Uninterrupted power supply using UPS/inverter
  - Excellent extension and outreach Programmes
  - Commendable Alumni support
  - Active and creditable PTA support
  - Smart classrooms for UG and PG programmes
  - Participation of students in NCC/NSS and various clubs for social enrichment
  - Excellent participation in sports and arts
  - Support for E-learning based studies
- **Weakness**
  - Lack of International Seminars
  - Lack of linkage and collaborations with premier institutes
  - No add-on Courses
  - Lack of good Departmental library

– No interdisciplinary Programmes

● **Opportunities**

- Dynamic and highly talented teachers for guidance in Projects/Research
- E-learning using unlimited high speed broadband internet and Wifi facilities

● **Challenges**

- Refraining from higher studies by a major portion of girl students after PG programmes
- Tight schedule of semester system

**Plan of action of the department for the next five years**

- To Develop the Department as a consultancy centre for data analysis in North Malabar.
- To conduct socio-economic surveys in the district and to submit the report for the Local bodies for their planning.
- Collaborations with institutions involved in Data Analysis

## Department of Zoology

1. Name of the Department: Department of Zoology

2. Year of Establishment: 1968

3. Names of the programmes offered

Graduate Level	Programmes Offered
UG	B. Sc. Zoology (Core)
UG	B.Sc. Zoology (Complementary and Open)

4. Names of interdisciplinary courses and the departments/units involved:

Name	Departments Involved
Health and Nutrition	Open to all nine departments
Aquaculture	

5. Annual/Semester/choice based credit system (programme wise)

Programme	Type
B.Sc. Zoology	Choice Based Credit and Semester System

6. Participation of the department in the courses offered by other departments:

Faculty of the department handle the complementary course of the B.Sc. Plant Science course. Students of the department are free to choose any of the open courses offered by other departments

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

Designation	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Mil
Assistant Professors	4	3
Guest Faculties	-	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. Etc.)

Name	Designation	Qualification	Specialization	No. of years of experience	No. of Ph.D. students guided for the last 4 years
K. Narayanan	Lecturer (Sel.Gr)(Retd. on 31.03.2012))	M.Sc, M.Phil	Parasitology	31	N.A.
Dr. V. P. Syama	Associate Professor (Retd. on 31.03.2016)	M.Sc, B.Ed., Ph.D	Entomology, biochemistry, Reproductive Biology	22	N.A.
Dr. Supriya N. T.	Assistant Professor in charge of HoD	M.Sc., Ph.D.	Parasitology, Reproductive physiology of Crustaceans	3	N.A.
Saraniya Pradeep	Assistant Professor	M.Sc., B.Ed., NET	Entomology	3	N.A.
Anoja K. S.	Assistant Professor	M.Sc., B.Ed., NET	Entomology, Parasitology	3	N.A.
Sheeja Bhalakrishnan	Guest Lecturer	M.Sc., B.Ed., NET	Wildlife management, Biodiversity	1	N.A.
Praseetha M.	Guest Lecturer	M.Sc., B.Ed.	Biodiversity conservation and management	1	N.A.
Dr. Aneesh P.T.	Guest Lecturer	M.Sc., B.Ed., Ph.D.		1	N.A.
Dr. Anuradha	Guest Lecturer	M.Sc., Ph.D.		1	N.A.
Mini	Guest Lecturer	M.Sc., B.Ed.		1	N.A.

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 10%

13. Student teacher ratio (programme wise)

B.Sc. Zoology (Core)	18:1
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14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Designation	Sanctioned	Filled
Lab Assistant	1	1

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph. D/ M.Phil./ PG

Name	Qualification
K. Narayanan	M.Sc, M.Phil
Dr. V. P. Syama	M.Sc, B.Ed., Ph.D
Dr. Supriya N. T.	M.Sc., Ph.D.
Saraniya Pradeep	M.Sc., B.Ed., NET
Anoja K. S.	M.Sc., B.Ed., NET
Sheeja Bhalakrishnan	M.Sc., B.Ed., NET
Praseetha M.	M.Sc., B.Ed.
Dr. Aneesh P.T.	M.Sc., B.Ed., Ph.D.
Dr. Anuradha	M.Sc., Ph.D.
Mini	M.Sc., B.Ed.

16. Number of faculty with ongoing projects from a) national and b) international funding agency and grants received : Nil

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received.: Nil

18. Research centre/facility recognized by the University: Nil

19. Publications:

- Peer reviewed journal/conference publications

Name of faculty	Number of Publications				Number of publications in Conference Proceedings
	Regional/State	National	International	Listed in International Database	
Dr. V. P. Syama	-	-	-	-	2
Dr. N. T. Supriya	-	-	2	-	4
Saraniya Pradeep	-	-	-	-	2
Anoja K. S.	-	-	-	-	2

- Chapters in Books/Books edited/authored

Name of faculty	Number of chapters in books		Number of books authored		Number of books edited	
	With ISBN	Without ISBN	With ISBN	Without ISBN	With ISBN	Without ISBN
Anoja K. S.	1	-	-	-	-	-

Details are given in Appendix Q.

20. Areas of consultancy and income generated: Free consultancy to research scholars in the areas of Entomology, Biochemistry and Reproductive Biology.

21. Faculty members in

- National Committees: Nil
- International Committees: Nil
- Editorial boards: Nil

## 22. Student projects

- (a) Percentage of students who have done in-house projects including inter departmental/programme

Year	UG and PG Project (Mandatory)
2012	100
2013	100
2014	100
2015	100
2016	100

Some of the significant projects are

- A comparative analysis on various life style diseases in Padanekkad area 2012
- Nutrient profiles of some fishes of north malabar-2013
- Bioconversion of kitchen waste by *Eisenia foetida* - 2013
- A survey of hymenopteran, heteropteran, lepidopteran and orthopteran insects in and around the campus- 2014
- A survey of coleopteran and odonata insects of kasaragod district- 2014
- Study of total protein content in the mussel *Perna viridis* cultured in the Backwaters of Padanna, Kasaragod, Kerala -2015
- Study of total lipid content in the mussel *Perna viridis* cultured in the Backwaters of Padanna, Kasaragod, Kerala -2015
- A comparative analysis of finger print pattern in man-2016
- Study of total bird population in the paddy fields of Kasaragod District 2016
- Study of total protein and total lipid content in the mussel *Perna viridis* cultured in the backwaters of Padne, Thekkekadu, Kasaragod, Kerala 2016

- (b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

## 23. Awards/Recognitions received by faculty and students

- Students
  - Academic

Name and class	Recognition/ achievement	Venue	Date/year
Sushama B., II B.Sc.	INSPIRE scholarship of Dept. of Science and Technology	-	2015-16
Sushama B., I B.Sc.	Won the third position with a cash prize in ADDO Symposia 14 in the Intercollegiate National level seminar presentation competition	S.N. College Kannur	2014

- Sports

Name and class	Recognition/ achievement	Venue	Date/year
Adarsh Asokan	Selected as University badminton team member	Kannur University	2014, 2015, 2016
Nithin Ashok	Selected as Intercollegiate Khokho team member and the team became 2nd	Kannur University	2015, 2016

Achievements of the students in sports, fine arts, NCC, NSS are shown in Appendices X, Y, K, L respectively.

24. List of eminent academicians and scientists/visitors to the department:

25. Seminars/Conference/Workshops organized and the source of funding

(a) State/Regional Level

Sl. No.	Topic	Source of Funding	Date
1	Conservation Beyond Protected	PTA and College Management	March 2013
2	Stress Management	PTA and College Management	January 2013
3	Sex determination in Animals	PTA and College Management	February 2014
4	Crack the Competitive Examinations	PTA and College Management	October 2014
5	Omics (Interaction by European Molecular Biology Lab Technician)	PTA and College Management	December 2014
6	Genomics	PTA and College Management	February 2015
7	Importance of Conservation of Animals in Zoo	PTA and College Management	September 2015
8	Butterfly Diversity of Kerala	PTA and College Management	February 2016

(b) National Level

Sl. No.	Topic	Source of Funding	Date
1	Aqua' 16	KSCSTE	March 2016

(c) International: Nil

26. Student profile programme/course wise:

B.Sc. Polymer Chemistry					
Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
			Male	Female	
2012-13	998	30	3	27	95
2013-14	1035	29	1	28	95
2014-15	1205	29	3	26	93
2015-16	1797	29	3	26	89

27. Diversity of students

B.Sc. Polymer Chemistry			
Academic Year	% of the students from the same state	% of the students from the other states	% of the students from abroad
2012-13	100	Nil	Nil

<b>B.Sc. Polymer Chemistry</b>			
<b>Academic Year</b>	<b>% of the students from the same state</b>	<b>% of the students from the other states</b>	<b>% of the students from abroad</b>
2013-14	100	Nil	Nil
2014-15	100	Nil	Nil
2015-16	100	Nil	Nil
2016-17	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

- Number of students who have passed UGC-JRF/NET/GATE during the assessment period: Nil
- Approximately more than 12 students have cleared NET/SLET/GATE since the inception of the Department.
- No. of students cleared competitive examinations of Defence services during the assessment period: 3
- Approximately 12 students cleared competitive examinations of Defence services so far

29. Student progression

<b>Student Progression</b>		<b>Against % Enrolled</b>
UG to PG		39
PG to M.Phil.		N.A.
PG to Ph.D.		N.A.
Ph.D. to Post Doctoral		N.A.
Employed	Campus selection	Nil
	Other than campus recruitment	15
Entrepreneurship/Self-employment		10

30. Details of Infrastructural facilities

(a) 555 books, 2 Journals. e-journals using N-LIST

- Collection of 100 and odd books and Journal volumes sponsored by staff members
- Book Bank Scheme

(b) Internet facilities for Staff & Students

- Existing internet facility was upgraded to free high speed internet with WiFi for students and teachers during 2014 under the NMEICT scheme.
- Existing College Computer Centre rennovated into a Conference Hall cum Computer Centre with high speed networking and WiFi
- Central Library is provided with high speed networking and WiFi facility

(c) Class rooms with ICT facility

A smart class room set up for final year UG students in 2013-14.

(d) Laboratories

- Two full fledged laboratories for core and complementary



- Museum with a good collection of specimens, models and charts.
- The department museum was renovated in 2014 with sliding glass racks, floor-modification, labeling of specimens with updated classification.
- Equipments and devices necessary for conducting UG programme including the mandatory project work.
- Laboratory upgraded with facilities for carrying out minor research work also.
- Pro-frog dissection software for dissection of animals to study the internal anatomy
- Standard statistical software, InStat (GraphPad InStat, Version 2.00, 1993) for error analysis

31. Number of students receiving financial assistance from college, University, government or other agencies:

- Scholarship from Government agencies: More than 75% of the students are getting financial assistance from various government agencies. Year wise details are provided in para 5.1.3.
- Scholarship from PTA: Details are given in para 5.1.2.
- Scholarship from Alumni: Details are given in para 5.1.2.
- Endowment: Details are given in para 5.1.2.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sl. No.	Programme	Date	Topic	Source of funding	Resource Persons
1	Lecture	March 2013	Conservation Beyond Protected	PTA and College Management	Dr. P. A. Sinu of the Dept. of Animal Sciences, Central University of Kerala, Kasaragod
2	Lecture	January 2013	Stress Management	PTA and College Management	Jc. Thomas Jose
3	Lecture	February 2014	Sex determination in Animals	PTA and College Management	Dr. Gurusankara, Assistant Professor, Department of Animal Sciences, Central University of Kerala, Padnekad campus, Kasaragod
4	Lecture	October, 2014	Crack the Competitive Examinations	PTA and College Management	Dr. Thomas George, Associate Professor, Govt. College, Kasaragod
5	Interactive session	December 2014	Omics	PTA and College Management	EMBL (European Molecular Biology Lab) Research Technician, Mr. Manu M. Thekkedil

Sl. No.	Programme	Date	Topic	Source of funding	Resource Persons
6	Lecture	February 2015	Genomics	PTA and College Management	Dr. Tony Grace, Assistant Professor, Department of Genomics, CUK, Kasaragod
7	Activity	August 2015	Bird monitoring programme	PTA and College Management	Mr. Roshnath R., Research Scholar, CUK, Kasaragod
8	Lecture	September 2015	Importance of Conservation of Animals in Zoo	PTA and College Management	Mr. Anilkumar, Superintendent, Zoo , Trichur,
9	Lecture	February 2016	Butterfly Diversity of Kerala	PTA and College Management	Mr. V. C. Bhalakrishnan, Secretary, SEEK
10	Aqua' 16, Two day National Seminar on Aquaculture	March 2016	-	KSCSTE and PTA	-

### 33. Teaching methods adopted to improve student learning

- P. G. entrance question papers of various Universities are discussed with the final year students
- Students prepare question banks on various papers in the curriculum
- Experience sharing of passed out and well placed alumni members with students
- Modern teaching methods practiced and use of ICT in teaching learning (eg. Pro-frog dissection software, InStat software etc.)
- Seminar
- Field trip/study tour
- Assignment
- Project
- Lab demonstration
- Simulation

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Science Exhibition as a part of national science day celebrations, 2014, 2015, 2016.
- Special session for students and teachers of the nearby schools.
- Faculty are encouraging participation in activities of
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Folklore Club, Womens Cell, Centre for Women Studies, Health Club, Bio-diversity Club

- Extending service and participation in extension activities through
  - NSS, NCC, Laharivirudhavedi, Sahityavedi, Bio-diversity Club, UGC Coaching Centre for SC/ST/OBC and Minorities, Health Club

### 35. SWOC analysis of the department and Future plans

#### **SWOC Analysis**

##### ● **Strengths**

- Well qualified and experienced faculty
- Intake of Studious students
- Increasing number of NET/JRF/SLET/SET holders
- Excellent performance in University examinations
- National seminars/conferences/workshops for disseminations of knowledge
- Relevant project works of students
- Well equipped laboratories
- Museum
- Uninterrupted power supply using UPS/inverter/Generator
- Linkage and collaborations with premier institutes
- Publications in peer reviewed journals/Books
- Strong alumni
- Excellent extension and outreach Programmes
- Active and creditable PTA support
- Smart classrooms for UG programmes
- Participation of students in NCC/NSS and various clubs for social enrichment
- Excellent participation in sports and arts
- Support for E-learning and interactive simulations base studies
- Support for inter collegiate competitions
- Field trip and institute visits for students
- Opportunities for students to interact with eminent personalities

##### ● **Weakness**

- Not yet a research centre
- Lack of International Seminars
- Lack of linkage and collaborations with premier institutes
- No add-on Courses
- Less number of publications in peer viewed journals/Books
- No PG programmes
- No research guides
- No extension and outreach Programmes

##### ● **Opportunities**

- Linkage and collaborations with Institutions like Central University of Kerala, Agricultural College, CPCRI
- Young, dynamic and highly talented teachers for guidance in Projects/Research

- Commencement of Post-Graduate Programmes
- E-learning and interactive simulations base studies using unlimited high speed broadband internet and Wifi facilities
- Upgradation of museum into a Natural History Museum and release of museum
- Recording of faunal diversity of the Campus
- Formation of Zoology club to make awareness in biodiversity and conservation
- Implementation of butterfly garden and Aquaponics

- **Challenges**

- Lack of placement opportunities after completion of UG programmes
- Unable to attract students both from south-Kerala and outside Kerala
- Fall in the number of male enrollment in UG programmes
- Tight schedule of semester system

**Future Plans**

- To take up more major projects funded by different agencies to strengthen the department.
- To continue participation of teachers in National and International conferences
- National Seminar on Biodiversity to be conducted
- Recording the biodiversity of the campus
- Nature camps at wild life sanctuaries for students to give environmental awareness.
- To conduct more interactive sessions with experts from India and Abroad to get good exposure to students
- To set a Butterfly garden
- Internal resource utilization programmes
- Hands on training for students on various techniques like DNA isolation, separation techniques etc.
- Extension programmes like blood group monitoring camp, BP monitoring camp etc.
- To organize intercollegiate competitions like Quiz, Power point presentation, Poster presentation etc.
- To conduct Training programmes for students (Statistical analysis, molecular taxonomy, soft skill/personality development etc.)
- To conduct programmes for school students to create awareness on biodiversity, its conservation, pollution, its control measures etc.
- Interaction of students with well placed alumni members
- To form a Zoology club and to conduct various activities
- Release of the Zoology museum catalogue
- Release of the Question bank of Zoology for various competitive exams

## Post Accreditation Initiatives

The college strive to grow further without compromising our commitment to quality education. The process of accreditation, cycle after cycle, helps the college in realising the Strength and Weakness. It exposes the opportunities and challenges. The major initiatives by the college after the post-accreditation (cycle-2) were in tune with the recommendations put forwarded by the NAAC peer team for qualify enhancement of the institution.

The highlight of the measures taken to sustain and enhance the quality of functioning of the college during the current accreditation cycle is summarised below.

### Curricular aspects

- The college introduced one PG programme in Commerce and one UG programme in Malayalam in the year 2013 and 2014 respectively.
- Measures are taken to upgrade the Department of Physics into a recognised Research Centre of the affiliating University.
- The college has accepted the revised curriculum for the UG programmes in 2014, which follows the indirect grading system.
- Out of our 56 permanent staff, 20 served as members of Board of Studies, academic council and other statutory bodies of the University during the current assessment period.
- The working time is increased by 1 hour and is productively utilised for tutorial meeting, remedial classes, project work, seminar presentations, cultural activities and club activities.
- Two refresher courses of two week duration were organised and conducted in the college by the Department of Physics. The programmes were sponsored by Indian Academy of Sciences, Bangalore; Indian National Science Academy, New Delhi and The National Academy of Sciences, India, Allahabad.

### Teaching-Learning and Evaluation

- Orientation programmes for first year UG and PG students at the college level were practised during the current assessment period.
- ICT is extensively used in teaching by the induction of permanent LCD projectors in 20 classrooms.
- Two-tier feedback system is introduced by implementing online feedback system and feedback is now collecting from students, alumni and parents .
- Academic performance of the students was improved due to the enhanced working hours of the teachers.
- The academic monitoring committee and IQAC are working in full swing to enhance the quality of teaching and learning.

- Coaching classes are conducted for both NET of UGC/CSIR and competitive examinations for getting employment.
- College enacted some novel ideas like Walk With A Scholar (WWS), Additional Skill Acquisition Programme (ASAP) and Scholar Support Programme (SSP) initiated by Kerala Higher Education Council.
- Exhibitions, workshops, camps, film festival, quiz programmes, colloquium competitions, field work and study tour are being made a practice for independent, interactive and collaborative learning.
- Virtual laboratory set up by making use of Vlab, Olab, PhET etc. for interactive simulation based studies.
- Introduced software like Pro-frog Dissection Software for dissection of animals to study the internal anatomy and hence avoiding the killing of frogs.
- Faculty of the college received state level awards in academic and extension activities.
- The college is facilitating for centralized evaluation camps of the University in various subjects.

### **Research, Consultancy and Extension**

- The institution constituted a Research Advisory Committee to guide the students and faculty in research.
- The Department of Physics is about to transform into a recognised Research Centre of the affiliating University in the near future.
- Department of Science and Technology sanctioned an amount of 1.1 crore through the FIST scheme to set up a centralised research lab and to enhance the lab facilities in the science departments. This will boost the major research projects both by qualitatively and quantitatively.
- Several minor research programmes are ongoing.
- Sanction for major research projects are awaited from the respective funding agencies.
- College has launched a multidisciplinary journal named Academia to disseminate the research output.
- Faculty of the college received international recognition for reviewing of journals.
- Faculty of the college creates link and collaborative research activity with premier institutes as well as with similarly placed institutions.
- 88 seminars/workshops have been conducted in the college during the assessment period .
- More than 200 research publications in reputed journal and about 50 several conference publications.

- A Consultancy Advisory Council (CAC) is constituted with the intention of establishment of institution-industry interface and institution-institution interface for providing employment opportunities to the students.
- The institution has set up a Committee for the Development of Linkages and Collaborations (CDLC) for the planning, establishment and implementation of initiatives for linkages and collaborations.
- Some of the departments has succeeded in signing formal MOUs with similarly placed institutions.
- Uncounted extension activities by NCC, NSS, 'Sahityavedi' and other clubs in the college.
- The State Government awarded the Kerala State Green Campus Award for our college during the year 2013-15 for our exemplary contributions in the extension activities in the area of environmental protections.
- College has instituted a State level award namely 'Dr. A.J. Ragina Memorial Doctoral Dissertation Award' to distinguish and encourage excellent research in Physics and allied areas.

### **Infrastructure and Learning Resources**

- Campus is turned into a WiFi campus utilising the high speed internet implemented through the NMEICT scheme.
- Unlimited Internet and WiFi is available to students and Staff at free of cost.
- The existing computer centre is renovated into a high class centralised computer centre cum conference hall by increasing the number of computer terminals to 60.
- Compound wall is constructed to cover the entire college campus, women's hostel and sports hostel, track and field, play ground, volley ball court etc to ensure the safety of students.
- Language Lab equipped with latest software for teaching language skills.
- To overcome the frequent power break down and voltage fluctuation in the power supply, the college took initiative to set up a transformer (440V/230V) in the college campus jointly with the Kerala State Electricity Board.
- 3557 books and 30 journals have been added to the existing collection.
- In-house and remote access to e-publications is available through DSPACE, DELNET and NLIST.
- Laboratory equipments amounting to Rs. 17,60,000/- each to all the science laboratories(UG and PG).
- 10 surveillance cameras for ensuring safety of staff and students and the valuable assets. 2 surveillance cameras for ensuring safety of inmates of women's hostel.

- Afforestation in an area of 1618.74 sq m on the rear side of the campus with the support of Kerala Biodiversity Board.
- Indoor sports facilities for shuttle badminton, table-tennis etc are developed and quality sports goods like Wrestling mat were purchased .
- Ambience of the Women's Hostel is changed by introducing library, computer, internet, shuttle badminton court, bio-degradable waste management system - biogas plant etc.

### **Student Support and Progression**

- Intranet based Student Management System introduced to analyse the student progression. This is a part of the policy of the college named Make in the College.
- Freedom for the students to approach three tier Grievance Redressal committees at the Department, College and University levels.
- CCIG is very active for career guidance and placement camps were conducted every year regularly .
- More than 15 students cleared NET examination of UGC/CSIR.

### **Governance, Leadership and Management**

- The academic and administrative bodies of the institution function at three different levels viz., the management level, the college level and the department level.
- The grievance redressal cell functions at five forums. The Students Grievance Redressal Cell, The Employees Grievance Redressal Cell, the Womens Cell, the Sports Students Complaint Committee, the Internal Complaint Committee and the Anti ragging Cell.
- Performance assessment of faculty members on teaching, research, co-curricular activities, professional development activities and extension is conducted every year through self-appraisal report, as envisaged in the UGC scheme.
- Teachers are deputed to orientation programmes, refresher courses and seminars/workshops/conferences to enhance the knowledge in advance areas.
- NCC and NSS Programme officers regularly attend training programmes for them conducted by the authorities concerned.
- Guest faculty members appointed against the sanctioned posts are paid as per the Government and University norms. The College Management and PTA are jointly paying the salary of guest faculty members until it is being paid by the Government.

### **Innovations and Best Practices**

- The NSS units, environmental club and biodiversity club of the college is maintaining an artificial forest in collaboration with the Biodiversity Board of Kerala. Bio-gas plants have been installed in the campus as well as in the ladies hostel as bio-degradable waste



management system. The practice gives the college a source of energy as well and disseminates to the students the practicability of such plants in their houses

- The Biodiversity club, NSS, NCC are planting trees every year in the college campus as well as at suitable places outside the campus. Different agencies of the college have planted and conserved mangroves in many river banks in the district.
- Some of the Innovative measures and best practices include introduction of smart class rooms, High Speed Internet Through Optical Fiber Cabling and WiFi Campus, On-line Student Management System, Computer Assisted Technology for differently abled persons, Waste management and renewable energy sources, Online Learning Platform: Moodle, Online Feedback System, Socio Economic and Health Survey, Endowments and Awards, Free Wheel Chair, Blood and Organ donation, Tutorial System, Remedial Classes, Walk With A Scholar and Scholar Support programmes. Support for Palliative Care, the Sneha Sparsham programme, Plantation - “Shantistal”, Mushroom Cultivation and Entrepreneurship are some of such practices.
- 7 houses constructed by the Sahityavedi of the college to the endosulfan victims and the construction of a Buds’ school are two noteworthy activities.

## Appendix A

### Activities of Alumni

Sl. No	Date	Programme	Guests/Speakers	Activities/Outcome
1	30/06/12	Farewell function	-	The association organized a farewell function in honour of the retiring professor, Dr. C. Balan at the college seminar hall.
2	Jul. 2012 - Sep. 2012	SET Examination coaching	-	For Economics, 65 percentage and for Commerce 90 percentage of the participants successfully cleared the SET examination and qualified for appointment as higher secondary teachers (while the state average was 3% for Commerce and 4% for Economics).
3	29/09/12	'Poorva Vidhyarthi Sangamam'	-	A get together of the alumni was organized with the title 'Poorva Vidhyarthi Sangamam', in connection with the annual general body meeting.
4	13/01/13	'NAS'TALGIA 13'	Sri. E. Chandrasekharan (Kanhagad MLA), Smt. Marry George, the admission number one of NAS College, Sri. Satheesh Babu Payyanur.	The logo of the mega family get together was designed by the famous artist Rajashilpi Prabhan Nileshwaram. The mega family get together of the alumni of NAS College was conducted in a grand manner on 13/01/2013 at the college auditorium. Alumni from different walks of life attended the program and participated in batch wise interaction. Lunch was served to 1000 participants of the program including alumni and their family members, volunteers and professors. It was followed by cultural programs by the alumni and family members and formal inauguration and honouring the retired professors entitled 'Gurupooja'.
5	04/01/13	Advocates Meet	Advocates who studied in NAS College	An 'Advocates Meet' was arranged at Kanhagad Guest house inviting the advocates who studied in NAS College before joining for LLB or BL. More than 20 advocates attended and the programme was inaugurated by the Principal Dr. Khader Mangad. Adv P. Narayanan, Adv. Chandrasekharan felicitated the function. On 06/01/13 'Leaders Meet' was organized with the participation of the student union office bearers of NAS College from 1968 at NAS College Seminar Hall.

APPENDIX A. ACTIVITIES OF ALUMNI

Sl. No	Date	Programme	Guests/Speakers	Activities/Outcome
6	18/12/13	Action for Town to Town bus stop in the NAS College Bus stop	-	The executive committee meeting held on 18.12.2013 passed a resolution for Town to Town bus stop in the NAS College Bus stop for the convenience of Staff members and around 80 hostel inmates of NAS College and alumni.
7	Jan. 2013 - Jun. 2013	NET/SET Coaching classes	-	Organised NET/SET coaching classes at NAS College from January 2013 to June 2013. For Economics 65 percentage and for Commerce 95 percentage of the participants successfully cleared the SET examination and qualified for appointment as higher secondary teachers (while the state average was 3% for commerce and 4% for economics). 3 students qualified NET in Economics. 10 students qualified NET in Commerce.
8	02/03/13	Financial Help to one old student	-	Rs. 10000/- was donated to Sri. Radhakrishnan, an old student of NAS College who underwent bypass surgery at Sreechithra Institute of Medical Sciences, Thiruvanthapuram.
9	15/03/13	Scholarship Distribution	-	Rs. 9000/- was distributed to the meritorious students of NAS College as scholarship. Rs. 25000/- was distributed to the meritorious students by the Alumni Association UAE Chapter
10	25/03/13	Farewell Function	Dr. Kochuthresyamma Andrews, Prof. K. Narayanan, Prof. Lukose Jose, Prof. P. Prabhakaran, Prof. Malathy Rajagopal	Farewell Function was organized in honour of retiring professors
11	08/05/13	Felicitation Function	Sri. K. C. Venugopal (Union Minister of State for Civil Aviation), Sri. M. Kunhiraman Nambiar (Ex M.L.A., Manager, NAS College)	A Felicitation Function was organized to honour Dr. Khader Mangad, the Honorable Vice Chancellor, Kannur University and former Principal of NAS College
12	08/05/13	Felicitation Function	-	The Alumni association honoured Dr. A. Muralidharan, old student of NAS College, who was appointed as the Principal of NAS College
13	01/07/13	College Stage Renovation	-	The Alumni association donated Rs. 1,00,000 for the college stage renovation fund
14	01/10/13	Scholarship Distribution	Dr. Khader Mangad (Kannur University Vice Chancellor)	Rs. 9,000 was distributed to the meritorious students of NAS College as scholarship for the year 2013-14. Scholarship for Rs. 25,000 instituted by the NASCA UAE chapter was also distributed

APPENDIX A. ACTIVITIES OF ALUMNI

Sl. No	Date	Programme	Guests/Speakers	Activities/Outcome
15	21/07/13	Best Achiever Award to Dr. A. J. Regina	-	The Award was presented to the relatives of Dr. A. J. Regina by the Nehru Memorial Education Society secretary Sri. K. Ramanathan. Dr. A. J. Regina was selected for the best achiever award instituted by the 1989 batch students of our college.
16	29/12/14	First Batch students Get Together		The first batch students of our college (1968) organized a grand get together at the College and honoured the Professors. They also donated a search light to the College
17	27/07/13	Career Guidance class	Sri. Renjith Kumar	The Alumni association organized Career Guidance class at the College Conference Hall.
18	03/08/13	Career Guidance class	Sri. Rajesh Koottakkani	Career Guidance class was organized in collaboration with the CCGI.
19	01/05/13	Felicitation function	Prof. Muhammed Ahmed (The Kerala Folklore Academy Chairman) inaugurated the programme and presented mementos	The Association organized a Felicitation function to honour Sri. M. Kunhiraman Nambiar, Ex M.L.A, Nehru Arts & Science College Manager who won the T.K.K Foundation award.
20	22/09/13	Alumni Get Together	Sri. P. V. Shajikumar (Kendra Sahithya Academy Yuva Award Winner), Sri. Babu Kambrath (the National film award winner)	A get together of the alumni was organized with the title 'Poorva Vidhyarthi Sangamam, in connection with the annual general body meeting.
21	20/02/14	Mega Musical Programme titled 'Smaranjali'	-	The association organized a mega musical programme titled 'Smaranjali' in memory of the departed souls of our institution in association with the College Union. The 'Smarananjali' programme was conducted in a grand manner at the college auditorium. The relatives of the great personalities who shaped our college, Nehru College Management Committee members, retired Professors, teaching and non teaching staff members, Alumni and students of NAS College attended the program.
22	Dec. 2013 - Feb. 2014	NET/SET coaching classes	-	For Economics 80 percentage of the participants successfully cleared the SET examination and qualified for appointment as higher secondary teachers
23	26/06/14	Farewell Function	-	A Farewell Function was organized to the retiring Prof. K. Sreelekha, Head of the Department of Physics, and the office staff Sri. T. Ramakrishnan.

APPENDIX A. ACTIVITIES OF ALUMNI

Sl. No	Date	Programme	Guests/Speakers	Activities/Outcome
24	01/02/15	Scholarship Distribution	-	Rs. 9,000 was distributed to the meritorious students of NAS College as scholarship in February 2015 for the academic year 2014-15. Scholarship for Rs. 25,000 instituted by the NASCA UAE chapter was also distributed in February 2015.
25	31/03/15	Farewell Function	-	The association organized a farewell function in honour of the retiring professors Dr. A Muralidharan, Prof. V. Kuttyan, and Dr.T. M. Surendranath at the College Conference Hall.
26	01/03/16	Farewell function	-	The association organized a farewell function in honour of the retiring professors and Non Teaching staff
27	24/05/15	The General Body meeting and Alumni Get together	-	The General Body meeting elected Dr. V. Gangadharan (President), Sri. Raghavan Kulangara, Sri. C. H. Sulaiman, Dr. K. Naseema (Vice Presidents), Sri. Nandakumar Koroth (General Secretary), Sri. K. E. A. Backer, Sri. K. V. Prasad, Adv. Varijakshan Kodoth (Secretaries) and Dr. P. V. Pushpaja (Treasurer) for the year 2015-16.
28	01/07/15	Doctors' Get together	Dr. G. Gopakumar (Vice Chancellor, Central University of Kerala) Dr. K. Vijayaraghavan (College Manager)	The Alumni Association of Nehru Arts and Science College, Kanhangad in association with the NCC unit of the College observed Doctors' Day by arranging a get together of the doctors who studied at Nehru Arts & Science College, Kanhangad from 1968. The programme was organised in association with the NCC and NSS units of the College. Dr. O. Raghuthaman, Dr. K. C. Ramachandran, Dr. K. P. Ahamed, Dr. V. Suresh, Dr. K. Aboobacker, Dr. Sanjeev Lazer, Dr. A. Nithyananda Babu, Dr. C. V. Suresh, Dr. Saju. V, Dr. P. Santhoshkumar, were honoured.
29		The Felicitation Function to the meritorious students	Dr. C. Gouri	The Felicitation Function to the meritorious students organised by the Alumni Association in association with NCC unit of Nehru Arts and Science College, Kanhangad became a rare get together with the presence of College's first rank holder in 1975, Dr. C. Gouri, Senior Scientist of VSSC, Thiruvananthapuram as the Chief Guest. Kannur University toppers from the College Aiswarya (B.Com.), Drisya. M (Statistics), Reena A. (Plant Science) and Haritha C. N. (Polymer Chemistry) were honoured.

APPENDIX A. ACTIVITIES OF ALUMNI

Sl. No	Date	Programme	Guests/Speakers	Activities/Outcome
30	05/09/15	Teachers Day Observance	Dr. Khader Mangad, Vice Chancellor of Kannur University, Prof. V. Gopinathan (Former Deputy Director of Collegiate Education)	-
31	06/01/16	Face to Face Programme with Local Self Government members	Sri. A. G. C. Basheer (District Panchayath President), Dr. K. Vijayaraghavan	The Alumni Association in association with the NCC unit conducted Face to Face programme with the newly elected members of the local self government who were studied in Nehru College earlier.
32	03/08/15	NCC Cadets are trained in Treatment Support to help the poor patients	K. S. Jayamohan (Hope General Secretary)	The Alumni Association and NCC unit of Nehru Arts and Science College, Kanhangad in cooperation with the Hope Charitable Trust, Pilathara conducted 'Treatment Support Programme' to train the NCC cadets to obtain and fill forms for financial assistance to the poor patients instituted by the Central and State Governments and Charitable agencies through various schemes on 3 August 2015. Students learnt about Karuna Benevolent Fund, Arogyakiran, Cancer Suraksha Scheme, Sukrutham, Sruthi Tharangam, Chis Plus Health Card, Employees State Insurance Scheme, Chief Minister's Relief Fund, Prime Minister's Relief Fund, Snehasanthanam etc.
33	03/08/15	Planted Medicinal plants at NAS College, Kanhangad	-	The Alumni Association in collaboration with the NCC unit of the Nehru Arts and Science College, Kanhangad unit planted Medicinal plants at the College campus.
34	12/02/16	Scholarship Distribution	Sri. P. Karunakaran (M.P)	Rs. 9,000 was distributed to the meritorious students of NAS College as scholarship for the academic year 2014-15. Scholarship for Rs. 25,000 instituted by the NASCA UAE chapter was also distributed.
35	08/03/16	Smruthilayam 2016 to mark the 50th Anniversary Celebration of the Nehru Memorial Education Society	Sub Collector Mrunmai Joshi	'Smruthilayam 2016' organised by the Alumni Association of the Nehru Arts and Science College, Kanhangad to mark the 50 <sup>th</sup> Anniversary Celebration of the Nehru Memorial Education Society. Ramya Ramesh, Manoj Maniyat, Sudheesh P, Vineeth P Nair and other alumni and students of the college devoted songs to the departed souls of the Management Committee.

APPENDIX A. ACTIVITIES OF ALUMNI

Sl. No	Date	Programme	Guests/Speakers	Activities/Outcome
36	Dec. 2015 - Jan. 2016	NET/SET Examinations Coaching classes	-	For commerce 95 percentage of the participants successfully cleared the SET examination and qualified for appointment as higher secondary teachers (while the state average was 12% for commerce). 12 Students qualified NET.
37	05/09/16	Teachers Day Observance	Prof. K. P.Jayarajan, Nileshtar Municipality Chairman	Teachers Day was observed by honouring first professor of our College, Prof. Shambu Nambuthiri by visiting his home
38	01/07/16	Felicitation Function to Sri M Rajagopal, Trikaripur M.L.A, and NET and Rank Holders	Sri. M. Rajagopalan (MLA, Trikaripur Legislative Assembly)	Felicitation Function was organized to felicitate Trikaripur M.L.A. Sri. M. Rajagopalan, NET qualified regular students and Kannur University Rank Holders. The NET qualified students are Amrutha G. Krishnan, Aparna K., Sreelakshmi M. G., Amrutha R. and Divya P. P. Farhana A. G.(Kannur University First Rank Holder, Polymer Chemistry), Soumya P. (Kannur University First Rank Holder, Plant Science) and Pooja J. Nair (Kannur University First Rank Holder, Statistics) were also felicitated.
39	18/12/16	Alumni Association Annual General Body Meeting	-	Elected Sri. Raghavan Kulangara as President, Sri. Nandakumar Koroth as Secretary and Dr. K. Naseema as Treasurer of the association.
40	05/09/16	Teachers Day Observance	Prof. K. P. Jayarajan, Nileshtar Municipality Chairman inaugurated the programme. Dr. V. Gangadharan presided over the function.	Teachers Day was observed by honouring first professor of our College, Prof. Shambu Nambuthiri by visiting his home
41	Feb. 2017	Batchwise Alumni Get Together	-	On Sundays of February 2017. 5 <sup>th</sup> February inaugurated by Sri. M. Rajagopalan MLA, 12 February inaugurated by Prof. K. P. Jayarajan, Nileshtar Municipality Chairman, 19 and 26 February other 2 batchwise alumni get togethers were held.
42	07/03/17	Donated 50000 to an alumnus Sri Raghavan Karuvakode, Kidney patient	The fund was raised from the batchwise alumni get together	Handed over the cheque by Dr. M. K. Abdul Khader, Honourable Vice Chancellor.

APPENDIX A. ACTIVITIES OF ALUMNI

Sl. No	Date	Programme	Guests/Speakers	Activities/Outcome
43	24/03/17	Financial assistance to son of Saraswathy. Saraswathy was a student of BA History 1998-2001 who died while delivery in 2013	The batch mates of her raised an amount of Rs. 40,000 and handed over to Sanjay, her son at Kadumeni	Dr. P. T. Sebastian, Alumni Association General Secretary Lt. Nandakumar Koroth, Coordinators of the programme Sri. Biju Mungath, and Sri. Vineesh V. V. attended the programme.
44	16/03/17	Pramod Kamalakshan Memorial Endowment	An endowment for Rs. 10,000 per year for B.Com. degree top scorer was instituted by the UAE Chapter of the Alumni Association. Pramod Kamalakshan was a student of B.Com.	-
45	28/12/17	Appukkuttan master Memorial Endowment	Appukkuttan master endowment for Rs. 2,000 per year was instituted by his daughter and old student of Nehru Arts and Science College Smt. Divya for the top scorer in B.A. History	-
46		Ratheesh Barkakode endowment	Ratheesh Barkokode endowment for an amount of Rs 1500 per year was instituted for highest scorer in B Com examination in October 2016	-
47		Endowment to highest scorer in Statistics	The endowment for an amount of Rs. 2,500 per year was instituted by the Principal Dr. P. V. Pushpaja in memory of her mother	-
48		1989 Physics Alumni 2 endowment 2500 each per year for highest scorer in memory of Regina and M G Narayanan.	Physics Alumni endowment was instituted by the alumni of Physics department	-
49		1989 Batch endowment	The 198 batch instituted 5 endowments Rs 2000 each per year	-



## **Appendix B**

### **Activities of Anti Ragging Cell**

As per the regulation No.F.1-16/2009 (CPP-II) dated 21/10/09 of the University Grants Commission, an anti-ragging cell is functioning effectively in the college. The aim of the anti-ragging cell is to curb the menace of ragging in our institution.

To prohibit ragging effectively in our institution, we constituted an anti-ragging squad and an anti-ragging committee.

The anti-ragging squad comprises of the Convener nominated by the College Council and the members of the teaching staff including in-charges of vigilance, admission, hostel and former Convener for anti-ragging squad.

This institution constituted anti-ragging committee consists of representatives of civil and police administration, local media, non-governmental organizations involved in youth activities, representatives of parents, representatives of students belongs to freshers as well as seniors and non teaching staff nominated by the Principal

An undertaking from each students countersigned by the parents were collected during admission itself.

The institution displayed banners and boards in prominent places within the campus to exhort the students to prevent or not to indulge in ragging and also indicating therein the names of the officials and their telephone numbers to be contacted in case of ragging.

The Principal and the officials of the anti-ragging cell drawn attention about the law concerning ragging and its consequences before the student at the beginning of the every academic year itself.

The following are the Conveners of the anti-ragging squads in our institution for various years

1. Dr. K. Rajan, Associate Professor, Department of Statistics (2012-13)
2. Dr. K. S. Suresh Kumar, Associate Professor, Department of History (2013-14)
3. Dr. K. S. Suresh Kumar, Associate Professor, Department of History (2014-15)
4. Dr. R. K. Sathish, Associate Professor, Department of Physics (2015-16)
5. Dr. R. K. Sathish, Associate Professor, Department of Physics (2016-17)

Due to the active involvement of the anti- ragging cell and committee, no ragging incidence were reported so far in our institution. The activities of the students organization are also favourable for creating a anti-ragging atmosphere and good academic ambience in the College.

## **Appendix C**

### **Activities of Bio-diversity Club**

It is the responsibility of every citizen to get involved in activities for the conservation of biodiversity, without which the existence of life on earth cannot be ensured in the days to come. In such a scenario, conservation of the environment is the most monumental service that one can do. A biodiversity club is formed in the college in this context. The club proposes to conduct activities that would inculcate and disseminate environmental awareness among the students that would in turn extend out to the general public too. The Bio-diversity club of the Nehru Arts and Science College, Kanhangad conducts awareness programmes on biodiversity conservation every year. This may equip younger generation to create biodiversity awareness. Membership is open to all the students and staff.

The Biodiversity club of the Nehru Arts and Science College, Kanhangad has been registered under Kerala State biodiversity Board in the year 2013. Dr. T. M. Surendranath, Associate Professor, Dept of statistics co-ordinated its activities from its inception in 2013 till his retirement from service in March 2015. After his retirement, the activities of the club have been co-ordinated by Dr. Agretious Thomas, Asst. Professor, Dept. of Botany. The Biodiversity club organised two day Biodiversity Study Camp during 12-06-2013 to 13-06-2013 at Nehru Arts and Science College, Kanhangad with financial assistance from Kerala State Council for Science, Technology and Environment, Thiruvananthapuram.

A workshop on Environmental Awareness (NEAC 2014-15) was conducted on 10th January 2015 at Nehru Arts and Science College. Dr. V. S. Vijayan (Member, Gadgil committee), T. P. Padmanabhan (Director, SEEK, Payyanur), and Anil Chenthrathil presented papers on relevant topics.

On the August 15th of 2015, the Biodiversity Club members planted 69 wild and fruit plants in the College Campus. A biodiversity awareness camp was also conducted in the same day. The biodiversity club, recently, established shanthisthal, a man-made forest ecosystem for conserving rare, endemic and endangered plants in the college premises in collaboration with Kerala State Biodiversity Board. This protected land maintained by the biodivesiry club of the college in due course of time will become a biodiversity rich area of rare, endemic and endangered plant and animal species without human interference. Presently, Shanthisthal comprises more than 25 RET plants.

In December 2016, the club organized a seminar and open discussion on bio-diversity conservation. Prof. P.T. Rajasekharan Nair inaugurated the function.

The Kerala State Biodiversity Board released an amount of Rs. 16,000 as first installment for constituting Biodiversity Club and establishing Shanthisthal in the college. An Acacia growing land having an area of 20 cents was selected for the establishment of the Shanthisthal. A number of awareness programmes and planting programmes by using this amount. Unfortunately majority of the saplings failed to establish themselves under Acacia trees, owing to the unsuitability of the land. Considering this fact, we have shifted Shantisthal to a new, neighboring site with prior permission from the KSBB. Fortunately, the newly allocated site occupies an area of 40 cents and more suitable for establishing a conservatory of rare, endangered and endemic plants.

The Biodiversity Club has started planting saplings of RET and other important plants in the new site from August 2016 onwards, after collecting saplings from the forest and MSSRF, Kalpetta. To overcome sandy nature of the soil, we bought red soil from outside and filled the pits with this soil. Further, we have also shifted the surviving plants from the previous site to this new one. An amount of Rs. 14,000 released as second installment was mainly used for

preparing and establishing plants in the new planting site. This protected land maintained by the Biodiversity Club of the college in due course will become a conservatory of rare, endemic and threatened plant and animal species having no human interference. Presently, Shanthisthal comprises more than 30 RET plants along with other plants (A list of these plants and their photographs are attached). We have conducted a biodiversity awareness programme also.

## Appendix D

### Activities of CCIG

Sl. No	Date	Programme	Guests/Speakers	Activities/Outcome
1	08.07.2013	Career Club formed	-	101 students attended
2	08.07.2013	“Empowering Youth”	Dr.A. Muralidharan, Sri. Mohandas Menon	Workshop for motivating UG and PG students organised by CCIG in association with Rotary Club of Nileshwar
3	27.07.2013	Career Guidance Class	Sri.K. V. Renjithkumar	In association with Old Students Associations of NASC, 80 selected students from UG and PG were participated
4	30.07.2013	“Job Club”	-	Selected 12 students from PG and UG for the weekly announcement of career related information and job vacancies in various public, private and co-operative sector through college announcement system
5	2014	C-Mat Entrance Exam Coaching	Sri. Jinu (MBA Faculty of PIMS)	In association with Peoples Institute of Management Studies, Munnad
6	23.07.2014	A Recognition of honesty in Profession	Dr. A. Muralidharan, Sri. Sudhakaran (Associate NCC officer)	In association with NCC AND Value Club Socially relevant programme of congratulating Sri Sukumaran, a lottery agent in Kanhangad for his honesty and integrity in his profession
7	03.08.2013	“Future Vision”	Dr. A. Muralidharan, JC. Rajesh(JC Trainer)	In association with JCI, Kanhangad a programme for career development
8	16.08.2013	Releasing Logo of CCIG	Dr.A. Muralidharan	-
9	16.08.2013	Inauguration of Job Club	Dr. K. Sreekrishnakumar (Director, AICTE, SWRO Bangalore)	-
10	26.10.2013 to 27.10.2013	“Password - A 2 days residential camp for Personality Development”	-	Organised by the Directorate of Minority welfare, Government of Kerala at Zainab Memorial B.Ed. College, Cherkala
11	04.01.2014	Career Development Programme	Smt. Haseena Thahudin (Chairperson, Kanhangad Municipality)	In association with Kasaragod District Collectorate a programme for minority students in the Higher Secondary students of the Kasaragod District. 200 students attended the programme.
12	2012-17	Classes arranged by the UGC entry level coaching centre	-	Career Club members participated
13	24.10.2013	Mock Interview	Dr. A. Muralidharan	For final year B.Com. degree students and distributed prizes to the winners.
14	2013-14	Motivational Class	Adv. A. V. Vaman Kumar	In association with JCI, Nileshwar

Sl. No	Date	Programme	Guests/Speakers	Activities/Outcome
15	20.01.2014	Campus recruitment Drive	-	Infosys BPO conducted in association with CCIG. 300 final year degree students from different colleges attended. Out of these 20 students got selection and offer letters were given on the same day. Out of 20 selected students 17 from Nehru Arts and Science College, Kanhangad.
16	16.02.2014	How to Face Interview	-	A three hours workshop was organized. Faculties from Delhi and Bangalore took classes.
17	2012-17	Self Introduction workshops and Bio-data preparation	-	Conducted frequently during the free hours in degree classes
18	27.03.2014	One Day Career Seminar for Girls	Dr. Venkitta Raman (Career Expert)	In association with District Youth Welfare Board, Kasaragod
19	20.06.2014	Campus Recruitment Drive	-	Federal Bank Ltd conducted. One student from B.Com. was selected.
20	2014-15	Motivational Class	Adv. A. V. Vaman Kumar	In association with JCI, Nileshwar
21	07.02.2015	Campus Recruitment Drive	-	Infosys BPO conducted in association with CCIG. 300 final year degree students from different colleges attended. Out of these 18 students got selection and offer letters were given on the same day. Out of 18 selected students, 15 were from Nehru Arts and Science College, Kanhangad.
22	20.09.2014	Meet the Achiever Programme	Sri. Rwithik Thamban (Dty Commandant, Coast Guard and an alumna of the College)	In association with NCC. The career club members actively interacted with the chief guest
23	10.12.2014	Campus Recruitment Drive	-	15 students were sent to Wipro Campus interview held at St Pius X College, Rajapuram. Out of them 8 students got selection.
24	2012-17	Career Orientation Class	Aptech Aviation, Jet King, Time Institute, Kannur	For final year degree students series of classes arranged.
25	18.10.2015	Army Recruitment training	Manoj Pallikkera, K. V. Prashanth (Physical Trainers)	Candidates from different parts of Kannur and Kasaragod districts were trained in running, jumping, pull up and balancing.
26	08.09.2015	Career opportunities in Armed Forces class	Lt. Colonel. T Murali (Administrative Officer of 32 Kerala Battalion NCC, Payyanur)	In association with NCC unit. Explained about Career opportunities in Armed Forces.
27	Jan 2016	Seminar on "Fitness, Exercises, and Diet and Job opportunities in Fitness field"	Krishnan Namibiar (International Fitness and Personal Trainer)	Explained about the job opportunities in the field of Fitness.

Sl. No	Date	Programme	Guests/Speakers	Activities/Outcome
28	Jan 2016	Wisdom 2016	Shailaja. P., Bijesh. V., Vidhya. P. V.	In association with NCC unit and Kasaragod Career Guidance and Development Cell. 100 selected students participated. The programme was designed to guide the students to select higher courses and suitable jobs. Classes were handled by research students of Kerala Central University and gave a clear picture to the students about the PG courses offered by the Central Universities of India.
29	Dec 2015	NET/SET Examinations Coaching classes	-	In association with Alumni association conducted the SET examination coaching classes for the Commerce candidates from December 2015 to June 2016. For commerce 95 percentage of the participants successfully cleared the SET examination and qualified for appointment as higher secondary teachers (while the state average was 12% for commerce).
30	24.01.2016	The concluding session of the SET coaching classes	-	The concluding session of the SET coaching classes was held on 24.01.2016. NET coaching classes were held from September to December 2015.
31	05/04/17	Campus Placement	Firms like Infosys, Wipro, Aegis, Sutherland and Solvers India	80 candidates attended

## **Appendix E**

### **Activities of the Counselling Centre**

The centre takes care of those students who really need special attention and counselling. Students could be, if properly advised, brought into the right direction. The centre also fights against AIDS, drug addiction and other deadly diseases and vices.

The centre was Inaugurated by James Chacko, principal, Crescent College of Nursing, Payangadi on 13 th November, 2015. Mr. Mayson and Mrs. Riju together gave a counselling class for the girls in the ladies hostel on 03/03/16.

A talk on ‘Confidence Building” by Advocate Noorul Huda was conducted on 12/01/17. Students were motivated to face the realities and problems in their life. The Centre also provides counselling to the needy students, even individually.

## **Appendix F**

### **Activities of the English Club & Nehru Study Centre**

#### **F.1 Activities of English Club**

Coordinator: Shayini O. (2012-2013) (2015-2016)

The English club conducted a lecture on the topic “Use of profane humour in Art as a Counter Discourse” on 13/03/14. Dr N. Sajan (HoD, Departmentt of English, S.N. College) was the chief guest.

The Club conducts communicative classes for Degree and P.G. students every weekend.

The English Club also monitors the Research Forum being conducted by and for the students of PG English.

The English Club conducted a one day training class in communicative English for degree students on 24/10/16. Mr. Nishad Ahamed, an English Trainer engaged the classes.

#### **F.2 Activities of Nehru Study Centre**

**Coordinator:** Indulekha K. R., Assistant Professor, Department of English.

Nehru Study Centre aims at propagating the great ideals of Pt. Jawaharlal Nehru, the first Prime Minister of India. During this academic year the club has organized varied programmes for the students and general public. The District Level sesquicentennial birth anniversary celebrations of Nehru were inaugurated at NASC, Kanhangad by Dr. G. Gopakumar, Hon. VC of Central University Kerala on 14<sup>th</sup> November 2014. The programme was jointly organized by PRD, Kasargod and this club. Dr. A. Muralidharan (Principal, NASC), Sekhar T. (District Information Officer, PRD Kasargod), Dr. Muhammed Ahammed (Chairman, Folklore Academy Kerala) and Dr. Narayanan (Campus Director, Kasargod campus of Kannur University) addressed the gathering. Dr. G. Gopakumar delivered an enlightening speech on Nehruvian economic thoughts and its relevance at this critical juncture. A two-day Photo exhibition “The Legacy of Nehru”, an exclusive photo feast on Nehru’s political and personal life was organized by the club in connection with the inaugural function. A large number of school-going students visited the exhibition. Both programmes were widely covered by the print as well as the visual media.

The District Level Quiz Competition on Nehru, organized by Public Relations Department, Kasargod was led by Ms. Indulekha K. R., Assistant Professor of English and Co- Ordinator of Nehru club at Civil Station, Kasargod. Photo exhibition on Nehru was displayed at the collectorate conference hall , Kasargod by Nehru Study Center, NASC . The District Collector Mr. Muhammed Sageer IAS inaugurated the photo exhibition.



## **Appendix G**

### **Activities of the Health Club**

Co-ordinators:

- Dr. E. A. Sreedharan, Associate Professor & HoD, Department of Physical Education (2012 - 2014)
- Dr. Subrahmanya Prasad K., Assistant Professor, Department of Botany (2015 - 2016)

The Health Club aims at creating better awareness about various diseases and the preventive measures to be taken among the students of the college. By inviting expert doctors in various branches of medicine, the club organizes consultations and counseling for the students. It also helps the students to relieve themselves from stress and strain. Since 2005, it is a regular practice to provide Health Card to the first year students. All students of the college have their own health cards. The club is also well equipped with physical exercise equipments like Tread mill, Orbitrek, Swiss ball etc., which are kept at the Dept. of Physical Education. Health club in association with Lahari Virudhavedi organized Say Nope to Dope & Drinks an awareness programme on alcohol and drug abuse on 23/08/16.

## **Appendix H**

### **Activities of History Club**

#### **H.1 2012-13**

1. 30 June 2012  
National Seminar in honour of retiring Prof Dr C Balan
2. 9 July 2012  
Inauguration of the 20th anniversary of History Club by renowned play back singer Smt Vani Jayaram
3. 11 July 2012  
Population Day Population awareness talk by Anoop Kumar M and Ratheesh P K
4. 13 July 2012  
History Theatre Inauguration by Sri P V K Panayal
5. 6 August 2012  
Hiroshima Nagasaki Day observation Inaugurated by Sri E Chandrasekharan M L A
6. 9 August 2012  
Quit Pesticides programme by creating Human Wall by students and teachers. The programme was inaugurated by Dr M K Khader Mangad
7. 10 August 2012  
Captain Lakshmi Sehwal Memorial Talk by Sri Vasu Cherod
8. 28 September 2012  
PSC Coaching to the students of NAS College. Inaugurated by Dr Giovindan ( Dean, Agricultural University, Nileswar campus) Students for the programme were selected through entrance test and 400 students attended. Handled 20 classes within a span of 2 months.
9. 8 October 2012  
Gandhi photo exhibition inaugurated by Dr P Prabhakaran, HoD
10. 9 October 2012  
Talk on Space, a audio-visual program conducted by Sri Sreejith M, scientist VSSC, TVM
11. 12 October 2012  
“Talk on Eric Hobsbwam” was conducted in memory of in memory Eric Hobsbwam. Students presented Seminar papers on Eric Hobsbwam
12. 12 October 2012  
History club conducted a social awareness program of Sri Mani, blind student of GHSS Kasaragod. Students and teachers contributed 5500 rupees to Mani and his friend.

13. 13 October 2012

History Alumni get together. Seminar on Local History was inaugurated by Prof K P Jayarajan (Former Controller of Examination, Kannur University and present Controller of Examinations, Yenapaya University) by presenting a paper on The role of Nileshwar in the Independence Movement.. Sri K Balagopalan Master presented a paper on Nileshwar Rajavamsam.

14. 2 November 2012

An audio-visual program in memory of late famous film actor Sri Tilakan inaugurated by Dr.P Prabhakaran, Head of the Department of History. History Club advisor Sri Nandakumar Koroth welcomed the gathering and Kum K V Reshma delivered vote of thanks. History club President Kum Jyothi presided over the programme.

15. 1 Jan 2013

Organised a great procession in protest against the attack on women in the context of the Delhi incident. All the students of NAS College participated in the procession. Dr. P Prabhakaran, Sri V Kuttyan, Dr Jayasree Nair, Smt K K Sudha, Dr T M Surendranath and Sri V V Purushothaman addressed the gathering after the procession.

16. 5 Jan 2013

Honoured NSS National award winner Kum Mahitha and Sri Rathnakara Mallamoola of Kasragod Government college. The Principal Dr M K Abdul Khader inaugurated the programme and Dr Ambikasudhan Mangad presented Mementos.

17. 19 Jan 2013

Training programme for Global competence and Cultural Commitment in collaboration with World Malayalee Council and ALTIUS was organized at NAS College. Students from different colleges of Kasaragod district participated in the One day programme.

18. 8 Feb 2013

Note on NAS College History Museum competition was organized by the History Alumni Association. Prizes were distribution to the best notes by the Principal Dr M K Abdul Khader and presided by History Alumni Association president Sri K Balagopalan master.

19. 23 March 2013

National Seminar on Nationalism, Peasant Movements and Social Change in honour of retiring professor Dr P Prabhakaran. The Program was inaugurated by Dr K K N Kurup, Former Vice Chancellor of Calicut University.

## **H.2 2013-14**

1. 23 March 2013

National Seminar on Nationalism, Peasant Movements and Social Change in honour of retiring professor Dr P Prabhakaran. The Program was inaugurated by Dr K K N Kurup, Former Vice Chancellor of Calicut University.

2. 14 June 2013

The History Club organized a study trip to the archaeological sites of Kookkanam near Karivellur led by the Head of the Department Sri V Kuttyan. The History Alumni Association presented a memento to Sri M Kunhiraman Nambiar, Ex M.L.A, Nehru Arts & Science College Manager who won the T.K.K Foundation award in the Felicitation Function organized by the Alumni Association. The History Alumni Association presented a memento to Dr Khader Mangad, the Honorable Vice Chancellor, Kannur University and former Principal of NAS College on 08.05.2013 in the Felicitation Function organized by the Alumni Association.

3. 25 June 2013

The Club organized discussion on the topic, Marriage age 16

4. 26 July 2013

History Club arranged a Quiz Competition in as part of the Kargil Vijay Divas.

5. 14 September 2013

The History club celebrated Onam with the inmates of the Saketham Vayojana Mandiram in Pallikkara, Nileshtar. The students arranged Onam feast and Pookkalam and presented cultural programmes.

6. 25 Sept 2013

Arranged a talk by a renowned scholar Dr E Radhakrishnan. Head of the Department Prof V kuttyan presided over the meeting.

7. 7 October 2013

The staff members of the Department of History actively participated in the Higher Education Council Seminar held at the Conference Hall.

8. 12 October 2013

History Alumni Association General Body meeting and History Alumni Get together was held on 12.10.2013. The Alumni gettogether was inaugurated by Dr T Pavithran. Sri K Balagopan Master (President) and Sri Sabarinathan ( Secretary) were elected as the office bearers of the Association for the year 2013-14

9. 6 January 2014

The History Club presented a Screening on Tipu Sultan: Misery of History. The programme was inaugurated by the former Vice Chancellor of Calicut University, Dr K K N Kurup. Dr Vincent M J delivered a lecture on, Social Formations in Kerala in the month of January 2014.

10. 23 January 2014

The Deshpri Divas was observed and Sri Chandran Muttath delivered lecture on S C Bose. Dr A Muralidharan, Principal inaugurated the Programme Prof V Kuttyan presided over the function.

11. 24.01.2014

Dr. A.Valsalan , Associate Professor, Department of History, Government Brennan College Thalassery delivered a lecture on Contemporary relevance of History on 24.01.2014, as part of the lecture series organized by the Department of History, Nehru Arts and Science College, Kanhangad.

### H.3 2014-15

History Club organized a one day trip titled Kasaragodine Ariyan on 29 Aug 2014. 40 students from different classes visited historical places of Kasaragod.

The Post Graduate Department of History and History Club of Nileshwar celebrated Sadbhavana Day by organizing a photo exhibition of Indian Freedom Struggle on 20 August 2014. The exhibition covered the major events of the freedom struggle including the Great Revolt of 1857, Non cooperation, Civil disobedience and Quit India Movements and the portraits of great leaders. The photos exhibition was inaugurated by the college principal Dr A Muralidharan. Reshma K V presided over the function. Sruthina K welcomed the gathering and Vineesh N B proposed vote of thanks. The programme helped to cultivate the spirit of patriotism and nationalism in the minds of the students. The photos are from the collections of historian Nandakumar Koroth.

Gandhi Quiz was organized on 1 October 2014 at the English Department Seminar Hall. 35 students participated and Abhilash and Nandakishore bagged first and second prize respectively. The History Department and History Club of Nehru Arts and Science College, Kanhangad organised one day seminar on the "" Backwardness of Kasargod: Historical Reasons"". Eminent historian Dr K K N Kurup inaugurated the the programme on 16 October 2014. Principal Dr A Muralidharan presided over the function. Dr Ambikasudan Mangad, Dr A Ashokan and Prof V Kuttiyan presented papers on the topic. Seminar Co-ordinator Nandakumar Koroth welcomed the gathering and History Club president Reshma K V proposed vote of thanks. The Seminar benefited the teachers, students and the guests to know about the historical reasons of the backwardness of the district.

### H.4 2016-17

Sl. No.	Date	Programme	Details
1	July-Oct 2016	PSC Examination Coaching Classes	The Coaching class was inaugurated by former PSC LD Clerk first rank holder Smt. Rajani. The History Club and the department has been conducting PSC Examination Coaching Classes for the college regular students in the academic year 2016-17. Classes are arranged every day from 3.30 to 4.30.
2	09/08/16	Quit India Day Observance The programme was inaugurated by Dr C Balan.	Quit India Day Observance and A C Kannan Nair Memorial Speech conducted on.

APPENDIX H. ACTIVITIES OF HISTORY CLUB

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<b>Sl. No.</b>	<b>Date</b>	<b>Programme</b>	<b>Details</b>
3	01/10/16	Jijesh P C Memorial Book Shelf and open Library Inaugurated by Prof A Gangadharan Nair, Administrator of the College.	In association with the History Department and the family members of Jijesh, former student in MA History who died in 2015, set up Jijesh P C Memorial Book Shelf and open Library
4	01/01/16	Jyothi Memorial Book Shelf and open Library Relatives of Jyothi handed over Rs 25000 for the library.	Inaugurated by Prof. A. Gangadharan Nair, Administrator of the College. In association with the History Department and the family members of Jyothi, former student and First rank holder in MA History who died in 2016, set up Jyothi Memorial Book Shelf and open Library
5	201/11/16	K Madhavan memorial Talk	K Madhavan memorial Talk conducted

## **Appendix I**

### **Activities of the Lahari Virudha Vedi**

Co-ordinators:

- Dr. T. M. Surendranath, Associate Professor & HoD, Department of Statistics (2012 - 2014)
- Dr. Subrahmanya Prasad K., Assistant Professor, Department of Botany (2015 - 2016)

The abuse of alcohol and other drugs can cause or worsen many medical problems and if left untreated can destroy families and lives. Frequent abuse of alcohol and other drugs can lead to addiction, a disease that affects the brain and behaviour. Abuse of alcohol and other drugs by adolescents is a major public health problem. In Kerala, the abuse of narcotic drugs, psychotropic substances and alcohol is going up alarmingly. There is an increase in cases related to use of ganja, drugs and various substances especially among youngsters. Due to this trend now Kerala is becoming home for largest number of alcoholics, cancer patients and children addicted to tobacco. In this context, objective of Lahari Virudhavedi is to help the students to desist themselves from consumption of alcohol, tobacco, narcotics etc., which is widely rampant among students. Every year, programmes are undertaken to make the students aware of the ill-effects of alcohol and drugs. Membership is open to all students of the college. Lahari Virudhavedi has its own Notice Board and Bulletin Board entitled MARGA DEEPAM with an objective to develop an Anti Maudlin Community. Every year, the club observes World Anti Tobacco Day, International Day against Drug Abuse, World Blood Donor Day and World Aids Day with different activities, slogans, posters which will help the students to desist themselves from consumption of alcohol, tobacco, drugs.

Programmes organized by the Lahari Virudhavedi are

1. Environment Quiz on 16/10/2012, jointly organized by Lahari Virudhavedi and CED, Thiruvananthapuram.
2. One day workshop entitled NEAC - 2012-2013, on 03/11/12, jointly organized by Lahari Virudhavedi, CED, Thiruvananthapuram and Ministry of Environment and Forests.
3. Awareness programme entitled “Say no to Drugs before its too late” on 26/06/13.
4. Prof. M. P. Manmathan Endowment Lecture and Publication of Book entitled “Thiri” on 05/07/14, jointly organized by Lahari Virudhavedi and NSS units of the college.
5. Awareness programme on alcohol and drug abuse entitled “Say Nope to Dope and Drugs” on 23/08/16. This programme was inaugurated by Shri. Rishi Raj Singh IPS, DGP & Excise Commissioner, Kerala. He gave an inspiring talk and actively interacted with the students. Shri. Thomson Jose IPS, Superintendent of Police, Kasaragod delivered the Key Note Address. Dr. K. Vijayaraghavan, Manager of the college presided over the function. Dr. P. V. Pushpaja (Principal), Shri. Muhammed Resheed (Deputy Commissioner, Excise, Kasaragod) and Shri. K. Ramanathan (Secretary, NAS College) addressed the gathering. As a part of this programme, awareness pamphlets were distributed and screening of a documentary entitled Killer Drugs (prepared by Karunasai psycho park de-addiction and mental health research institute, Nedumangad) were also done.

## **Appendix J**

### **Activities of the Mathematics Club**

#### **Coordinators**

- Smt. Sajitha K. M. was the Coordinator of Mathematics Club during 2012-13.
- Dr. Reeja P. V. continues to be the coordinator of the Club from 2013-14 onwards.

#### **J.1 2012-13**

The Mathematics Club organized One day seminar on “Vedic Mathematics” and “Learning Aids in Mathematics” was organized by the Mathematics Club on 20/09/12. Sri Jijesh V., Saseendran, PM Institute, Farook College and Sri P. Narayanan, Secretary, District Mathematics Club handled the sessions. There were 92 participants.

#### **J.2 2013-14**

The Mathematics Club organized three lectures for providing training to students in attending competitive examinations.

1. Sri A. V. Mithun, Nehru Arts and Science College gave a talk on Quantitative Aptitude on 18/10/13 in which 68 students attended.
2. Sudheesh Minni gave a talk on Indian Mathematics on 07/02/14 in which 86 students attended.
3. Preethi Prabhakaran, former student of the department (presently working in State Bank of Travancore, Kannur) gave a talk on Aptitude & Reasoning on 17/02/14 in which 63 students attended.

#### **J.3 2014-15**

The Mathematics Club organized a Mathematics Exhibition named ‘1729’ on 29/01/15. 430 students from 15 schools watched the exhibition. Sri. Prabhakaran P. S., Principal, Gangothri English Medium School, Nemmara, Palakkad, inaugurated the exhibition. Sri. Prabhakaran P. S., Principal, Gangothri English Medium School, Nemmara, Palakkad, gave a lecture on techniques for improving memory skills to the students who came from various schools to visit the exhibition.

#### **J.4 2015-16**

- The students of Mathematics Club participated in the Intercollegiate Mathematics Exhibition X-VISION organised by the Maths Forum, Kaannur, Kasargode at Poomala Auditorium, Cheruvathur on 28/09/15 and exhibited their items.
- The Mathematics Club organized two programmes for helping students in their search for a better job for enabling the students to face competitive situations



1. On 08/01/16, Smt. Soumya S. Madhavan, Psychologist, AmruthaVidyalayam, Kanhangad, delivered a lecture on “Goal Setting”.
2. On 08/02/16, Smt. Sumayya Mohammed, ILFS Trainer, REACH, Pilathara, handled an Interview Session.

### **J.5 2016-17**

Mathematics club arranged Ganitha pookala Rachana (Mathematical flower carpet) completion on 01/09/16.

## Appendix K

### Activities of NCC

Sl. No	Date	Programme	State/National Level	Details
1	07.11.2012	Rock Climbing Training Camp	National Camp	1 NCC Cadet of our institution attended the Rock Climbing Training Camp at Gwalior from 07.11.2012 to 17.11.2012
2	26.06.2012	National Integration Camp, Shahiabad	National Camp	6 NCC Cadets of our institution attended the camp from 26.06.2012 to 05.07.2012 at Shahiabad
3	24.01.2013	Combined Annual Training Camp	State Camp	2 NCC Cadets of our institution attended the Combined Annual Training Camp from 24.01.2013 to 02.02.2013 at Pandikatt.
4	18.12.2012	National Integration Camp	National Camp	2 NCC Cadets of our institution attended the National Integration Camp at Kalpakkam from 18.12.2012 to 27.12.2012
5	22.12.2012	National Integration Camp	National Camp	1 NCC Cadet of our institution attended the National Integration Camp from 22.12.2012 to 31.12.2012 at Kollam.
6	21.07.2012	Combined Annual Training Camp	State Camp	21 cadets of our institution attended the Combined Annual Training Camp from 21.07.2012 to 29.07.2012 at Kozhikode.
7	26.06.2012	Combined Annual Training Camp	State Camp	6 NCC Cadets of our institution attended the Combined Annual Training Camp from 26.06.2012 to 05.07.2012 at Mavoor, Kozhikode.
8	25.08.2012	Combined Annual Training Camp	State Camp	5 NCC Cadets of our institution attended the Combined Annual Training Camp from 25.08.2012 to 03.09.2012 at Koothuparamba, Kannur.
9	21.07.2012	Combined Annual Training Camp	State Camp	17 NCC Cadets of our institution attended the Combined Annual Training Camp, Mavoor, Kozhikode from 21.07.2012 to 29.07.2012.
10	15.09.2012	Combined Annual Training Camp	State Camp	6 NCC Cadets of our institution attended the Combined Annual Training Camp from 15.09.2012 to 24.09.2012 at Mavoor, Kozhikode.
11	28.06.2013	Combined Annual Training Camp	State Camp	5 NCC Cadets of our institution attended the Combined Annual Training Camp from 28.06.2013 to 07.07.2013 at Kozhikode
12	11.06.2012	Army Attachment Camp	National Camp	5 NCC Cadets of our institution attended the Army Attachment Camp from 11.06.2012 to 20.06.2012 at Secunderabad.
13	23.12.2012	Kerala Trekking Camp	National Camp	3 NCC Cadets of our institution attended the Kerala Trekking Camp, Aluva from 23.12.2012 to 30.12.2012
14	06.05.2012	Trekking camp, AP Trek	National Camp	3 NCC Cadets of our institution attended the Trekking camp from 06.05.2012 to 16.05.2012 at AP Trek
15	02.12.2012	Trekking camp	National Camp	2 NCC Cadets of our institution attended Trekking camp from 02.12.2012 to 12.12.2012 at Bihar Trek.

Sl. No	Date	Programme	State/National Level	Details
16	16.06.2013	Army Attachment Camp at Indian Military Academy, Dehradun	National Camp	A prestigious camp in the direction of selection to the Military Officer cadre. Varun is the only cadet selected from the NCC Kozhikode Group (Comprising the area from Palakkad to Kasaragod). He along with five cadets from Kerala-Lakshadweep Directorate attended the Army Attachment Camp at Indian Military Academy, Dehradun from 16.06.2013 to 30.06.2013.
17	15.08.2012	Independence Day ceremonial parade	-	Independence Day ceremonial parade was centrally organized at Kasaragod and a contingent of 31 cadets commanded by Senior Under Officer Sribin. C took part in the parade.
18	-	SSB selection	-	Akhil. A. R. successfully completed the SSB selection and successfully underwent training at Officers Training Academy, Chennai and got commissioned rank in Indian Army.
19	-	Sahara Scholarship	National Scholarships	Akhil. A. R. and Ajay Sekhar were awarded Sahara Scholarship worth Rs.16,000 each.
20	26.01.2013	Republic Day Ceremonial Parade	-	A contingent of 31 cadets of this institution commanded by Senior Under Officer Sribin. C participated in the centrally organized parade held at Kasaragod to celebrate the Republic Day. The contingent of this institution was selected as the best contingent among the participants and received the winner's trophy from the honourable minister Sri. M. K. Muneer.
21	01.07.2016	Medicine Box	-	For helping the poor patients usable medicines were collected by fixing a Medicine Box near the college office from the students and staff and distributed to the patients in collaboration with the Pain and Palliative Care centre, Nileshwar from July 2012 to May 2013.
22	10.11.2013	Cleaning programme	-	Cleaned the College premises
23	14.11.2013	Desharaksha Jyothi	-	On 14.11.2012 a programme titled "Desharaksha Jyothi" was organized to promote the feeling of nationalism and patriotism.
24	31.05.2013	Anti-tobacco day	-	Sri. Rameshan, Health Worker, handled anti-tobacco class and created an awareness among the students against the use of tobacco products.
25	07.11.2012	Basic Leadership Camp	State level camp	JUO Vijayakumar. K. V. and CPL Ananthakrishnan. S of our institution attended in the Basic Leadership Camp at Trissur from 07.11.2012 to 17.11.2012.
26	16.09.2013	Combined Annual Training Camp	State level camp	10 Cadets under CPL Amruth. C. Mohan attended CATC at Kozhikode from 16.09.2013 to 25.09.2013.
27	10.07.2013	Combined Annual Training Camp	State level camp	6 Cadets under L/CPL Anoop. P. C. attended CATC at Kozhikode from 10.07.2013 to 19.07.2013.
28	02.10.2013	Army Attachment Camp	National Camp	8 Cadets under CPL Amruth. C. Mohan was selected to attend the Army Attachment Camp at Pangod from 02.10.2013 to 16.10.2013.

Sl. No	Date	Programme	State/National Level	Details
29	16.10.2013	Army Attachment Camp	National Camp	3 Cadets under JUO Vijayakumar. K. V. attended the Army Attachment Camp at Secunderabad from 16.10.2013 to 30.10.2013.
30	28.06.2013	TSC Selection Camp	State level Camp	5 Cadets of our college under SGT Gopika. T. attended TSC Selection Camp at Kozhikode from 28.06.2013 to 6.07.2013.
31	27.09.2013	Thal Sainik Camp	National Camp	SGT Gopika. T successfully attended 9 TSC Selection Camps and attended the prestigious Thal Sainik Camp held at New Delhi from 27.09.2013
32	18.10.2013	Facilitation Function	-	A function was organized on 18.10.2013 to felicitate the achievement of SGT Gopika (II B.Sc. Mathematics) who attended the prestigious Thal Sainik Camp held at New Delhi, by the NCC unit of NAS College.
33	19.07.2013	Felicitations Function	-	The function was organized to felicitate SUO Varun who attended the Army Attachment Camp at Indian Military Academy, Dehradun, a prestigious camp in the direction of selecting in the Military Officer cadre.
34	Jan 2014	Republic Day Camp	National Camp	NCC SUO Varun. N and CPL Prasobh. M attended the prestigious Republic Day Camp at Delhi in the month of January 2014. After 21 years, two regular students of our institution attended the Republic Day Camp and the number of RD Camp attended cadets from Nehru College rose to 5. Varun and Prashobh participated in the Prime Minister's Rally and got a rare opportunity to spend time with the President of India, the Prime Minister and the chiefs of Indian Army, Air Force and Navy.
35	Jan 2014	Best Cadet	State Level	SUO Varun. N served as Senior Cadet in the RDC Selection camps at Kozhikode. At the Pre-RD Camp held at Thiruvananthapuram Varun was adjudged as the Best Cadet of Kerala-Lakshadweep Directorate.
36	04.02.2014	Felicitations function	-	The NCC Unit organized a felicitations function in honour of the remarkable achievement of Varun (II B.Sc. Physics) and Prashob (II B.Sc. Physics).
37	04.02.2014	Special Award	-	A memento with the inscription "for the good work done to the institution" instituted by the College Management was presented to the Associate NCC Officer in recognition of the great achievements of our NCC unit.
38	06.02.2014	Felicitations function	-	Felicitations function to the cadets who attended the RD Camp.
39	Feb 2014	Felicitations function	-	The Nehru College NSS units come forward to recognize the achievement of Varun and Prashob and organised a function and presented mementos.

Sl. No	Date	Programme	State/National Level	Details
40	15.08.2013	Independence Day Ceremonial Parade	-	A contingent of 31 cadets of this institution commanded by Senior Under Officer Varun. N participated in the centrally organized parade held at Kasaragod to celebrate the Independence Day. The contingent of this institution was selected as the best contingent among the participants.
41	26.01.2014	Republic Day Ceremonial parade	-	A contingent of 31 cadets of this institution commanded by Junior Under Officer Vijayakumar K V participated in the centrally organized parade held at Kasaragod to celebrate the Republic Day. The contingent of our institution was selected as the best contingent among the participants.
42	July 2013	Awareness programme	-	Campaign to create an awareness among the parents and students to join in the NCC and helped them in the admission process during the days of first year degree admission 2013-14.
43	2013-14	Medicine Box	-	For helping the poor patients, usable medicines were collected from the students and staff by fixing a Medicine Box near the college office and distributed to the patients in collaboration with the Pain and Palliative Care centre, Nileshwar.
44	19.10.2013	Wheel Chair distribution	-	The NCC Unit in collaboration with the Lions Club of Nileshwar North distributed wheel chairs to the needy as part of its social service.
45	12.04.2013	Naval Academy Visit	-	40 Cadets of our college led by the ANO visited Indian Naval Academy Base at Ezhimala.
46	12.04.2013	Hope Charitable Trust Rehabilitation Centre Visit	-	The Cadets visited the Hope Charitable Trust, Pilathara and distributed sweets to the inmates. The inmates of the 'Hope and the cadets staged variety of cultural programs.
47	24.11.2013	NCC day Celebration	-	Cultural Programmes of the Cadets were staged
48	07.12.2013	Flag Day Observance	-	The Flag Day were observed. Cadets collected Flag Day fund from the students of our college and handed over to the NCC Battalion on 31 Dec 2013.
49	June 2013	Jharkhad Flood Relief Fund	-	Students raised Jharkhad Flood Relief Fund and handed over the same to the 32(K) battalion NCC, Payyanur.
50	26.07.2013	Kargil Vijay Divas	-	The NCC Unit observed Kargil Vijay Divas by lighting candles in memory of the departed soldiers and by organizing a photo exhibition on Kargil war.
51	05.06.2013	World Environmental Day	-	World Environmental Day was observed by planting saplings at the premises of the College.
52	31.08.2013	Training class	-	A training class for the selected students from different colleges of the district was organised by the NCC Unit of the college in collaboration with World Malayalee Council and ALTIUS at the College Seminar Hall.
53	16.10.2013	Ayyappa Panikker Quiz competition	District Level	Our Cadet Arjun Balan won the District level Ayyappa Panikker Quiz competition organised by the NCC Unit of the college in collaboration with World Malayalee Council and ALTIUS.

Sl. No	Date	Programme	State/National Level	Details
54	24.07.2013	Recognition of ethics in profession	-	The NCC Unit of the college organized a function in collaboration with the Value and Ethic Club and CCIG at the College Seminar Hall to honour Sri Sudhakaran, the lottery agent of Kanhangad who showed exemplary honesty in his profession.
55	18.07.2013	“Janangalanu Police”	-	The NCC Unit in cooperation with the Janmaithri Police staged a programme titled “Janangalanu Police” in the College Seminar Hall in collaboration with the Kerala Police and NSS units.
56	01.01.2014	New Year Celebration	-	The New Year Day was celebrated by distributing cakes to the cadets and arranging cultural programmes..
57	08.03.2014	University fine arts	-	The NCC cadets and ex cadets of our institution bagged several prizes on behalf of our college in the Kannur University fine arts festival held at Payyanur from 5-8 March 2014.
58	14.03.2014	“Save Energy” Quiz Competition	-	The NCC cadets Sreenath (II Physics), Vijayakumar. K. V (II BA Economics, and Suraj (I B.Sc. Physics) bagged first (Rs. 700), second (Rs. 500) and third (Rs. 300) prizes respectively in the “Save Energy” Quiz Competition held at the college on 14.03.2014.
59	10.04.2014	Special Police Officers in the Lok Sabha Election	-	The NCC cadets of our institution served as Special Police Officer in the Lok Sabha Election 10.04.2014.
60	05.10.2013	NCC cadets ex forum (Nexus) General body and ex cadets get together	-	The General Body meeting of the NCC ex forum Nexus was held on 05.10.2013.
61	19.02.2014	Felicitation Function	-	The NAS College NCC Unit and NCC ex forum, “NEXUS” jointly organized a Felicitation Function to SUO Varun, SGT Prashob. M and SGT Gopika. T, the proud products of our NCC units.
62	Dec 2013 and Jan 2014	NET and SET examination coaching	-	The NEXUS arranged NET and SET examination coaching for the Commerce students. The students successfully attended the examinations and achieved 100 percent result in the SET examination held in February 2014.
63	08.05.2013	Felicitation Function	-	Felicitation Function to honour the Kannur University Vice Chancellor, Dr Khader Mangad, former Principal of Nehru Arts and Science college.
64	05.09.2013	Farewell Function	-	The NAS College NCC Unit and NCC ex forum, “NEXUS” jointly organized a Farewell Function on 05.09.2013 to the Col. Jayakumar. S, Commanding Officer, 32 (K) Bn NCC, Payyanur, at the College.
65	31.05.2014	Ezhimala Naval Academy Visit	-	The NCC Cadets visited Ezhimala Naval Academy on 31.05.2014 to witness the Passing Out Parade. Cadets were motivated by the programme to join Indian Military Force.

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66	31.05.2014	Anti-Tobacco Day Observance	-	The Anti-Tobacco Day was observed by the NCC Unit of Nehru Arts and Science College, Kanhangad at Payyanur Gandhi Park by taking pledge against the use of tobacco in front of the Gandhi Statue.
67	07.04.2014	World Health Day	-	World Health Day was observed on 07.04.2014 at the College by distributing Food kits to the patients who are registered at Karunya Paliative Care, Nileshwar.
68	11.07.2014	Trekking Camp	National Camp	CQSM Deepak Thamban and SGT Sooraj. K.V. attended Trekking Camp at Tirupati from 11.07.2014 to 18.07.2014
69	26.12.2014	Advanced Leadership Camp	National Camp	CPL Sachinraj. K. V. of our institution attended in the Advanced Leadership Camp held at Agra from 26.12.2014 to 04.01.2015.
70	08.12.2014	National Integration Camp	National Camp	L/CPL Sarath. M attended the NIC Hatighisa from 08.12.2014 to 19.12.2014.
71	06.09.2014	Basic Leadership Camp	State level Camp	SGT Rajeesh attended Basic Leadership Camp at Kottayam from 06.09.2014 to 15.09.2014.
72	13.01.2015	Advanced Leadership Camp	National Camp	SGT Rajeesh attended Advanced Leadership Camp at Ahmedabad from 13.01.2015 to 22.01.2015.
73	09.07.2014	Combined Annual Training Camp	State level Camp	16 Cadets under SGT Rajeesh attended CATC at Mavoor, Kozhikode from 09.07.2014 to 18.07.2014.
74	23.08.2014	Combined Annual Training Camp	State level Camp	6 Cadets under L/CPL Sachin. V. M attended CATC at Kozhikode from 23.08.2014 to 01.09.2014.
75	20.12.2014	Combined Annual Training Camp	State level Camp	3 Cadets under CQSM Deepak Thamban attended CATC at Brennan College, Thalassery from 20.12.2014 to 29.12.2014.
76	09.06.2014	Combined Annual Training Camp	State level Camp	3 Cadets under CPL Sachinraj. K. V. attended CATC at Mavoor from 9 to 18 June 2014.
77	15.08.2014	Independence Day Ceremonial Parade	-	A contingent of 31 cadets of this institution commanded by CQSM Deepak Thamban participated in the centrally organized parade held at Kasaragod to celebrate the Independence Day. The contingent of this institution was selected as the best contingent among the participants. The Cadets attended rehearsal parade at Kasaragod on 11, 12 and 13 <sup>th</sup> August 2014.
78	15.08.2014	Independence Day Celebration	-	Independence day was celebrated by the NCC unit at the College. Gave a warm welcome to the NCC contingent of our college who bagged Independence Day parade winners trophy at the Independence Day parade centrally organized at Kasaragod.

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79	26.01.2015	Republic Day Ceremonial Parade	-	A contingent of 31 cadets of this institution commanded by CQSM Deepak Thamban participated in the centrally organized parade held at Kasaragod to celebrate the Republic Day on 26 January 2015. The contingent of our institution was selected as the best contingent among the participants. The unity and discipline among the cadets of our institution enabled us to bag both the Independence Day and Republic Day Parade trophies in successive two years. The cadets attended RD rehearsal parade at Kasaragod from 22.01.2015 to 24.01.2015.
80	2014-15	Medicine Box	-	For helping the poor patients usable medicines were collected from the students and staff by fixing a Medicine Box near the college office and distributed to the patients in collaboration with the Pain and Palliative Care centre, Nileshwar.
81	06.08.2014	NCC Enrollment	-	-
82	June 2014	Help Desk	-	Cadets conducted a campaign to create an awareness among the parents and students to 83 join in the NCC and helped them in the admission process during the days of first year degree admission.
83	23.11.2014	NCC Day Observation-Cleaning	-	The 32 Kerala Battalion NCC Kanhangad Nehru Arts and Science College unit celebrated NCC Day by cleaning the premises of the campus
84	23.11.2014	NCC Day Observation	-	Celebrated NCC Day giving financial aid to the inmates of Hope Charitable Trust, Pilathara on 23.11.2014.
85	07.12.2014	Flag Day Fund Collection	-	The NCC unit of Nehru Arts and Science College, Kanhangad observed Armed Forces Flag Day. The NCC Cadets collected Flag Day Fund from the students and teaching and non teaching staff for assisting the families of the brave soldiers who shed their blood for our nation.
86	07.12.2014	Flag Day fund collection	-	6 cadets from our unit participated in the Flag Day fund collection organized at Kasaragod by the District Sainik Welfare Board as per the instruction from battalion.
87	05.06.2014	World Environment Day	-	The NCC cadets of Nehru Arts and Science College planted 100 saplings at the college premises and pledged to preserve the plants Arrangements were made for proper fencing and watering.
88	05.06.2014	Mangroves saplings were planted	-	As a step to preserve the Nileshwar river Mangroves saplings were planted.
89	26.07.2014	Kargil Vijay Divas	-	The NCC unit of Nehru Arts and Science College observed Kargil Vijay Divas by lighting 527 candles in memory of the brave soldiers who became martyrs in 1999 for our nation.
90	26.07.2014	Respect through photo exhibition of heroes	-	100 photos of Kargil martyrs and victorious moments of Kargil War exhibited at thr College auditorium.



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91	26.07.2014	Freedom fighter honoured on his 100 Birth Day	-	The NCC unit of Kanhangad Nehru Arts and Science College organised a function to honour the renowned freedom fighter N V Koran Master on his 100 <sup>th</sup> birth anniversary day at his residence in Ramandali on 26.07.2014. The NCC cadets got a rare opportunity to meet the 100 year old freedom fighter.
92	06.09.2014	Best Firer SGT Rajeesh	State Level	Rajeesh, NCC Cadet of Nehru Arts and Science College, Kanhangad adjudged as the best firer at the Combined Annual Training Camp and Basic Leadership Camp held at Ernakulam organised by the 21 Kerala Battalion NCC. Rajeesh is a second year BSc Polymer Chemistry student of the College.
93	19.09.2014	Felicitation Function	-	Felicitation function was organized at the College to recognize the achievement of Rajeesh.
94	14.08.2014	Mushroom Cultivation Training	-	The Rotary Inner Wheel Club of Nileshtar organised Mushroom Training Programme in association with the NCC, ED Club, Botany Department and CCIG of Nehru Arts and Science College, Kanhangad on 14.08.2014.
95	21.09.2014	Meet the Achiever Programme	-	Organised by NCC unit in association with the Centre for Career Information and Guidance of Nehru Arts and Science College, Kanhangad. By the "Meet the Achiever" Programme eminent personalities from different walks of life are invited to the college and intended to arrange platforms for interaction with the students.
96	21.09.2014	Career opportunities in armed forces	-	Indian Coast Guard Deputy Commandant Ritin Thamban delivered a lecturer on the topic, "Career opportunities in armed forces" and motivated the students join in uniformed jobs.
97	19.09.2014	Felicitation Function	-	The 32 Kerala Battalion NCC Unit, Payyanur felicitated the Under Officer Albin Johnson who got selection in the Youth Exchange Programme and visited Russia The battalion arranged an interactive session with the selected cadets of Kannur and Kasaragod districts. 10 Cadets from our institution attended along with the ANO. Albin Johnson's experience sharing motivated the cadets.
98	24.09.2014	Felicitation Function	-	Felicitation Function to Albin was organized at the College on 24.09.2014.
99	23.09.2014	Group Commanders Conference at Battalion	-	As part of Annual Inspection, NCC Kozhikode Group Commander Brigadier J. K. Nair visited 32 Kerala Battalion NCC office at Payyanur. The Associate NCC officers from different colleges and schools of Kasaragod and Kannur districts, parade instruction staff and office staff attended the meeting.

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100	23.09.2014	How to face SSB interview	-	NCC Group Commander delivered a lecture to how to make the cadets fit for SSB interviews. He stressed the importance of communicative skill, physical fitness and good manners and behavior for success in SSB interviews. 10 Cadets under CPL Unnimaya attended the Class.
101	01.10.2014	Blood Donors Day	-	On Blood Donation Day, Flash mob was organized at the Nileshwar bus stand by the NCC and NSS units to make an awareness among the public to donate blood.
102	02.10.2014	Gandhi Jayanthi and Saach Bharat Campaign	-	The NCC unit celebrated Gandhi Jayanthi by cleaning the premises of the District Ayurvedic Hospital on 02.10.2014.
103	13.09.2014	Waste pit digging	-	On 13.09.2014 the Cadets dug waste pit at the college.
104	10.10.2014	Stamp Exhibition, Own Stamp, Philately Seminar and National Postal Day Observation	-	In collaboration with the Kasaragod division of the Postal Department celebrated National Postal Day by arranging Postal Stamp Exhibition and conducting Philatelic awareness class. Experts from postal department Benny Joseph and Riju. K. P and Balan Ambalathara handled classes on philately. 12000 stamps and hundreds of coins from the collection of Balan Ambalathara were exhibited. Students and teachers from different schools of Nileshwar and Kanhangad visited the pavilion.
105	25.10.2014	Globally Competent and Socially Committed Workshop	-	The NCC unit, in cooperation with the World Malayalee Council and ALTIUS, organised one day workshop with the slogan "Globally Competent and Socially Committed" at the College. Selected students from different colleges under Kannur University participated. The workshop intended to make the students globally competent and socially committed.
106	31.10.2014	National Unity Day	-	The NCC, 32 Kerala Battalion, Payyanur Nehru Arts and Science College, Kanhangad unit in association with the College NSS unit observed National Unity Day by organizing "Mass Run For Unity" programme, on the birth anniversary day of Sardar Vallabhbhai Patel, who devoted his life for the unification our nation. The participants took pledge to work for the Unity and integrity of our nation.
107	06.11.2014	Condolence to Anas	-	A Condolence programme was organized by the Cadets and students of NAS College in memory of Anas of Kallikandy college who lost his life in a firing incident in the NCC Camp held at Koothuparamba.

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108	29.11.2014	NCC Square at the College	-	The NCC Square built by the NCC unit was inaugurated by the 32 Kerala Battalion NCC Commanding Officer Lt. Col. Rajeevan. A. The NCC Square comprising "Vijaya Shilpam", Mini stage and Recreation space was erected. The Vijaya Shilpam was built in memory of the great victories of India in the 1965 and 1971 India- Pakistan war and in the Kargil war. It was intended to promote the spirit of patriotism in the minds of the students.
109	07.12.2014	Youth Empowerment Programme	-	The Kerala State Youth Commission in association with the NCC unit and Centre for Career Information and Guidance of Nehru Arts and Science College, Kanhangad organised Youth Empowerment Programme at the College Conference Hall. Renowned T V programmer and actor and the state co-ordinator of Youth Commission Rahul Ishwar delivered Key note address. The programme included motivation, career guidance and cyber crimes awareness classes.
110	07.12.2014	Cyber Crimes Awareness Programme	-	The NCC unit organised Cyber Crimes Awareness Programme at the College Conference Hall on 07.12.2014 The youth commission was formed by the Government of Kerala to empower the youth. Ramakrishnan Chalingal handled Cyber Crimes awareness class.
111	10.12.2014	Human Right Day	-	The NCC and NSS units and Red Ribbon Club of Nehru Arts and Science College, Kanhangad observed Human Rights Day on 10.12.2014 by organizing Seminar and taking pledge. Adv. Alice Krishnan delivered Key note address.
112	01.12.2014	Aids Day Observation	-	The Red Ribbon Club, N.S.S and NCC units of Nehru Arts and Science College, Kanhangad organised Aids Awareness Seminar and Cartoon Exhibition and cartoon writing competition as part of the World Aids Day observation on 01.12.2014. 150 cartoons on the topic Aids awareness were exhibited. The cartoons portrayed the preventive measures and attitude towards the victims of AIDS. Expert from Health Department Ramesan. K. M. delivered Key note address. The participants took a pledge to work for creating an awareness among the public.
113	13.09.2014 to 27.09.2014	NCC Square construction	-	On 13 <sup>th</sup> , 20 <sup>th</sup> , and 27 <sup>th</sup> September Cadets under SGT Deepak Thamban helped the construction of NCC Square.
114	13.12.2014	Felicitation to NSS Award Winner	-	The NCC unit organised a Felicitation Function to the NSS state award winner T. M. Surendranath on 13.12.2014 to motivate the cadets.

Sl. No	Date	Programme	State/National Level	Details
115	26.12.2014	Felicitation Function	-	Felicitation Function to Cdt Sarath who bagged second prizes in the Solo Song and National Integration Awareness Programme conducted as part of the National Integration Camp. As a Theyyam artist and folklore singer he presented the "Thottampattu" and attracted the attention of the cadets coming from different parts of India and got second prize in the Solo Song competition.
116	25.02.2015	New Year Day Celebration	-	The New Year Day was celebrated by distributing cakes to the cadets and arranging cultural programmes.
117	12.01.2015	National Youth Day	-	The NCC and NSS units and Red Ribbon Club of Nehru Arts and Science College, Kanhangad observed National Youth Day. The programme was inaugurated by Prof. G. Gopakumar, Vice Chancellor, Central University of Kerala. Youth March and Youth Day Signature Campaign were organised as part of the programme. The signature campaign in support of the youth was inaugurated by the Vice Chancellor.
118	15.01.2015	Palliative Care Day	-	The NCC and NSS units of Nehru Arts and Science College, Kanhangad observed Palliative Care Day by distributing Wheel chairs, honouring Palliative Care worker and taking pledge.
119	19.01.2015	Felicitation Function	-	The NCC unit arranged a Felicitation Function on 19.01.2015 to honour Vineeth. P., Second year B.Sc. Physics student of the College who achieved laurels in the 19 <sup>th</sup> National Youth Festival held at Assam. Vineeth got first prize in the Mriddangam and second prize in the Classical Music competitions.
120	20.01.2015	Run Kerala Run	-	The NCC cadets NSS volunteers, Sports persons and other students of the College actively participated in the "Run Kerala Run" campaign as part of the National Games on 20.01.2015.
121	25.01.2015	National Voters Day	-	The NCC unit of Nehru Arts and Science College, Kanhangad observed National Voters Day. The meeting felicitated K. V. Vijayakumar, the Campus Ambassador who helped to enroll maximum number of students in the voters' list from the District.
122	2015-02-01	NCC Sign Board	-	The NCC Cadets voluntarily repaired the NCC sign board in front of the College in February 2015.
123	24.10.2014	Commanding Officers Visit	-	On 24.10.2014, Commanding Officer Lt. Colonel. Rajeevan visited the College.
124	2014-08-01	Felicitation to Best Cadet	-	Nithya. K of our unit was adjudged as the best Cadet in the CATC held at Kozhikode in June.
125	26.12.2014	Felicitation Function	-	On 26.12.2014, felicitated Cdt. Aswathy who attended State Level Personality Development Camp at Thiruvananthapuram. The unit also organized function to felicitate University best actress CPL Unnimaya. K. P and Boxing Gold Medalist L/CPL Anoop.V.

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126	09.08.2014	Hiroshima Day	-	On 09.08.2014, Hiroshima Day was observed and Sri. Balagopalan master delivered key note address.
127	09.08.2014	Quit India Day	-	The Quit India day was observed by organizing a Quiz competition in association with the History Alumni Association.
128	27.07.2014	Felicitation Function	-	On 27.07.2014, the 1988 batch Students of our college recognized the achievements of our cadets and cash awards were given to Sri Varun. N and SGT. Nithya. K.
129	01.11.2014	Weapon Training	-	On 01.11.2014, weapon training was given to the cadets of NAS College.
130	04.11.2016	Guard of Honour to Honourable Home Minister	-	The NCC cadets received the Honourable Kerala Minister for Home Affairs Sri. Ramesh Chennithala by giving Guard of Honour on 04.11.2014 when he came to inaugurate the PG Block.
131	22.10.2014	NEXUS General Body meeting	-	Elected Dr. V. Gangadharan (President), Adv. Varijakshan Kodoth (Vice President), Harshan. P. V (Secretary) Ajith, Varun. N (Joint Secretary) and Riju. K. P (Treasurer) as the officer bearers for the year 2014-15.
132	11.11.2014	“Snehasparsam”	-	The NCC Ex cadets forum (NEXUS) of Nehru Arts and Science College, Kanhangad organised “Snehasparsam” programme in collaboration with Karuna Palliative Care Society and social and cultural organisations of Nileshwar at the College which gave rays of hope to the Palliative patients. The programme raised around Rupees 6 lakh from the kind hearted persons. Around 40 clubs and associations donated Rs. 10000 and more to the Karuna Palliative Care Society. 80 palliative patients attended along with thousands of people from Nileshwar and Kanhangad, NCC ex cadets, alumni, teachers and students of Nehru Arts and Science College, Kanhangad. Famous film star and Member of Parliament Sri. Innocent inspired the palliative patients through his motivating speech. He received memorandums from the patients. Food kits and scholarships were distributed to the patients and their relatives. NCC Cadets and volunteers controlled the programme.
133	03.04.2015	Shooting team selection Camp	State level Camp	Pranav attended the shooting team selection Camp at Kozhikode from 03.04.2015 to 07.04.2015.
134	11.05.2015	Combined Annual Training Camp	State level Camp	10 Cadets attended CATC at Sulthan Bathery from 11.05.2015 to 20.05.2015 under the leadership of Cdt. Pranav. K.
135	04.05.2015	Combined Annual Training Camp	State level Camp	10 Cadets attended CATC, Periyar led by JUO Rajeesh from 04.05.2015 to 13.05.2015.
136	21.05.2015	Combined Annual Training Camp	State level Camp	5 cadets attended CATC Kozhikode from 21.05.2015 to 30.05.2015 led by Cdt. Sreena. K.

Sl. No	Date	Programme	State/National Level	Details
137	21.05.2015	Combined Annual Training Camp	State level Camp	7 Cadets attended CATC Manjeri from 21.05.2015 to 30.05.2015 led by Cdt. Pranav K.
138	21.06.2015	Advanced Leadership Camp, Kharakhpur	National Camp	JUO Nithya. K attended Advanced Leadership Camp, Kharakhpur from 21.06.2015 to 30.06.2015.
139	21.06.2015	Army Attachment Camp	National Camp	2 cadets attended Army Attachment Camp from 21.06.2015 to 30.06.2015 led by CPL Anoop.
140	21.06.2015	Indian Military Academy Attachment Camp, Dehradun	National Camp	JUO Rajeesh attended Indian Military Academy Attachment Camp, Dehradun from 21.06.2015 to 30.06.2015. Total 5 cadets were selected to attend the Camp from Kerala Laksadweep Directorate.
141	08.06.2015	RD Selection Camp at Sulthan Bathery	State level Camp	Four Cadets attended RD Selection Camp at Sulthan Bathery from 8 to 17 June, 2015.
142	21.06.2016	Mass Yoga at Nehru Arts & Science College, Kanhangad	State level Camp	60 Cadets attended the Mass Yoga from Nehru Arts & Science College, Kanhangad on 21 June 2015.
143	09.08.2015	RD Selection camp, Sulthan Bathery	State level Camp	3 cadets led by cdt Pranav K attended RD Selection camp, Sulthan Bathery from 9 to 18 August 2015.
144	23.08.2015	RD Selection camp, Kozhikode	State level Camp	3 cadets led by cdt Pranav K attended RD Selection camp, Kozhikode from 23 August to 1 September 2015.
145	07.09.2015	RD Selection camp, Kozhikode	State level Camp	3 cadets led by cdt Pranav K attended RD Selection camp, Kozhikode from 7 to 6 September 2015.
146	16.09.2016	Trekking Camp, Utharakhand	National Camp	Sgt Shyambabu attended Trekking Camp, Utharakhand from 16 to 31 September 2015.
147	02.10.2015	Combined Annual Traing Camp, Kozhikode	State level Camp	2 cadets led by Cdt Pranav K attended CATC, Kozhikode from 2 to 11 October 2015.
148	16.10.2015	RD Selection Camp, Kozhikode	State level Camp	2 cadets led by Cdt Pranav K attended RD Selection Camp, Kozhikode from 16 to 25 October 2015.
149	16.10.2015	Combined Annual Traing Camp, Kozhikode	State level Camp	13 cadets led by L/Cpl Ajith attended CATC, Kozhikode from 16 to 25 October 2015.
150	14.11.2015	RD Selection Camp, Kozhikode	State level Camp	2 cadets led by Cdt Pranav K attended RD Selection Camp, Kozhikode from 14 to 23 November 2015.
151	04.11.2015	RD Selection Camp, Kozhikode	State level Camp	2 cadets led by Cdt Pranav K attended RD Selection Camp, Kozhikode from 4 to 13 November 2015.
152	17.12.2015	Malayattur Trekking Camp	National Camp	SUO Deepak Thamban attended Malayattur Trekking Camp from 17 to 27 December 2015.
153	19.12.2015	Pre RD Camp, Kozhikode	State level Camp	2 cadets led by Cdt Pranav K attended Pre RD Camp, Kozhikode from Thiruvananthapuram from 19 to 28 December 2015.

Sl. No	Date	Programme	State/National Level	Details
154	19.12.2015	National Integration Camp, Malappuram	National Camp	2 cadets led by Cdt Aneesh attended National Integration Camp, Malappuram from 19 to 28 December 2015.
155	19.12.2015	Combined Annual Traing Camp, Thali-paramba	State level Camp	4 cadets led by Cdt Sagar attended CATC, Thali-paramba from 19 to 28 December 2015.
156	04.05.2015	CATC Navodaya Periya Camp Adjutant	State level Camp	The NCC Officer Lt. Nandakumar Koroth served as the Camp adjutant of the Combined Annual Training Camp held at Navodaya, Periya from 4 to 13 of May 2015.
157	13.05.2015	Best Cadets JUO Rajeesh and JUO Nithya Best Firer and SGT Neethu	-	Rajeesh, Second year BSc Polymer Chemistry, adjudged as the best cadet in Senior Division and Nithya K, Second year BSc Physics, as the Best Cadet in Senior Wing. Neethu K, Second BSc Physics, adjudged as the best firer of the camp. They received certificates and medals from K.Madhusoodhanan I.P.S., retired Inspector General of Police. Cadets of Nehru Arts and Science College, Kanhangad bagged best cadets awards in the Combined Annual Training Camp at Jawahar Navodaya Vidhyalaya, Periya organised by 32 Kerala Battalion NCC, Payyanur. 724 Cadets from Palakkad to Kasaragod participated in the Camp.
158	21.06.2015	JUO Rajeesh attended Indian Military Academy Attachment Camp, Dehradun	National Camp	JUO Rajeesh attended Indian Military Academy Attachment Camp, Dehradun from 21 to 30 June 2015. Total 5 cadets were selected to attend the Camp from Kerala Laksadweep Directorate.
159	31.05.2015	Anti Tobacco Day	-	The NCC unit of Nehru Arts and Science College, Kanhangad observed Anti Tobacco Day on 31 May 2015. Principal Dr A Muralidharan inaugurated the programme. Associate NCC officer Lieutenant Nandakumar K presided over the function. Sri. K.M.Rameshan handled Anti Tobacco Awareness class.
160	05.06.2015	Observed World Environment Day by planting saplings.	-	The NCC cadets of Nehru Arts and Science College, Kanhangad planted Saplings at the premises of the College. Cadets took environment day pledge. The programme was inaugurated by the Principal in Charge Dr K. Pradeepkumar by planting the saplings. Associate NCC officer Lieutenant Nandakumar Koroth presided over the function.

Sl. No	Date	Programme	State/National Level	Details
161	05.06.2015	Deputy Director General of NCC, Brigadier N Sanalkumar visited	-	After a gap of 20 years the Deputy Director General of NCC, Brigadier N Sanalkumar visited the Nehru Arts and Science College Kanhangad to inspect the preparations for the Mass Yoga. Deputy Director General of NCC, Brigadier N Sanalkumar. NCC Kozhikode Group Administrative Officer Col. Arun, 32 Kerala Battalion NCC, Payyanur Commanding Officer Lt. Col Rajeevan. A, Associate NCC Officer Lieutenant Nandakumar Koroth and Subedar Major Jagadeesan escorted Director General of NCC at Nehru Arts & Science College, Kanhangad.
162	21.06.2015	International Yoga Day at College	-	The International Yoga Day observed on 21 June 2016 by Mass Yoga Exhibition at Nehru Arts and Science College, Kanhangad. The programme was organized was hosted by the NCC unit of the College and organized by 32 Kerala Battalion NCC Payyanur. 432 Cadets from different Institutions of Kasaragod District participated in the programme.
163	01.07.2015	Doctors' Get together organised at Nehru College	-	The Alumni Association of Nehru Arts and Science College, Kanhangad in association with the NCC unit of the College observed Doctors' Day by arranging a get together of the doctors who studied at Nehru Arts & Science College, Kanhangad from 1968. Dr. O . Raghuthaman, Dr. K.C.Ramachandran, Dr . K.P . Ahamed, Dr. V.Suresh, Dr.K.Aboobacker, Dr.Sanjeev Lazer, Dr. A.Nithyananda Babu, Dr.C.V.Suresh, Dr.Saju. and V, Dr.P.Santhoshkumar, were honoured. Dr. G.Gopakumar, Vice Chancellor, Central University of Kerala inaugurated the programme.The College Manager Dr. K. Vijayaraghavan delivered keynote address. He honoured the doctors who studied in the first batch in 1968 at Nehru College. Alumni President Dr.V.Gangadharan presided over the function. Lt. Nandakumar Koroth welcomed the gathering and Dr. P.V.Pushpaja proposed vote of thanks.



Sl. No	Date	Programme	State/National Level	Details
164	12.07.2015	The Felicitation Function to the meritorious students	-	The Felicitation Function to the meritorious students organised by the NCC unit in association with the Alumni Association of Nehru Arts and Science College, Kanhangad became a rare get together with the presence of College's first rank holder in 1975, Dr. C.Gouri, Senior Scientist of VSSC, Thiruvananthapuram as the Chief Guest. Kannur University toppers from the College Aiswarya (BCom), Drisya M ( Statistics ), Reena A ( Plant Science ) and Haritha C.N ( Polymer Chemistry) were honoured.Dr.C.Gouri inaugurated the programme and presented mementos to the meritorious students. She delivered a lecture on India's Space initiatives. President Dr. V. Gangadharan presided over the function. Nandakumar Koroth welcomed the gathering and Dr. P.V.Pushpaja proposed vote of thanks. Raghavan Kulangara, K.Ramanathan, Dr. K.Rajan, Prof.V.Karunakaran, Prof. V.Purushothaman and C.H.Sulaiman felicitated on the function.
165	26.07.2015	Kargil Vijay Divas		The NCC unit of Nehru Arts and Science College observed Kargil Vijay Divas by lighting 527candles in memory of the brave soldiers who became martyors in 1999 for our nation. 100 photos of Kargil martyors and victorious moments of Kargil War exhibited at thr College auditorium. The programme was inaugurated by the Associate NCC Officer Lieutenant Nandakumar Koroth in an atmosphere of intense patriotism. Under Officer Deepak Thamban presided over the function.
166	03.08.2015	NCC Cadets are trained in Treatment Support to help the poor patients to fill forms for Government and other agencies financial help	-	The NCC unit and Alumni Association of Nehru Arts and Science College, Kanhangad in co-operation with the Hope Charitable Trust, Pilathara conducted "Treatment Support Programme" to train the NCC cadets to obtain and fill forms for financial assistance to the poor patients instituted by the Central and State Governments and Charitable agencies through various schemes. Students leant about Karuna Benevolent Fund, Arogyakiran, Cancer Suraksha Scheme, Sukrutham, Sruthi Tharangam, Chis Plus Health Card, Employees State Insurance Scheme, Chief Minister 's Relief Fund, Prime Minister's Relief Fund, Snehasanthanam etc.Principal Dr K Pradeepkumar inaugurated the programme. C.H.Sulaiman presided over the function. Associate NCC officer Lieutenant Nandakumar Koroth welcomed the gathering and Senior Under Officer Deepak Thamban proposed vote of thanks. Hope General Secretary K S Jayamohan handled the training class.

Sl. No	Date	Programme	State/National Level	Details
167	2015-11-01	Blood Donation Camp	-	The NCC unit of Nehru Arts and Science College, Kanhangad in collaboration with District Hospital, Kanhangad organised Blood Donation Camp at the College Seminar Hall. and Anoop V proposed vote of thanks. Co ordinator Vinodkumar V, Chief Technician Ajithkumar V K, Ajeesh Vishnu, Dhanya (technicians), Suresh and Zainudedheen oversaw the programme. 48 units of blood collected from the camp.The programme was inaugurated by Chief Medical Officer Dr N P Rajan. He stressed the importance of blood donation. Principal Dr K Pradeepkumar presided over the function. Associate NCC officer Lieutenant Nandakumar Koroth welcomed the gathering
168	2015-07-01	Campaign to create Anti Drug Awareness among College students	-	The Kerala State Youth Commission in collaboration with NCC and NSS units of Nehru Arts and Science College, Kanhangad organised anti - drug awareness programme to create awareness among the students the socio-economic and political effects of the use of drugs. Youth Defence Force member K Bhavana felicitated the function. Excise Preventive Officer N G Ragnathan inaugurated the programme and handled awareness class. Associate NCC officer Lieutenant Nandakumar Koroth presided over the function.
169	18.10.2015	Army Recruitment training	-	The NCC and Career Club of Nehru Arts and Science College, Kanhangad conducted free training for Armed forces recruitment physical test at Nehru College ground. Candidates from different parts of Kannur and Kasaragod districts were trained in running, jumping, pull up and balancing. Physical trainers Manoj Pallikkera and K V Prashanth. Associate N C C Officer Lieutenant Nandakumar Koroth presided over the function.
170	13/08/15	Independence Day Celebration	-	A contingent of 31 cadets of this institution commanded by SUO Deepak Thamban participated in the centrally organized parade held at Kasaragod to celebrate the Independence Day. The Cadets attended rehearsal parade at Kasaragod on 11,12 and 13 August 2015.
171	05.09.2015	Teachers Day Observance at Nehru Arts & Science College, Kanhangad	-	Organised in association with the Alumni Association. Former Deputy Director of Collegiate Education Prof. V. Gopinathan honoured the former Principals of the College.Prof K.P.Madhavan Nair, Dr. M.Kumaran, Dr. V . Gangadharan, and Dr. P.V.Vijayan (Former Principal, Government College, Kararagod). Dr. Khader Mangad, Vice Chancellor of Kannur University inaugurated the Teachers Day Observance at Nehru Arts and Science College, Kanhangad. Raghavan Kulangara presided over the function. Principal Dr K Pradeepkumar delivered Key note address.

Sl. No	Date	Programme	State/National Level	Details
172	08.09.2015	NCC Enrolment	-	The Senior Cadets conducted a campaign to create an awareness among the parents and students to join in the NCC and helped them in the admission process during the days of first year degree admission 2015-16. Lt. Col. Murali enrolled the cadets.
173	2015	Love Fitness Programme conducted at Nehru College	-	The NCC and NSS units of Nehru Arts and Science College, Kanhangad conducted "Love Fitness" programme at the College. 50 students were trained in aerobics and yoga. Sindhu Pillai also delivered a lecture on health tips. The international fitness trainer Sindhu Pillai of Ahmedabad. The programme was inaugurated by Principal Dr K Pradeepkumar. Associate NCC officer Lieutenant Nandakumar Koroth presided over the function.
174	03.08.2015	Planted Medicinal plants at Nehru Arts & Science College, Kanhangad	-	The Nehru Arts and Science College, Kanhangad unit in collaboration with Alumni Association planted Medicinal plants at the College campus on 3 August 2015. The programme was inaugurated by the Principal Dr. K Pradeepkumar. Associate NCC officer Lieutenant Nandakumar Koroth presided over the function.
175	01/08/15	Career opportunities in Armed Forces	-	Lieutenant Colonel T Murali, Administrative Officer of 32 Kerala Battalion NCC, Payyanur handled class on Career opportunities in Armed Forces. Lieutenant Colonel T Murali, Administrative Officer of 32 Kerala Battalion NCC, Payyanur
176	01/11/15	Election duty	-	NCC Cadets and ex Cadets of the unit served as Special Police Officer for the Local Self Government election held in the month of November 2015.
177	2016	NCC Day Observed by organising "Run to fight life style diseases"	-	The NCC day was celebrated by the 32 Kerala Battallion NCC by organising "Run to fight life style diseases" programme at Nileshwar. 100 cadets from Nehru Arts and Science College, Kanhangad and GHSS Chayoth participated in the programme. Chief Officer Sajan, Subedar Rajesh and Senior Under Officer Deepak Thamban over saw the programme. The run was flagged off by the Associate NCC Officer Lieutenant Nandakumar Koroth.
178	26.01.2016	Republic Day Celebration Won Republic Day Ceremonial Parade trophy	-	A contingent of 31 cadets of this institution commanded by JUO Rajeesh participated in the centrally organized parade held at Kasaragod to celebrate the Republic Day on 26 January 2016. The contingent of our institution was selected as the best contingent among the participants.. The cadets attended RD rehearsal parade at Kasaragod on 22,23 and 24 January 2016. Received the winner's trophy from the Honourable Minister of Kerala State Sri Anoopkumar. The unity and discipline among the cadets of our institution enabled us to bag Republic Day Parade trophies in successive seven years.

Sl. No	Date	Programme	State/National Level	Details
179	1 January 2016 to 30 January 2016.	Sgt Pranav K and Sgt Sudheesh P attended RD Camp at New Delhi	-	Two NCC Cadets of our College Sgt Pranav K and Sgt Sudheesh P raised the name and fame of our College by attending Republic Day Camp at New Delhi. After successfully attending 8 Camps they were selected to attend the prestigious RD Camp. Sgt Pranav K II Year BSc Mathematics attended Republic Day Camp, Presidents Rally at Rajput on 26 January 2016 and Prime Ministers Rally. He is the second one from our College attending the Republic Day Presidents Rally after Lt Col. Ashok Kini who attended the Presidents Rally in 1982. Sgt Sudheesh, II Year BA Economics attended Republic Day Camp, and Prime Ministers Rally.
180	2015-16	Medicine Box for collecting unused and usable medicines	-	For helping the poor patients useable medicines were collected from the students and staff by fixing a Medicine Box near the college office and distributed to the patients in collaboration with the Pain and Palliative Care centre, Nileshwar.
181	07.12.2015	Armed Forces Flag Day Observed	-	The NCC unit of Nehru Arts and Science College, Kanhangad observed Armed Forces Flag Day on 7 December 2015. The NCC Cadets collected Flag Day Fund from the students and teaching and non teaching staff for assisting the families of the brave soldiers who shed their blood for our nation. Cadets collected Flag Day fund from the students of our college and handed over to the NCC Battalion on 8 Dec 2015. Sachinraj K.V. welcomed the gathering and Anoop V proposed vote of thanks. Principal Dr K Pradeepkumar inaugurated the Flag Day observation. Associate NCC officer Lieutenant Nandakumar Koroth presided over the function.
182	05.06.2016	World Environment Day	-	The NCC cadets of Nehru Arts and Science College planted 100 saplings at the college premises and pledged to preserve the plants on the World Environment Day on 5 June 2015. The College Principal Dr K Pradeepkumar inaugurated the programme. Associate NCC Officer Lieutenant Nandakumar Koroth presided over the function.
183	02.10.2015	Gandhi Jayanthi and Saach Bharat Campaign	-	The NCC unit of Nehru Arts and Science College, Kanhangad celebrated Gandhi Jayanthi by cleaning the premises of the District Ayurvedic Hospital. The Swatchh Bharat Campaign was inaugurated by the Chief Medical Officer Madhusoothanan Namboothiripad. Associate NCC officer Lieutenant Nandakumar Koroth presided over the function.

Sl. No	Date	Programme	State/National Level	Details
184	22.11.2015	Old Age Home visited	-	The NCC Cadets of Nehru Arts and Science College, Kanhangad and GHSS Chayoth visited Saketham Vayojana Kendram at Pallikkera, Nileshwar. Varieties of cultural programmes were staged by the cadets. The programme was titled 'Snehasandarsanam' and as part of it cadets staged film songs, poems, instrumental music with violin and guitar, mono act, mimicry, magic show etc and touched the minds of the inmates of Sakatham. Sooraj. K.V, Unnimaya K.P., Vincy V.V., Anoop.V, and Drishya Damodharan got big applause from the audience. Associate NCC Officer Lieutenant Nandakumar Koroth, Chief Officer Sajan and Subedar Rajesh oversaw the programme. They handed over collections from Nehru Arts and Science College, Kanhangad, GHSS, Chayoth, Government College, Kasaragod, and GHSS Karaduka to the old age home authorities.
185	01.01.2016	New Year Day Celebration	-	The New Year Day was celebrated by distributing cakes to the cadets and arranging cultural programmes. Cadets staged different cultural programmes and actively participated in the celebration.
186	27.02.2016	Felicitated Talented Cadets	-	The NCC cadets of our institution bagged several prizes on behalf of our college in the Kannur University fine arts festival held at Government Brennan College, Thalassery from 27 February to 1 March 2016.
187	15.01.2016	Palliative Care Day	-	The NCC and NSS units of Nehru Arts and Science College, Kanhangad observed Palliative Care Day by distributing Wheel chairs, and food kits to the Palliative patients. Principal in charge Dr K Pradeepkumar inaugurated the programme and distributed food kits to the palliative patients. Associate NCC officer Lieutenant Nandakumar Koroth presided over the function.
188	22.11.2015	Swanthanam 2015: Family get together of palliative patients conducted	-	The NCC unit of Nehru Arts and Science College, Kanhangad hosted the family get together of the palliative patients at the College in association with the Lions Club of Nileshwar North and Noleshwaram Karuna Palliative Care Society. 80 palliative patients with their families, NCC cadets, and palliative volunteers attended the programme.. Cultural programmes were staged and distributed kits to the palliative patients. Associate NCC Officer Lieutenant Nandakumar Koroth presided over the function. Nileshwar Municipality Chairman Prof. K. P. Jayarajan inaugurated the programme

Sl. No	Date	Programme	State/National Level	Details
189	2016	Seminar on "Fitness, Exercises, and Diet" conducted	-	The NCC unit of Nehru Arts and Science College, Kanhangad conducted Seminar on the topic, "Fitness, Exercises and Diet" at the College Conference Hall. Krishnan Nambiar delivered a lecture on the importance of fitness, exercises and diet in the life of man. The Seminar was intended to train the students to learn new modes of exercises and 100 NCC cadets, other students and teachers participated in the Seminar and actively involved in open forum by raising serious questions. He also warned against life style diseases. The programme was inaugurated by International Fitness and Personal Trainer Krishnan Namibiar. Associate NCC officer Lieutenant Nandakumar Koroth presided over the function. Krishnan Nambiar is the former fitness coach of Indian Air Force. He was a native of Iringal near Thaliparamba.
190	06.01.2016	Face to Face Programme with Local Self Government members	-	The NCC unit in association with the Alumni Association conducted Face to Face programme with the newly elected members of the local self government who were studied in Nehru College earlier. The programme was inaugurated by the District Panchayath President M T P Basheer . Dr K Vijayaraghavan honoured the local self government members.
191	16.01.2016	Best Associate NCC Officer Award	-	Lieutenant Nandakumar Koroth, Associate NCC Officer of Nehru Arts and Science College, Kanhangad adjudged as the best Associate NCC Officer under Kannur University for the year 2014-15 on 16 January 2016 at University Campus, Mangattuparamba.
192	16.01.2016	Best NCC Cadet Award 2013-14	-	SUO Varun Neelamana of Nehru Arts and Science College selected as the Best NCC Cadet under Kannur University for the year 2013-14.

Kannur University Vice Chancellor Dr. M. K. Abdul Khader presented certificate and memento

Sl. No	Date	Programme	State/National Level	Details
193	16/02/16	Best NCC Unit Award 2014-15	-	NCC Unit of Nehru Arts and Science College, Kanhangad adjudged as the best NCC Unit under Kannur University for the year 2014-15. Vice Chancellor Dr. M. K. Abdul Khader presented certificate and memento on 16 January 2016. Principal in charge Dr K Pradeepkumar received the Award from the Vice Chancellor on 16 February 2016.
194	05.03.2016	Wisdom 2016	-	The Centre for Career Guidance and Information and NCC unit of Nehru Arts and Science College, Kanhangad in association with the Kasaragod Career Guidance and Development Cell organised 'Wisdom- 2016' programme at Nehru Arts and Science College, Kanhangad on 5 March 2016. 100 selected students participated in the programme. 25 Students of Nehru Arts and Science College got admission in 2016-17 as a result of the guidance. Classes were handled by research students of Kerala Central University and gave a clear picture to the students about the post graduate courses offered by the Central Universities of India. Shailaja P, Bijesh V and Vidhya P V handled classes. Principal Dr P V Pushpaja inaugurated the programme. Associate N C C Officer Lieutenant Nandakumar Koroth presided over the function.
195	08.02.2016	Reception to Republic Day Cadets	-	The Newry Arts and Science College, Jan hangar gave a heroic welcome to the Republic Day Parade attended NCC cadets of the College. Senior Under Officer Deepak Thamban welcomed the gathering and Unnimaya K P proposed vote thanks. The Cadets attended the Republic Day Camp at New Delhi from 30 December 2015 to 30 January 2016, Republic Day parade at Delhi and Prime Minister's Rally. Received the Cadets Pranav K and Sudeesh P at Padenekat from Thottam Junction and hundreds of students escorted them and showered flowers upon them. Principal Dr K Pradeepkumar inaugurated the felicitation function. Associate NCC Officer Lieutenant Nandakumar Koroth presided over the function. Nehru Memorial Education Society Secretary K Ramanathan presented mementos to the cadets. Dr. T. Dinesh felicitated on the function.
196	15.02.2016 08.03.2016	Recognition in PTA and Alumni Functions	-	The PTA and Alumni Association presented mementos to the NCC Award winners and RD Parade attended Cadets on 15 February 2016 and 8 March 2016. Sri Karunakaran M P presented mementos to the achievers in the PTA Award function and Dr K Vijayaraghavan presented mementos in the Alumni Association function.
197	2016-02-01	NCC Sign Board	-	The NCC Cadets voluntarily repaired the NCC sign board in front of the College in February 2015.

Sl. No	Date	Programme	State/National Level	Details
198	02.10.2015	NCC Bus Waiting Shelter	-	The Cadets repaired the NCC Bus Shelter on 2 October 2015 as part of Sachtha Bharat programme by removing the mud and painting the bus shelter.
199	01.11.2015 16.01.2016 06.02.2016	Weapon Training	-	On 1 November 2015, 16 January 2016 and 6 February 2016 weapon training was given to the Cadets of NAS College.
200	27/12/15	NCC Ex Cadets Forum NEXUS	-	The General Body meeting of the NCC ex forum Nexus was held on 27 December 2015 and elected Dr V Gangadharan ( President), Adv Varijakshan Kodoth (Vice President), Harshan P V(Secretary) Ajith, Varun. N (Joint Secretary) and Riju K.P (Treasurer) as the officer bearers for the year 2014-15. Adv Varijakshan Kodoth, the first batch enrolled Cadet of NAS College NCC unit in 1969 felicitated the function.
201	05/03/16	Annual Day Celebration	-	The Annual Day Celebration and Sent Off of NCC third year students was held on 5 March 2016 at the Conference Hall. Principal Dr P V Pushpaja inaugurated the programme. Lt Nandakumar Koroth presided over the function. Cadets staged varieties of cultural programmes.
202	19.03.2016	Swanthana Sparsam	-	The Unit arranged Swanthana Sparsam programme on 19 March 2016 at the Conference Hall. Famous Social worker Kanjana Kottangal was the chief guest of the programme. Cadets donated an amount to the Seva Mandir, Mukkom.
203	31.05.2016	Anti Tobacco Day	-	Observed by carving Tobacco Giant in sand with the help of artist Prabhan Nileshwar
204	01/10/16	Thal Sainik Camp at New Delhi	National Camp	Arya Gopika attended and one first prize in cultural items
205	03.09.2016	Camp Adjutant	-	ANO Lt Nandakumar Koroth appointed as Camp Adjutant, CATC at Kozikode, Sept 2016
206	01/07/16	Best NCC Cadet	-	UO Rajeesh awarded Kannur University Best Cadet award for the year 2015-16
207	01/10/16	National Games at New Delhi	National Camp	Cdt ShyamaPrasad E, Abhijth Narayanan, Cpl Sreeraj K V and Arun Krishnan attended
208	27.11.2016	NCC Day	-	Visited orphanages and old age homes and distributed food items and handed over fund
209	07.12.2016	Flag Day	-	Observed by collecting flag day fund
210	2016-12-01	National Integration Camp	National Camp	Cdt Shijin will attend National Integration Camp in the last week of December.
211	26.11.2016	Rehabilitation Centre Visit	-	Visited Rehabilitation centre and Old Age home and staged cultural events
212	27.11.2016	Snehayatra conducted	-	Conducted Snehayathra to the Rehabilitation centres
213	19.11.2016	National Integration Pledge	-	Took National Integration Pledge in front of Gandhi Smruthimandapam, Nileshwar.
214	26.11.2016	Constitution Day	-	Observed by reading Preamble of the Constitution
215	26.07.2016	Kargil Vijay Divas	-	Observed by lighting candles



<b>Sl. No</b>	<b>Date</b>	<b>Programme</b>	<b>State/National Level</b>	<b>Details</b>
216	01/11/16	National Integration Camp	National Camp	Thanmayi and Rishikesh attended

## Appendix L

### Activities of NSS

#### L.1 National Service Scheme 2012-13

Nehru Arts and Science College NSS units (No.4 & 5) are functioning under the supervision of two Programme Officers, Dr. T. M. Surendranath (Statistics Department) and Dr. Muralidharan Nambiar M. (Politics Department). The current strength of the NSS is 200; out of which 136 are girls and 64 boys. NSS units of our college have undertaken programmes like Clean Campus, Anti Drugs Day, Legal Awareness Class, distribution of preventive medicine to students of the college, World Aids Day celebration, UN Day celebration, blood donation awareness class, Making Green Campus programme, Village Adoption Programme, celebration of World Women's Day etc. In addition, we have carried out Agriculture Development Programme undertaken by Government of Kerala.

The five day annual camp was held at Government Higher Secondary School, Periya during the Christmas vacation. The camp was attended by 100 students from both units under the supervision of the two programme officers.

A procession has been conducted to create awareness among people about the importance of the preservation of water in the present period. Haritha G. (III B.Sc. Statistics) has been selected the best volunteer at the Kannur University level. NSS volunteers participated camps in the University and State level.

#### L.2 The Programmes Organised by NSS Units (4 & 5) of NASC during the year 2014-15

Sl. No.	Date	Place of work	Details of work	Hours From-To	Total hours
1	08/08/14	NASC	NSS meeting	12:30-01:30	1
2	12/08/14	NASC	NSS meeting & Youth day celebration	09:30-04:30	7
3	12/08/14	NASC	Essay competition	-	-
4	15/08/14	NASC	Independence day celebration	08:00-04:00	8
5	15/08/14	NASC	Campus Cleaning	-	-
6	15/08/14	NASC	Welcome party	-	-
7	20/08/14	NASC	NSS meeting	12:30-01:30	1
8	23/08/14	NASC	Meeting for celebrating NSS Award winners	12:30-04.30	4
9	29/08/14	NASC	NSS Meeting	03:30-04.30	1
10	05/09/14	NASC	Onam celebration, Onapookkalam	09.30-04.30	7
11	16/09/14	NASC	Ozone day celebration	09:30-01:30	4
12	19/09/14	NASC	NSS Meeting	03:30-04:30	1
13	20/09/14	NASC	NSS Meeting	12:30-01:30	1
14	23/09/14	NASC	NSS Meeting-future program of RRC described by Dr.M Muraleedharan Sir	01:30-03:30	2
15	24/09/14	NASC	NSS Day celebration-meeting inaugurated by principal	10:30-12:30	2
16	25/09/14	Pallikkara	Saketham visiting cultural programmes conducted by NSS volunteers	09:30-03:30	6
17	26/09/14	NASC	NSS meeting	12:30-03:30	3
18	27/09/14	NASC	NSS meeting	09:30-12:30	3

APPENDIX L. ACTIVITIES OF NSS

Sl. No.	Date	Place of work	Details of work	Hours From-To	Total hours
19	27/09/14	NASC	Poster making	-	-
20	27/09/14	NASC	Conduct Blood donation awareness program	-	-
21	29/09/14	NASC	NSS meeting	09:30-12:30	3
22	30/09/14	NASC	NSS meeting RRC co-ordinator conducted awareness program for blood donation	10:30-12:30	2
23	01/10/14	NASC	Blood donation day celebration programme was inaugurated by sub-collector Jeevan Sabu IAS	09:30-03:30	6
24	01/10/14	Nileshwar Bus stand	Blood donation day rally	09:30-03:30	6
25	01/10/14	Nileshwar Bus stand	Flash Mob	-	-
26	02/10/14	Padnekkad	Gandhi Jayanthi Day Celebration	09:30-03:30	6
27	02/10/14	Ayurveda Hospital Padnekkad	Cleaning Of Ayurveda Hospital	-	-
28	02/10/14	NASC	Campus Cleaning	-	-
29	10/10/14	NASC	NSS Meeting	12:30-01:30	1
30	23/10/14	NASC	NSS Meeting	12:30-03:30	3
31	23/10/14	NASC	Cancer awareness programme inaugurated by principal, class taken by Joseph sir	-	-
32	29/10/14	NASC	NSS Meeting	12:30-01:30	1
33	31/10/14	NASC	NSS meeting - seminar "Transform Ourselves" was conducted by Nehru yuva kendra	12:30-04:30	4
34	01/11/14	NASC	Run for unity - NSS with NCC	09:30-01:30	4
35	01/11/14	NASC	Youth empowerment seminar with Nehru yuva kendra	-	-
36	05/11/14	NASC	NSS meeting poet santhosh ozhinjalappil was chief guest	12:30-03:30	3
37	15/11/14	NASC	Shramadanam	12:00-04:00	4
38	01/12/14	NASC	Aids Day	09:30-01:30	4
39	01/12/14	Nileshwar	Aids Day Rally	-	-
40	01/12/14	NASC	Aids Day Exhibition	-	-
41	01/12/14	NASC	Awareness seminar	-	-
42	01/12/14	NASC	Cartoon drawing competition	-	-
43	10/12/14	NASC	Human Rights Days Celebration - Nss With Rrc Signature Campaign Special Lecture On Human Rights	09:30-01:30	4
44	31/12/14	NASC	Moksha Quiz- Inaugurated By Jeevan Babu Ias	12:30-04:30	4
45	01/01/15	NAS	New Year Day Celebration	10:30-03:30	5
46	12/01/15	NASC	Asap-Summer Skill Community Program, Youth March, Signature Campaigning, Youth Empowerment Seminar	09:30-11:30	2
47	15/01/15	NASC	Public Meeting Distribution Of Wheel Chair Honoring Palliative Care Worker Palliative Care Pledge	09:30-01:30	4
48	18/01/15	Padnekkad	Polio Immunization Program Helped Workers Of Ankanvady	09:30-03:30	6

Sl. No.	Date	Place of work	Details of work	Hours From-To	Total hours
49	26/01/15	Padnnkad	Republic Day Celebration Cleaned Ayurveda Hospital	09:30-03:30	6
50	21/02/15	NASC	Shramadanam	09:30-01:30	4
51	22/02/15	NASC	Nss Meeting	12:30-01:30	1
52	07/03/15	NASC	Nss Meeting	12:30-01:30	1
53	08/03/15	NASC	Vanitha Day Celebration	10:30-12:30	2
54	21/03/15	NASC	World Womens Day Celebration	12:30-03:30	3
55	22/03/15	NASC	Nss Meeting	12:30-01:30	1
56	23/03/15	NASC	World Water Day, Weather Day Celebration	09:30-11:30	2

Special Camp Conducted: M.K.H.S.S. Thimiri

### L.3 The Programmes Organised by NSS Units (4 & 5) of NASC during the year 2015-16

Sl. No.	Date	Place of work	Details of work	Hours From-To	Total hours
1	05/06/15	NASC	Environment Day - Planted 100 trees tn college ground, Pledge	12:00-04:00	4
2	19/06/15	NASC	World Reading Day	01:00-03:00	2
3	21/06/15	NASC	International Yoga Day - Participation Of 100 NSS Volunteers	09:30-03:30	6
4	28/06/15	NASC	Shramadanam	09:30-01:30	4
5	10/07/15	NASC	Drug awareness program by Ramakrishnan Challingal	09:30-01:30	4
6	11/07/15	NASC	World Population Day, Speech Competition Held	12:30-04:30	4
7	16/07/15	NASC	Anti drug campaigning by Rangunath Sir	12:30-04:30	4
8	18/07/15	Karivellur	Shramadanam	09:30-01:30	4
9	08/08/15	Theerthamkara	Shramadanam	09:30-01:30	4
10	15/08/15	NASC	Independence Day rally, Shramadanam PHC Neeleshwar Planted 25 Trees, Sent Off Function To Sreehari	09:30-03:30	6
11	17/08/15	Nileshwar	Onasadya	12:30-03:30	3
12	18/08/15	NASC	Trauma Care Workshop	01:30-03:30	2
13	21/08/15	NASC	Onakhosham - Onappookkalam	09:30-03:30	6
14	22/08/15	NASC	Selection camp for first year students	09:30-03:30	6
15	05/09/15	NASC	Aerobic training with NCC Anitha C., national aerobic trainer took the Class Orientation Program by Nirmal Kadakam	09:30-03:30	6
16	19/09/15	Kanhangad Municipality	Shramadanam	09:30-01:30	4
17	21/09/15	NASC	Peace Day Celebration	12:30-02:30	2
18	25/09/15	NASC	Traffic awareness program by Reji Kuriakkose	12:30-04:30	4
19	01/10/15	NASC	Gandhijayanthi - Photo Exhibition, Gandhi Smrithikal, Essay Writing Competition Held	09:30-03:30	6

Sl. No.	Date	Place of work	Details of work	Hours From-To	Total hours
20	02/10/15	NASC	Shramadanam - Made aushadha thottam, freedom fighter K. P. Kannan Visited NSS unit	09:30-03:30	6
21	04/10/15	Pilathara	Pilathara old age Home Visited (Hope) Santhuana Sparsham - 2015 Cultural Program & Shramadanam	09:30-03:30	6
22	24/10/15	NASC	Shramadanam	12:30-04:30	4
23	29/10/15	NASC	World Elders Day - Syriac Sir, first program officer took the class	12:30-04:30	4
24	02/11/15	NASC	Kerala Piravi Dinam	12:30-02:30	2
25	21/11/15	Neeleshwaram Bus Stand	Shramadanam	09:30-03:30	6
26	30/12/15	NASC	Camp Observation	12:30-02:30	2
27	01/01/16	NASC	New Year Day Celebration	09:30-01:30	4
28	02/01/16	College Ground	Shramadanam	09:30-01:30	4
29	10/01/16	Kanhangad	Kanhangad Municipality cleaned	09:30-01:30	4
30	26/01/16	Nileshwar	Clean The City Program Nileshwar Municipality	12:30-04:30	4
31	01/02/16	NASC	NSS Meeting	12:30-01:30	1
32	13/02/16	Old age home Kanjirappoyil	Shramadanam	09:30-01:30	4

Special Camp Conducted: G.H.S.S. Ravaneeswaram

#### L.4 The Programmes Organised by NSS Units (4 & 5) of NASC during the year 2016-17

Sl. No.	Date	Place of work	Details of work	Hours From-To	Total hours
1	06/06/16	NASC	As part of World Environment Day celebration planted 100 saplings in the College Ground. Pledge taken	10:30-01:30	3
2	13/06/16	NASC	NSS meeting	03:30-04:30	1
3	14/06/16	NASC	Celebrated world blood donors day. Around 50 students donated blood	09:30-03:30	6
4	18/06/16	PHC Nileshwar	Shramadhanam	09:30-12:30	3
5	21/06/16	NASC	International Yoga Day celebration. 100 Nss Volunteers participated	09:30-12:30	3
6	23/06/16	NASC	NSS meeting	12:30-01:30	1
7	25/06/16	NASC	Orientation programme	09:30-03:30	6
8	28/06/16	NASC	Anti Drug Day observation. Awareness talk given By Ramakrishnan Challingal, Civil police officer.	01:00-04:00	3
9	05/07/15	NASC	NSS meeting	03:30-04:30	1
10	11/07/16	NASC	World Population Day observation. Conducted various competitions like, elocution, essay writing, poster making etc.	09:30-03:30	6

Sl. No.	Date	Place of work	Details of work	Hours From-To	Total hours
11	15/07/16	NASC	Selection of volunteers for attending interviews at University in connection with National camps	09:30-03:30	6
12	16/07/16	NASC	Deputed 4 volunteer secretaries to attend camp at TASC thaliparamba	08:30-09:30	1
13	18/07/16	NASC	Welcome for freshers	09:30-02:30	3
14	28/07/16	NASC	NSS meeting	03:30-04:30	
15	30/07/16	NASC	Selection process of first year volunteers	09:30-04:30	6
16	03/08/16	NASC	Campaign for home for homeless	09:30-03:30	6
17	06/08/16	NASC	Signature campaign as part of Hiroshima day observation	09:30-03:30	3
18	08/08/16	NASC	Traffic awareness Programme	12:30-03:30	3
19	09/08/16	NASC	Awareness Programme on cyber crime	12:30-03:30	3
20	11/08/16	NASC	Awareness programme on anticorruption	12:30-03:30	3
21	15/08/15	NASC, Nileshtar	Organised Independence Day Rally Shramadanam at Ayurvedic hospital	09:30-03:30	6
22	20/08/16	NASC	Madhuram Kalalayamuttam, Planted saplings in the campus in association with Green earth kerala	12:30-03:30	6
23	22/08/16	NASC	Organised Olympics quiz in association with Physical Education department.	01:30-03:30	2
24	23/08/16	NASC	Campaign against drug jointly organized with Laharivirudha vedi	10:30-12:30	2
25	31/08/16	NASC	Kaithang, collection of poor aid fund	09:30-12:30	3
26	05/09/16	NASC	Observed teachers day. Orientation Program for freshers by Pushpakaran Bendichal	09:30-03:30	6
27	09/09/16	NASC	Onaghosam, Organised various competitions including onapookalam.	09:30-04:30	7
28	10/09/16	Padannakad	Palnted Mangroves near river side at padannakkad	09:30-03:30	6
29	20/09/16	NASC	NSS meeting	12:30-01:30	1
30	21/09/16	NASC	International peace day observation	09:30-12:30	3
31	23/09/16	NASC	“Mukhamukham”, Former NSS programme officers & Volunteer secretaries shared their feelings	12:30-01:30	3
32	24/09/16	Malappacherry	NSS Day celebration at New Malabar old age home at Malappacherry	09:30-03:30	6
33	28/09/16	NASC	NSS meeting	12:30-01:30	1
34	01/10/16	NASC	Gandhijayanthi Observation Shramadanam	09:30-03:30	6
35	15/10/16	NASC	Planted around 100 tapioca saplings near the ground	09:30-12:30	3
36	28/10/16	NASC	World Ayurvedic day observation. Exhibition conducted	09:30-03:30	6
37	29/10/16	Koliyadukkam	“Koythulsavam”	09:30-03:30	6
38	31/10/16	NASC	Send off function for Anoopkumar M. The programme was inaugurated by K.P.Muhammed, Co-ordinator , NSS, Kannur University.	09:30-01:30	2
39	01/11/16	NASC	Kerala Piravi Dinam, Planted saplings of coconut tree	12:30-02:30	2

Sl. No.	Date	Place of work	Details of work	Hours From-To	Total hours
40	08/11/16	NASC	Stem cell donation registration camp	09:30-03:30	6
41	18/11/16	NASC	Campus beautification work	12:30-03:30	3
42	01/12/16	NASC	AIDS day observation. Organised Puppet show in association with health department.	01:30-03:30	2
43	10/12/15	NASC	Human rights day observation	02:30-03:30	2
44	14/12/16	NASC	National Energy Conservation day observation. Sri K.T. Karunakaran was delivered a talk on Modern views in energy conservation.	09:30-12:30	3
45	06/01/17	NASC	NSS meeting	12:30-01:30	1
46	14/01/17	NASC	Shramadanam	09:30-01:30	4
47	18/01/17	NASC	Campaign against drug abuse	01:30-03:30	2
48	21/01/17	Padannakkad	“Krishi Arivukal”, a demonstration class by A. Kunhambu Nair. Organized a cancer awareness programme	09:30-04:30	6
49	26/01/17	NASC, Thottam	Republic day celebration. Organised a motivational training programme Planted fruit saplings nearby houses.	09:30-03:30	6

Special Camp Conducted: G.H.S.S. Periyé (23/12/16 to 29/12/16)

## **Appendix M**

### **Activities of PTA**

#### **M.1 PTA Activities Report 2012-13**

The PTA actively involved in the academic and other activities of the college by helping the students by providing financial aid, travelling expenses for attending Seminars and by providing financial support to Seminars organized by various departments of the College. PTA arranges two major functions to congratulate the achievements of the students. The PTA Scholarship Distribution and Felicitation function was organized in February 2013 at the College auditorium. Mementos were given to the award winners, rank holders, and winners in sports and cultural activities. Scholarships were awarded to the top scorers in different classes and financially backward students. Scholarships instituted by the Alumni association, Management, NASCA UAE Chapter, and individuals distributed at the function. Around 200 students received awards and scholarships of nearly Rupees 2lakh.

#### **M.2 PTA Activities Report 2013-14**

The PTA advanced an amount of Rs. 2.5 lakh for UGC purchase of study materials. PTA distributed an amount of Rs. 2 lakh for the conduct of sports and fine arts activities. A name board of the College was installed in front of the College building by the PTA. The PTA spent an amount of Rs 4,30,000 for campus beautification. Cement benches, circular boundary, interlock car parking area were included in the campus beautification activities undertaken by the PTA. And the information tree was re-erected in front of the college building. The PTA erected wheel chair ramp for physically disabled students in front of the Silver Jubilee Block and Library block. A grand function was arranged on 1 October 2013 to honour Sri M Kunhiraman Nambiar, College Manager and TKK Foundation Award winner. Honourable Kannur University Vice Chancellor inaugurated the programme. PhD award recipients of various departments, International award winner Smt Rukhiya and Award winner Dr Ambikasudhan Mangad were felicitated in the same function. The PTA sanctioned amount to repair College Sports Hostel, Ladies room and Girls room. The PTA installed 60 boards displaying the motivational quotes of famous personalities on the walls of the college. The College entrance way was tarred by spending an amount of Rs 3,80,000 and the PTA contribution was Rs 1,80,000. The PTA Scholarship Distribution and Felicitation function was inaugurated by Sri. P Karunakaran M P in February 2014 at the College auditorium. Mementos were given to the award winners, rank holders, and winners in sports and cultural activities. Scholarships were awarded to the top scorers in different classes and financially backward students. Scholarships instituted by the Alumni association, Management, NASCA UAE Chapter, and individuals distributed at the function. Around 200 students received awards and scholarships of nearly Rupees 2lakh.

#### **M.3 PTA Activities Report 2014-15**

The PTA sponsored the Photo Gallery of Social Reform Movements and Heritage of Malabar arranged by the History department by spending an amount of Rs25000. A function was arranged to felicitate veteran freedom fighter Sri Madhavan. The PTA arranged felicitation function to the UG rank holders and NET examination cleared students in the month of July 2015. Mementos were given to the meritorious students. PTA distributed an amount of Rs. 2.5lakh



for the conduct of sports and fine arts activities. As per the request of fine arts advisor an additional amount of Rs 25,000 was given. The PTA Scholarship Distribution and Felicitation function was conducted on 13 February 2015, at the College auditorium. Mementos were given to the award winners, rank holders, and winners in sports and cultural activities. Scholarships were awarded to the top scorers in different classes and financially backward students. Scholarships instituted by the Alumni association, Management, NASCA UAE Chapter, and individuals distributed at the function. Around 200 students received awards and scholarships of nearly Rupees 2lakh.

#### **M.4 PTA Activities Report 2015-16**

The PTA arranged felicitation function to the UG rank holders and NET examination cleared students in the month of July 2015. Mementos were given to the meritorious students. The PTA Scholarship Distribution and Felicitation function was inaugurated conducted on 12 February 2016 at the College auditorium. NCC University Award winner Lt Nandakumar K, Sri N Varun, Republic Day Parade attended cadets Sri Pranav K and Sri Sudheesh P were honoured at the function. Mementos were given to the award winners, rank holders, and winners in sports and cultural activities. Scholarships were awarded to the top scorers in different classes and financially backward students. Scholarships instituted by the Alumni association, Management, NASCA UAE Chapter, and individuals distributed at the function. Around 200 students received awards and scholarships of nearly Rupees 2lakh.

#### **M.5 PTA Activities Report 2016-17**

The PTA arranged felicitation function to the winners of the Kannur University Arts Festival. 130 Mementos were given to the meritorious students on 9 March 2017. The PTA Scholarship Distribution and Felicitation function was held on 16 March 2017 at the College auditorium. Mementos were given to the award winners, rank holders, and winners in NCC, sports and cultural activities. Scholarships were awarded to the top scorers in different classes and financially backward students. Scholarships instituted by the Alumni association, Management, NASCA UAE Chapter, and individuals distributed at the function. Around 200 students received awards and scholarships of nearly Rupees 2lakh. PTA Supported the Seminars conducted by various departments in the academic year 2016-17.

## **Appendix N**

### **Activities of the Science Club**

#### **National science day celebrations 2014**

As part of the celebration of the Centenary of Bohr's Atom model, the Academy of Physics Teachers (APT) in collaboration with the science club, Nehru Arts & Science College Kanhangad has organized a one day programme entitled "Exploring the beauty in Science" at the college conference hall on 7<sup>th</sup> November 2014. The Programme was sponsored by Kerala State Council for Science, Technology & Environment (KSCSTE). Dr. T. R. Anantha Krishnan, Rtd. Prof. of Physics and Science Communicator inaugurated the programme. After the inauguration, Department of Physics organized a Physics stage show, Department of Chemistry organized a Chemistry stage show. Department of Botany and Department of Zoology arranged a Mucium exhibition. Students were participated in powerpoint presentations on various topics such as "History of mars orbitor mission" and "Mangalyan".

#### **National science day celebrations 2016**

The theme for the National Science Day 2016 is "Make in India : S & T driven innovations". Based on the theme, the science club, Nehru Arts and Science College, Kanhangad has been organized activities such as popular lecture, theme based presentations, Sudoku competitions, debates/quiz/cartoon/poster writing competitions and other appropriate activities involving participation of students and teachers. The Programme was sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE) and supported by Department of Science and Technology, Govt. of India. The official inauguration of science day celebrations was held on 26<sup>th</sup> February by Dr. K. Sreekrishna Kumar, Regional Director, School of Technology & Applied Sciences Mahathma Gandhi University, Kottayam. Dr. M. S. Latha, HoD, Dept. of Chemistry, Sree Narayana College, Chengannur, Alappuzha was presented a talk on the focal theme "Make in India : S & T driven innovations" Dr. M. S. Latha, HoD, Dept. of Chemistry, Sree Narayana College, Chengannur, Alappuzha.

#### **2016-17**

As part of the Environment day celebrations, Science club, in association with Department of Zoology planted plantlets in campus on 6<sup>th</sup> June 2016. Dr. P. V. Pushpaja, Principal inaugurated the function by planting the plantlets in the proposed butterfly garden, in front of the Department of Zoology.

A curtain raiser programme on 29th Kerala Science Congress was organized by KSCSTE, jointly with Science club on 13<sup>th</sup> January 2017. Dr. P.V. Pushpaja inaugurated the function. Dr. P.Harinarayanan, Scientist, KSCSTE brief on KSCSTE and Kerala Science Congress. Invited lectures on the theme Energy conservation was done by Dr. Jayakumar, Deputy Director, LBS Centre, Thrissur and Dr. Unnikrishna Warriar, Senior Scientist, CWRDM, Calicut. The topics of presentation was Energy conservation and Isotopes in Water conservation respectively.

## **Appendix O**

### **Activities of the Tourism Club**

The club in the college is formed with the objective of creating awareness among students about Tourism activities and to incorporate the student's strength and potential in the development of tourism in Kasaragod district. The Tourism club aims at building responsiveness on tourism. The club intends to ensure a warm treatment to our tourists, develop national and international friendship, and inculcates an in-depth interest for maintaining the historically important monuments and to create a sense of professionalism in tourism industry. The club organizes seminars, discussion, live performances and training sessions to keep its members abreast of the numerous organizations and departments related to tourism. It is also in the task of identifying potential tourist spots and develops strategies to attract tourists to the sites. In college level the club provides guidelines regarding the site and preparatory work of departmental tour conducted by all the department. Prizes were offered to the student submitting the best tour diary. The club drafted a tour Route Map- "Vazhikatty" in the district which guides to various tourist sites in the district.

## Appendix P

### Activities of the Women’s Cell & Centre for Women Studies

#### P.1 Activities of Women’s Cell

A women’s cell is functioning in the college to keep vigil against harassment of women employees and students. It has organized “Poly-cystic Ovarian Syndrome” campaign to help the students to take preventive measures against PCO. A talk on ‘Women’s Security and Judiciary’ by Adv.T. K. Sudhakaran on 16<sup>th</sup> January 2015, made the students aware of the importance of Judiciary in protecting them.

#### P.2 Activities of Centre for Women’s Studies

Sl. No.	Academic Year	Name of the Programme	Date	Collaboration	Participants	Resource Persons
1	2013-14	Awareness Programme on Polycystic Ovary Syndrome (POS)	29/09/14	Women cell, NAS College Kanhangad	100	Dr. Raghavendra Prasad
2	2015-16	Personality Development and Goal Setting	09/02/16	Nil	100	Ms. Soumya S. Madhavan

## Appendix Q

### Publications by Faculty

#### Q.1 Department of Botany

- International Publications

- Dr. Manjula C.

- (1) Manjula C., Samsudeen K., Thamban C., Niral V., Augustine Jerard B., Rajesh, M K., Devadas D and Anitha Karun .2012.In-Situ approach for rapid characterization to aid conservation of coconut (*Cocos nucifera* L.)- A case study of two ecotypes from west coast of India. Journals of Plantation Crops.
- (2) Manjula C., Samsudeen,K., Shafeeq Rehman and Rajesh, M K.2012. Morphological and molecular characterization of Kuttiyadi ecotypes of coconut(*Cocos nucifera* L.). Indian journal of Genetic & Plant Breeding.
- (3) Manjula C., Samsudeen,K., Shafeeq Rehman and Rajesh, M K . 2013.Characterization of Annur and Bedakam Ecotypes of Coconut from Kerala State, India, Using Microsatellite Markers,” International Journal of Biodiversity, vol. 2014, Article ID 260895, 7 pa -2014. /260895.
- (4) Manjula C., Samsudeen,K., Shafeeq Rehman and Rajesh, M K.2013. Characterization of Kuttiyadi ecotypes of coconut in India Using Morphological and Microsatellite Markers, International Journal of Genetics Plant Breeding and Biotechnology. Volume 73. November 2013. Page. 405.
- (5) Manjula C., Samsudeen,K.and Sughatha P.2014.Fatty acid composition of oil from coconut (*Cocos nucifera* L.)ecotypes growing in two agro-climatic regions of Kerala.Book of abstracts on National Conference on sustainability of coconut, arecanut and cocoa farming- Technological advances and way forward 22-23 August 2014.CpCRI kasaragod. Page 45.
- (6) Manjula C., Samsudeen,K., Shafeeq Rehman and Rajesh, M K.2014. Characterization of Kuttiyadi ecotypes of coconut in India Using Morphological and Microsatellite Markers,JPC.2014.42(3):301-315.

- Dr. Subrahmanya Prasad K.

- (1) “*Rotala tulunadensis* sp. nov. (Lythraceae) from Kerala, India”, Nordic Journal of Botany, 30 (1): 58 60, 2012. ISSN 1756 1051. IF 0551.
- (2) “*Eriocaulon cheemenianum* (Eriocaulaceae), A new species from Kerala, India”, International Journal of Plant, Animal and Environmental Sciences, 2 (4): 176 179, 2012. ISSN 2231 4490.
- (3) “*Canscora bhatiana* (Gentianaceae), a new species from Kerala, India”, International Journal of Plant, Animal and Environmental Sciences, 2 (4): 197 201, 2012. ISSN 2231 4490.
- (4) “Endemic Plant Diversity in Selected Sacred Groves of Kasaragod District, Kerala”, International Journal of Plant, Animal and Environmental Sciences, 2 (4): 240 244, 2012. ISSN 2231 4490.
- (5) “Sacred Groves of North Malabar: Refugia of Endemic and Rare Medicinal Plants”, Plant Sciences Feed, 2 (10): 154 158, 2012. ISSN 2231 1971.

- (6) “Plants Used for Basketry in Kasaragod District, Kerala”, Journal of Research in Plant Sciences, 1 (2): 153-159, 2012. ISSN 2319-1643.
- (7) “Floristic Diversity in Niliarkottam Sacred Grove in Kannur District, Kerala, India”, Life Sciences Leaflets, 1: 64-73, 2013. ISSN 2277-4297.
- (8) “Comparative Analysis of Medicinal Plants from Fort Kochi and Mattanchery area of Kochi with the Plants from Hortus Malabaricus”, Journal of History and Society, 1: 72-84, 2013. ISSN 2320-6276.
- (9) “Endemic Plant Diversity in Selected Sacred Groves of North Malabar, Kerala”, Science Chronicle, 2 (1 & 2): 175-183, 2013. ISSN 2319-6955.
- (10) “*Calyptocarpus vialis* Less. (Asteraceae) A new record for Kerala, India”, Zoo’s Print, 27 (4): 23-24, 2013. ISSN 0971-6378.
- (11) “*Madhuca insignis* (Radlk.) H. J. Lam. (Sapotaceae) a new addition to the flora of Kerala”, Zoo’s Print, 27 (4): 25-26, 2013. ISSN 0971-6378.
- (12) “A New Species of *Rotala* L. (Lythraceae) from Kerala, India, Taiwan, 58 (2): 104-107, 2013. ISSN 0372-333X.
- (13) “*Rotala kasaragodensis* (Lythraceae), A New Species from Kerala, India”, Edinburgh Journal of Botany, 70 (3): 451-454, 2013. ISSN 0960-4286.
- (14) “*Centratherum punctatum* Cass. ssp. *punctatum* (Asteraceae) Naturalised in Kerala”, Journal of Non-Timber Forest Products, 20 (3): 231-232, 2013. ISSN: 0971-9415.
- (15) “*Lepidagathis prostrata* Dalz. (Acanthaceae) A New Addition to the State of Kerala”, Academia A Multidisciplinary Journal, 1 (1): 4-6, 2015. ISSN: 2395-7050.
- (16) “*Chlorophytum breviscapum* Dalz. (Liliaceae) A New Addition to the Flora of Kerala”, Indian Journal of Forestry, 38 (4): 357-358, 2015. ISSN 0971-9431.

- National Publications

- Dr. Manjula C.

- (1) Manjula C. 2012. Geographical adaptation in West Coast Tall cultivar of coconut (*Cocos nucifera* L.). PhD thesis submitted to Kannur University.
- (2) Manjula C., Samsudeen, K., Shafeeq Rehman and Rajesh, M K. 2012. Morphological and molecular characterization of Kuttiyadi ecotypes of coconut (*Cocos nucifera* L.). Paper presented on the 22 Swadeshi science congress held at CPCRI, Kasaragod. Abstract published in the proceeding: 105-106.
- (3) Manjula C. 2015. Germination performance of West Coast tall Coconut Seeds (*Cocos nucifera* L.) growing in two Agro-Climatic regions of Kerala. Academia. Vol. 1. Published by NAS College Kanhangad, Kerala. Pages. 1-3.

- Dr. Agretious Thomas K.

- (1) Agretious Thomas K. & K. P. Prasanth, A New Record of the Genus *Crepidotus* (Crepidotaceae, Fungi) from India, Kong. Res. J., 4(1): 73-74, 2017, ISSN 2349-2694.

- Dr. Subrahmanya Prasad K.

- (1) “Wetland plant diversity in Kasaragod District, Kerala”, GCK Science Letters, 2 (1): 44-57, 2013.

- Regional/State level Publications

- Dr. Manjula C.

- (1) Manjula C. 2015. Staff Editor College Magazine 2014-2015 Named: OLI Total 212 pages

- (2) Manjula. C. 2015. Soil Conservation- Need of the day. An article Published in the college Magazine Oli. Page .108-112.

- Dr. Subrahmanya Prasad K.

- (1) Subrahmanya Prasad K . 2015. Mannu. An article Published in the college Magazine Oli. Page .108-112.

- Publications in Conference Proceedings

- Dr. Subrahmanya Prasad K.

- (1) “Medicinal Plants The Vanishing Treasure”, in Proceedings of National Conference on “Biodiversity, Biotechnology and Climate Change”, Department of Life Sciences, Arts Commerce and Science College, Sonai, Maharashtra, 2012, pp: 1 3. ISBN: 978 93 81921 23 4.

- (2) “Endemic and RET Plant Diversity in Selected Sacred Groves of Kozhikode District, Kerala” in Proceedings of the National Seminar on “Western Ghats: Biogeography, Biodiversity and Conservation”, Department of Botany, N. S. S. College, Manjeri, 2013, pp: 166 170. ISBN: 978 81 926618 0 3.

- (3) “Plants Used for Wound Healing by the Kalari Practitioners of North Malabar, Kerala” in Proceedings of the National Seminar on “Western Ghats: Biogeography, Biodiversity and Conservation”, Department of Botany, N. S. S. College, Manjeri, 2013, pp: 209 213. ISBN: 978 81 926618 0 3.

- Chapters in Books

- Dr. Subrahmanya Prasad K.

- (1) “A Comparative Account of the Endemic Plants in Sacred Groves of Kasaragod, Kanur and Kozhikode Districts of Kerala”, in Bijukumar, A., Rajendran, P. G. and Peethambaran, C. K. (Eds.) “Perspectives on Biodiversity of India” Vol. 1, Centre for Innovation in Science and Social Action (CISSA), Thiruvananthapuram, 2014. pp: 82 88.

## **Q.2 Department of Chemistry**

- International Publications

- Dr. A. Muralidharan

- (1) Sajith, A. M.; Muralidharan, A. “Exploration of copper and amine free Sonogashira cross coupling reactions of 2-halo-3-alkyl imidazo[4,5-b] pyridines using tetrabutyl ammonium acetate as an activator under microwave enhanced conditions” Tetrahedron Letters, 2012, Vol 53, 5206-5210.

- (2) Sajith, A. M.; Muralidharan, A. "Microwave enhanced Suzuki coupling: a diversity oriented approach to the synthesis of highly functionalised 3-alkyl-2-aryl/heteroaryl-imidazo [4,5-b]pyridines" *Tetrahedron Letters*, 2012, Vol 53, 1036-1041.
- (3) Sajith, A. M.; Muralidharan, A.; Abdul Khader, K. K.; Syed Ali Padusha, M.; Nagaswarupa, H. P. "A Highly Efficient Catalyst for the Suzuki Cross-Coupling Reaction of 5-Substituted 3-chloropyridine" *Journal of Heterocyclic Chemistry* (2014, Accepted, Article in press)
- (4) Sajith, A. M.; Muralidharan, A.; Ranjith, P. K.; Haridas, K. "Cross coupling reactions of 2-halol -methyl-1H-imidazo[4,5-b]pyridine offers a new synthetic route to Mutagenic Heterocyclic amines-PHIP and DMIP" *Journal of the Korean Chemical Society*, 2013 Vol 57, No. 3.
- (5) Sajith, A. M.; Abdul Khader, K. K.; Nithin, J.; Nageswar Reddy, M.; Syed Ali Padusha, M.; Nagaswarupa, H. P.; Nibin Joy, M.; Yadav Bodke, D.; Ranjith, P. K.; Rinti, B.; Muralidharan, A.; Rajendra, P. "Design, synthesis and structure-activity relationship (SAR) studies of imidazo[4,5-b]pyridine derived purine isosteres and their potential as cytotoxic agents" *European Journal of Medicinal Chemistry*, 2015, Vol 89, 21-31.
- (6) Ranjith, P. K.; Haridas, K.; Sajith, A. M.; Muralidharan, A. "A facile access to substituted Indoles utilizing palladium catalyzed annulations under microwave enhanced conditions" *Tetrahedron Letters*, 2013, Vol 54, 5126-5129.
- (7) Abdul Khader, K. K.; Sajith, A. M.; Syed Ali Padusha, M.; Muralidharan, A.; Nagaswarupa, H. P. "Regioselective synthesis of C-2 substituted imidazo[4,5-b] pyridines utilising palladium catalysed C-N bond forming reactions with enolizable heterocycles" *Tetrahedron Letters*, 2014, Vol 55, 1778-1783.
- (8) Abdul Khader, K. K.; Sajith, A. M.; Syed Ali Padusha, M.; Muralidharan, A.; Nagaswarupa, H. P. "Cycloalkenyl nonaflates as electrophilic cross-coupling substrates for palladium catalysed C-N bond forming reactions with enolizable heterocycles under microwave enhanced conditions" *New Journal of Chemistry*, 2014, 38, 1294-1305.
- (9) Nibin Joy, M.; Yadav Bodke, D.; Abdul Khader, K. K.; Syed Ali Padusha, M.; Sajith A.M.; Muralidharan, A. "A rapid and modified approach for C-7 amination and amidation of 4-methyl-7-nonafluorobutylsulfonyloxy coumarins under microwave irradiation" *RSC Advances*, 2014, 4, 19766-19777.
- (10) Sajith, A. M.; Abdul Khader, K. K.; Nibin Joy, M.; Syed Ali Padusha, M.; Muralidharan, A.; Nagaswarupa, H. P. "Cross-Coupling of potassium organotrifluoroborate salts with 2-halo Deazapurines: regioselective synthesis of imidazo[4,5-b]pyridines" *Journal of Heterocyclic Chemistry* (2014, Article under review)

– Dr. A. Mohanan

- (1) Mohanan A, Vishalakshi B, Narayana Charyulu R, Harish N.M and Ganesh S "Sustained Release of Atorvastatin from Radiation Synthesized Stimuli Responsive Hydrogels" *Intn. J. Polym. Mat.& Polym. Biomat.* , 62:1, 5-9, 2013.

– P. Rajeesh

- (1) Ranjith P K, Rajeesh P, Haridas K R et al Design, synthesis of some new (2-aminothiazol-4-yl) methylester derivatives as possible antimicrobial and anti-



tubercular agents. *European Journal of Medicinal Chemistry*. 2012, 49,172.

- (2) Ranjith P K, Rajeesh P, Haridas K R et al Synthesis, characterization, and SAR studies of new (1H-indol-3-yl)alkyl-3-(1Hindol-3-yl) propanamide derivatives as possible antimicrobial and antitubercular agents. *Journal of Medicinal Chemistry Research*. 2013, 22, 4437.
- (3) Ranjith P K, Rajeesh P, Haridas K R et al Design and synthesis of positional isomers of 5(6)-bromo-1-[(phenyl)) sulphonyl]-2-[(4-nitrophenoxy) methyl]-H-benzimidazole as possible antimicrobial and antitubercular agents. *Bioorganic Medicinal Chemistry Letters*
- (4) Ranjith P K, Rajeesh P, Haridas K R et al Synthesis and characterization of new N-(4-(4-chloro-1H-imidazole-1-yl)-3-methoxyphenyl) amide/sulfonamide derivatives as possible Antimicrobial and antitubercular agents. *European Journal of Medicinal Chemistry*.

– Dr. K. Mangala

- (1) Kunniyur Mangala, Krishnapillai Sreekumar, “Synthesis and Application of Polycarbosilane Supported Manganese ions as Catalyst in Mannich Reaction”, *J. Appl. Polym. Sci.* 2013, 127, 717723.
- (2) Kunniyur Mangala, Krishnapillai Sreekumar, “Polycarbosilane Supported titanium(IV) catalyst for Knoevenagel Condensation Reaction”, *Appl. Organometal. Chem.* 2013, 27, 73 78.
- (3) Kunniyur Mangala, Krishnapillai Sreekumar, “Dendrimer Functionalized Polysilane: An Efficient and Recyclable Organocatalyst” *J. Appl. Polym. Sci.* 2015, 132, 41593
- (4) Kunniyur Mangala, P.S. Sinija, Krishnapillai Sreekumar, “Palladium(II) supported on polycarbosilane: Application as reusable catalyst for Heck reaction” *J. Mol. Catal. A: Chemical* 2015, 407, 8792.

● National Publications

– Dr. A. Mohanan

- (1) Mohanan A, Vishalakshi B and Ganesh S, “Synthesis and Characterisation of pH responsive PVP/PEO Hydrogels grafted with Methacrylic acid”, *Academia*, A multi-disciplinary journal, 7-10, 2015.
- (2) Mohanan A and Vishalakshi B, “Synthesis and Characterisation of pH Responsive Hydrogels of Poly (Acrylamide-co-Itaconic acid)”, *GCK Science Letters*, Vol. 4(1), pp. 1-14, January 2015.

– Dr. K. Mangala

- (1) Kunniyur Mangala, Krishnapillai Sreekumar, “Polycarbosilane Supported Titanium Catalyst For Mannich Reaction” *Academia - A Multidisciplinary Journal* 2015, 1, 4(ISSN : 2395-7050).

● Publications in Conference Proceedings

– P. V. Deepthi

- (1) Deepthi Padinhare Veetil, Salini Nadakkakath Gopalan, and Resmi Baby Gopalan “Analysis of Basic Physico-Chemical Parameters of Water Quality at Nileswaram Zone”, *National Conference On Emerging Methods in Nano Technology (Nano Chem. 2015)*, PRNSS College, 17-18th September 2015.

- N. G. Salini
  - (1) Salini Nadakkakath Gopalan, Deepthi Padinjare Veettil & Mangala Kunniyur “Chemical Analysis as an Important Tool for Evaluating Soil Health and Quality; A Zonal Survey”, National Seminar On Polymers and Composites, Nirmalagiri College, Kanhangad, 09-10th September 2015.
  - (2) Salini Nadakkakath Gopalan, Deepthi Padinjare Veettil, and Resmi Baby Gopalan “Trend Of Fertility Status Of Soil- Chemical Analysis At Hosdurg Taluk”, National Seminar On Polymers And Composites, Nirmalagiri College, 09-10th September 2015.
- Dr. A. Mohanan
  - (1) A Mohanan and B.Vishalakshi, “pH responsive Poly(Acrylamide-co-Itaconic acid) Hydrogels for Sustained Drug Delivery”, National Conference On Emerging Research Trends In Chemistry (NCERTC-2016), Payyannur College, 6-8 January 2016.
  - (2) A Mohanan & B.Vishalakshi, “Synthesis, Characterisation & Applications of Poly(Acrylamide co Maleic acid ) Hydrogels”, National Seminar On Polymers- Plural Thoughts Over The Boons & Bans, NAS college Kanhangad, 6-7 February 2014
- Dr. K. Mangala
  - (1) Kunniyur Mangala, Krishnapillai Sreekumar, “Synthesis of polycarbosilane supported Manganese ions: Application as Catalyst in Mannich Reaction” National Seminar on Polymers- Plural Thoughts Over the Boons and Bans - NAS College, Kanhangad 6-7 February 2014
  - (2) Kunniyur Mangala, Krishnapillai Sreekumar “Application of Dendrimer as an Efficient Organocatalyst for Knoevenagel Condensation Reaction” Krishna Menon Memorial Govt. College, Kannur. 09-11 September 2015.
  - (3) Kunniyur Mangala, Krishnapillai Sreekumar “Palladium(II) Supported Polycarbosilane: Application as Reusable Catalyst” National Conference On Emerging Research Trends in Chemistry (NCERTC-2016), Payyannur College, 6-8 January 2016.
- Books
  - Dr. A. Mohanan
    - (1) “Sodium alginate based ionically crosslinked hydrogels”, Lambert Academic Publishing, June 2015. ISBN No. 978-3-659-75131-8
- Chapters in Books
  - Dr. K. Mangala
    - (1) “Upshots of Pesticides and Heavy metals on Nature” in the book “MULTITUDE” published by UGC-HRDC, Kannur University, 112-123, 2016. ISBN No.

### Q.3 Department of Economics

- National Publications

– Dr. A. Ashokan

- (1) University Examination Reforms in Kerala: A Tentative Outline, University News, A Weekly Journal of Higher Education, August 8-14 2016, ISSN-0566-2257, Association of Indian Universities, New Delhi.
- (2) Governance in Education: Lessons from Kannur University Kerala: University News, A Weekly Journal of Higher Education, April 2016, ISSN-0566-2257, Association of Indian Universities, New Delhi.
- (3) Democracy, Education and Governance: A Note, Kerala Private College Teacher, No. 244, June 2014, ISSN: 2454-4795
- (4) Development or Destitution?: Field Evidence from a Vulnerable Tribal Group in Kerala, Education, Values and Governance: Some Reflections, University News, A Weekly Journal of Higher Education, Vol.52, No. 06, February 10-16, 2014, ISSN-0566-2257, Association of Indian Universities, New Delhi. Social Science in Perspective Vol.6 No.1, January- March, 2014, ISSN 0975-5497

– P. K. Rethesh

- (1) P K Rethesh(2016), In-migrant construction workers in Kasaragod district of Kerala: Livelihood issues and Adaptation Strategies , in Multitude published by UGC- HRDC, Kannur University, February 2016

– M. Anoopkumar

- (1) M. Anoopkumar (2012), Commodity Price Instability under Globalisation: A Study of Indias Plantation Crops, Discussion Paper 13, National Research Programme on Plantation Development (NRPPD), CDS, funded by the Ministry of Commerce, Government of India, 2012
- (2) M. Anoopkumar (2013), FDI and Development: Indian Experience in the Post Liberalisation Period, in Social Science in Perspective, Quarterly Journal of C. Achutha Menon Study Centre and Library, Trivandrum, Volume 5, No 3, July September, 2013
- (3) M. Anoopkumar (2014), Intra-year Price Instability of Commercial Crops in India: Exploring the Underlying Dynamism, in International Journal of Food and Agricultural Economics, Nigde University, Turkey, pp: 145 - 156
- (4) M. Anoopkumar (2015), Trade Liberalisation and Metropolitan Growth: Indian Experience in the Framework of Economic Geography, in Social Science in Perspective, Quarterly Journal of C. Achutha Menon Study Centre and Library, Trivandrum, Volume 7, No 3, July September, 2015

● Books Authored

– Dr. A. Ashokan

- (1) Ravaneeshwaram: History, Society and Development, Geethanjali, Kozhikode, 2013 (Malayalam)

● Conference Proceedings

– Bijesh V.

- (1) Foreign Direct Investment and Retail Trade: Prospects of growth in Indian Economy, Proceedings of the national conference on Indian economy in 21<sup>st</sup>

Century: Issues and Challenges, Smt. Janakibai Rama Salvi college, Thane, 14<sup>th</sup> September 2013, page no 71, ISBN 9789381578995

- Books Edited

- Dr. A. Ashokan

- (1) Editor, “Reflections”, The First Annual Conference Souvenir of Kerala Economic Association, May 2015
- (2) Kerala Economy in Retrospect and Prospect, (ed. 2016) (Kerala Economic Association, Thiruvananthapuram)

## Q.4 Department of English

- International Publications

- Shayini .O

- (1) “Quest Towards a Universal Legend: A Reading into Paulo Coelho's The Alchemist” in Indian Journal of Postcolonial Literatures(IJPCL) vol.14.1 (June 2014) 267-275. (ISSN 0974-7370)

- M. K. Rukhaya

- (1) M.K., Rukhaya and Dr. Zeenath Mohamed Kunhi. “An Ecocritical Perspective of Arundhati Roy's The God of Small Things.” SAGE publications (Accepted).
- (2) M.K., Rukhaya. “Destabilizing Foundations in Alan Sillitoe's Loneliness of the Long Distance Runner.” Glimpses An International Journal of Multi Disciplinary Research ISSN 2250-0561(2014). Print.
- (3) M.K., Rukhaya. “Destabilizing Hierarchies in Mahesh Dattani's Plays.” Dattani's Plays: Staging the Invisible. ISBN 978-93-82647-07-2. New Delhi: Authorspress, 2015. Print.
- (4) M.K., Rukhaya. “Dispossessing Reality: Manjula Padmanabhan's Harvest.” International Journal on Multicultural Literature (IJML) 5.2 ISSN 2231-6248(2015): Print.
- (5) M.K., Rukhaya. “Divorced Dichotomies: Graham Greene's 'Power and the Glory'”. LangLit An International Peer-Reviewed Open Access Journal 1.3 ISSN 2349-5189(2015): Web.
- (6) M.K., Rukhaya. “Emily Dickinson's Poems: Telling the Truth Slant”. LangLit An International Peer-Reviewed Open Access Journal 1.4 ISSN 2349-5189(2016): Web.(Accepted)
- (7) M.K., Rukhaya. “Feminism in Girish Karnad's Nagamandala.” Galaxy: International Multidisciplinary Research Journal ISSN 2278 (2012) : n.pag. Web. 20 August.
- (8) M.K., Rukhaya. “Edward Said's Orientalism: Building a Self-Reflexive History.” World Journal of Gender and Literature. ISSN 2349 1620. July 2015. Print.
- (9) M.K., Rukhaya. “Girish Karnad's Hayavadana: The Quest for Completeness or Perfection.” Littercrit: An Indian Response to Literature. ISSN 0970 8049. Print.

- (10) M.K.,Rukhaya.“GirishKarnad’s Tughlaq: Exiled from Himself.” *Critical Space: A Peer-reviewed (refereed) International Journal in English Language and Literature* 3.3.ISSN 2319-3689.June 2015. Print. (Accepted)
- (11) M.K.,Rukhaya. “Gopal Guru’s Egalitarianism and the Social Sciences: Theorizing Experiences or Experiencing Theory?” *Labyrinth* 6.2- An International Refereed Journal of Postmodern Studies ISSN 0976-0814 ( 2015): Print.
- (12) M.K.,Rukhaya.“Harold Pinter’s Homecoming: The Return to Roots.” *Criterion: An International Journal*. ISSN 0976-8165 (2013).Web.
- (13) M.K.,Rukhaya. “Identity Crisis in GirishKarnad’sBroken Images.” *Criterion: An International Journal* ISSN 0976-8165 (2010): n.pag. Web. 20 April 2010. <http://www.the-criterion.com/V1/n1/April2010.pdf>
- (14) M.K.,Rukhaya. “Identity Crisis in Kamala Das’s Poems.” *Galaxy: International Multidisciplinary Research Journal* ISSN 2278 9529(2012): n.pag.Web.20 August 2012. <http://www.galaxyimrj.com/V1/n2/Rukhaya.pdf>
- (15) M.K.,Rukhaya.“MaheshDattani’s Tara: The Other Side.” *Mahesh Dattani: His Stagecraft in Indian Theatre*Ed.Dr.Vishwanath Bite. New Delhi: Authorspress India. ISBN-978-81-7273-737-5, 2013. Print.
- (16) M.K.,Rukhaya.“ManjulaPadmanabhan’s ”Harvest: Bodily Encounter with the (M) other.” *WEC: An International Biannual Refereed Journal of Language and Literature* 5.2(2015)*Guild of Indian English Writers Editors and Critics*. Print.
- (17) M.K., Rukhaya. “Raymond Williams’s ”Marxism and Literature: Tracing the Historicity of Literature.” *The Context: A Peer Reviewed Journal of Language, Literature and Cultural Studies* 2.2. ISSN 2349-4849. Web.
- (18) M.K.,Rukhaya.“Replication of Diaspora in GauriShindes English Vinglish.” *Singularities: A Transdisciplinary Biannual Research Journal* .ISSN 2348-3369. Print.
- (19) M.K., Rukhaya. “Samuel Becketts Endgame: A Classic Example of the Theatre of the Absurd.” *Voices of the Indian English Writers: An International Refereed Journal on Indian English Literature*. ISSNNumber 2347-7717Vol 1, New Delhi :Authorspress. 2013.Print.
- (20) M.K.,Rukhaya.“Sisir Kumar Dass ”Comparative Literature in India:” *Transcending Boundaries.” European Academic Research: International Multidisciplinary Journal* 2.12.ISSN 2286-4822.
- (21) M.K., Rukhaya. “Sylvia Plath’s Daddy: The Mummified Daddy.”*Twentieth Century American Poetry*. Print.(accepted)
- (22) M.K.,Rukhaya. “Sylvia Plath’s Tulips and Lady Lazarus: Relative Intruding.” *European Academic Research* 2.12. ISSN 2286-4822 (2015).Web.
- (23) M.K., Rukhaya. “The Poems of Robert Frost: Connotations more than Denotations.” *The Discourse: A bilingual refereed research journal* 2.3. ISSN 2278-0920(2013): 22-35.Print.
- (24) M.K., Rukhaya. “The Poetry of Ted Hughes: Metaphors or Extended Analogies.” *Critical Space: A Peer-reviewed (refereed) International Journal in English Language and Literature* 4.1.ISSN 2319-3689.October 2015. Print. (Accepted).

- (25) M.K.,Rukhaya.“The Quest for Roots in the Poems of A.K. Ramanujan.” American Research Thoughts 1.5. ISSN:2392-876X(March 2015). Web.
- (26) M.K.,Rukhaya.“ShashiDeshpandes “Roots and Shadows”: No Roots, Only Shadows. Academia.(March 2014).Print.
- (27) M.K., Rukhaya. “The Sound of Silence in Vijay Tendulkar’s’ Silence! The Court is in Session.”Indian Writing in English: Critical Perspectives. Ed. Dr. Vishwanath Bite and ArvindNawale.Jaipur: Aavishkar Publications, 2011, ISBN: 8179103449. Print
- Indulekha K. R.
- (1) Second Language Paradigms, Issues and Challenges- A Critical Analysis, Newdelhi: ISBN 978- 93- 313-2525-9.48-54.
  - (2) Constructive Paradigm in Second Language Learning: The Kerala Experience, Envisionings, Issue II , ISSN 2277-1336.75-85.
  - (3) Tribal Wisdom,Mahabali and Malayalam Literature , Explorations April2014 Vol.4,Issue2.2,ISSN 2229-4783.PN 30-37.
- National Publications
- Namratha Manoharan
- (1) “Performativity: A Reading Of Tasleema Nasreen’s The French Lover” in Notions. ISSN 0 976:5247
- Biju N. C.
1. Published an article in Notions-A peer Reviewed Journal of English Literature vol.4 no.4 December 2013 ISSN No. 0976-5247 titled Bridging the Civilizations:The Persistence of Memory and Traditions in Westernizing Turkey in Orhan Pamuks The Museum of Innocence.
- Sithara P. M.
- (1) Published an article titled “Talking Back to the Male Empire: A Study of Post-colonial Indian Feminism with Special Reference to Taslima Nasrin’s French Lover and Nayantara Sahgal’s The Day in Shadow in a journal titled NEW PERSPECTIVES ON POSTCOLONIAL LITERATURES Edited by Denny Joseph. 2012 : 115-123.ISBN.978-93-5087-032-3
  - (2) Published an article titled “Unveiling the Mask of ‘Purity’: A Study of Nalini Jameela’s The Autobiography of a Sex Worker” in a journal titled NOTIONS.2014 Critical Inquiry.5.1(2014) 109-114. ISSN: 0976-5247 Published two poems titled The Masque and Empty Words published in a National Anthology of Poetry titled Inklings.2013.ISBN.978-81-8253-371-4
- M. K. Rukhaya
- (1) M.K.,Rukhaya. “Identity Crisis in GirishKarnad’s Flowers. ” Expressions. ISBN: 81-7276-365-3 (2012): 107-110.Print.
- K. R. Indulekha
- (1) The Relevance of Folklore in the age of Globalization, Journal of the SCHOOL OF Folkloristic Studies, Vol.2.Issue 2, April 2012.
  - (2) “Enmakaje: Prathirodhathinte Sookshmakhyanangal” , Issue;3, February 2013, ISSN2277-5714.

- Regional

- K. R. Indulekha

- (1) “Naveekaranathinte Kuzhaloothukar” Vakkinte Velicham-Ambika suthan Mangad(Ed),Oct,2014, Sahithyavedhi(pub).

- Seminar Proceedings

- K. R. Indulekha

- (1) “Representation of Climate change in Popular fiction Abstracts and Seminar Proceedings of National Conference on Economics of Climate Change: Understanding the Linkage between Economy and Ecology (department of Economics, Nehru college, Kanhangad. )
    - (2) A post colonial Readings in “The Home and The World” Conference proceedings of UGC-sponsored National Seminar on Tagore in Indian Languages and Literature, March 20.

- Books

- M. Vidya

- (1) Self instructional Materials for 1 M.A English Paper 1V-The Romantic and the Victorians , School of Distance Education Kannur University 2013

- Sithara P. M.

- (1) Prepared a Self Instruction material for 1. MA English, Paper II “History and Structure of English Language” published by the School of Distance Education, Kannur University.2013.

- Rukhaya M. K.

- (1) Prepared a Self Instruction material for 1. MA English, Paper II “Indian Writings in English” published by the School of Distance Education, Kannur University 2013.

- Indulekha K. R.

- (1) Prepared a Self Instruction material for 1. MA English, Paper II “American literature” published by the School of Distance Education, Kannur University2013.

- Books edited

- M. K. Rukhaya

- (1) Co-edited the National collection of poems Inlinks that includes the poems of A.P.J Abdul Kalam, Ruskin Bond, Gulzar, Ibrahim Ashk and IrshadKamil. Inlinks. Allahabad: Cyberwit. ISBN 978-81-8253-371-4, 2013. Print.

- Books authored

- M. K. Rukhaya

- 1. Book in press Indian Writings in English: A Literary Companion. ISBN 978-81-7273-761-0 to be published by AuthorspressIndia, New Delhi.

## Q.5 Department of Hindi

- National Publications
  - Dr. C. Jnaneswari
    - (1) Anuvaad, April-June 2016, vol. 167, Translator’s Association of India, New Delhi, ISSN : 0003-6218.
- Regional/State level Publications
  - Dr. C. Jnaneswari
    - (1) Sangrathan, June 2012, vol 12, Hindi Vidyapeeth, Trivandrum, Name of paper : Chandrakantha ke Upanyas : Nari Jagaran ke sandarbh mein (p. 41-44)
    - (2) Academia, volume 1, March-April 2015, ISSN 2395-7050, Name of paper : Rajani Panikkar ke upanyas aur Nari Jagaran (p 30)
    - (3) Keral Bharathi, August 2015, vol. 08, Dakshin Bharath Hindi pracharsabha, kerala, Name of paper : ‘Aaj Baza Bandh Hai’ : Dalit Nariyom ka Mukthi Sangharsh (p. 4-10)
- Chapter in Books
  - Dr. C. Jnaneswari
    - (1) Translated story Haathi path (P. 84)

## Q.6 Department of History

- Conference Proceedings
    - Nandakumar K.
      - (1) “Power, Culture and Hegemony in Theyyattam”, International Kerala History Conference, 11.11.16- 13.11.16
    - Sharafunnisa C. H.
      - (1) “Monuments as the Symbol of Power and Terror: The Case of Hitchcock Memorial in Colonial Malabar”, International Kerala History Conference, 11.11.16- 13.11.16
  - Chapters in Books
    - Dr. P. T. Sebastian - Chapter in the book “In honour of K. K. N. Kurup” published from Hyderabad
  - Books Edited
    - (1) Symposia On Dalits 2012, Editor: P. Prabhakaran
    - (2) Decentralizing Experience: Youth, Women, Marginalised and Local Development 2015, Editor: P. T. Sebastian
    - (3) Place Names in Kasaragod District 2016 (Forthcoming)
  - Other Publications
    - (1) “Yathra Mozhi” 2016 (An yearly publication of outgoing students)
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## Q.7 Department of Malayalam

- National Publications

- Dr. M. Ambikasutan

- \* Essyas in Periodicals

- (1) 2012 - Feb.3 - “Prabhasagarathil virinha Thamarappov”, Malayalam Vaarika, Eranakulam
- (2) 2012 - Feb.4 - “Nilaykkunnilla Sagaragarjanam”, Chandrika Weekly, Kozhikode
- (3) 2012 - May - “Thottam pattukalile sookshmakhyanangal”, Keli Monthly, Kerala Sangeetha Nataka Academy, Thrissur
- (4) 2012 - July 23 - “Athe sarkkar ivare apamanikkukayan”, Mathrubhumi weekly, Kozhikode
- (5) 2012 - Sep. 21 - “Kasargott Oonam Vannilla”, Malayalam vaarika, Eranakulam
- (6) 2013 - Jan. 6 - “Aarthupeyyunna mazhayil oru July”, Deepika Sunday supplement, Deepika, Kottayam
- (7) 2013 - Jan. 13 - “Sthreepaksha vimarshanathinte aadyapaadam”, Deshabhimani Weekly, Kozhikode
- (8) 2013 - Feb. 11 “Nilavilikal Odungunnilla”, Madhyamam weekly, Kozhikode
- (9) 2013 - March 27 - “Prathishatha Jana Samudram”, Madhyamam daily, Kozhikode
- (10) 2013 - May 9 - “Azhikodinte Sthreepaksham”, Chandrika weekly, Kozhikode
- (11) 2013 - Aug.30 - “Nyayadhipanmarum Vettakkarkkoppamo”, Malayalam weekly, Ernakulam
- (12) 2014 - Feb. - “Kudajadriyude Uyarangalil”, Yathra monthly, Mathrubhumi, Kozhikode
- (13) 2014 - May - “Prakrithavum Prakrithiyum”, Madhyamam weekly, Kozhikode
- (14) 2014 - Oct. 26 - “Kasargotte Nattubhasha Kettittundo?”, Madhyamam weekly, Kozhikode
- (15) 2014 - Sep.10 - “Thiruvonam: Varunnath Mahabali”, Mathrubhumi daily, Kozhikode
- (16) 2014 - Sep. - “Yakshikalum Njanum”, Malayalam Onappathipp, Ernakulam
- (17) 2014 - Nov.16 - “Kadhayude Janithakam”, Mathrubhumi weekly, Kozhikode
- (18) 2014 - Nov.22 - “Kettakaalathinu vendath kadhavilakkukal”, Chandrika weekly, Kozhikode
- (19) 2015 - Jan.20 - “Inganeyonnumayirunnilla mumb nalla velichamundayirunnu”, Madhyamam daily, Kozhikode
- (20) 2015 - May 24 - “Ningalavarude niranha kannukal choozhnedukkunno”, Mathrubhumi weekly, Kozhikode

- (21) 2015 - June 23 - “Otta vaikkol viplavam”, Mathrubhumi daily, Kannur
- (22) 2015 - Sept.20 - “Nadannath kutta krithyam thane. Ettuparachil pariharamalla”, Mathrubhumi weekly, Kozhikode
- (23) 2015 Oct.10 - “Samskarathil Sambannam vikasanathil pinnokkam”, Madhyamam daily, Kozhikode
- (24) 2015 Oct.26 - “Thalappath Naale Chilambaniyunnu”, Malayala Manorama, Kannur,
- (25) 2015 Nov.17 - “Shoolapp kavile meenukal”, Mathrubhumi daily, Kozhikode
- (26) 2015 Dec.14 - “Jeevanu vilayund”, Mathrubhumi daily, Kozhikode
- (27) 2015 Dec. - “Mungikkulicha Ormakal”, Asianet Onalene, Asianet, Thiruvananthapuram
- (28) 2016 Jan.15 - “Kuppathottiyalla Kasargod”, Malayala Manorama daily, Kottayam
- (29) 2016 Jan.16 - “Ith Nagnamaya Vanjana”, Madhyamam daily, Kozhikode
- (30) 2016 March 14 - “Mathetharathvavum janathipathyavumanu valuth”, Madhyamam weekly, Kozhikode
- (31) 2016 March 27 - “Dheepam Thiri”, Deshabhimani daily, Kannur
- (32) 2016 July 31 - “Pinarayi Vijayan aa madhura narangakal ormmikkumallo?”, Mathrubhumi weekly, Kozhikode
- (33) 2016 Aug 1 - “Adiyalante vimochana daiva Shasthrum”, Madhyamam weekly, Kozhikode
- (34) 2016 Aug.8 - “Ente ullil uyarunna chendakkoott”, Madhyamam weekly, Kozhikode
- \* Short stories in Periodicals
- (1) 2012 May - “Theetheyyam”, Madhyamam yearly, Kozhikode
- (2) 2012 Sep.29 - “Palatharam Alavukal”, Chandrika weekly, Kozhikode
- (3) 2013 Feb.10 - “Thuppunna”, Mathrubhumi weekly, Kozhikode
- (4) 2013 Sep.22 - “Neeraliyan”, Mathrubhumi weekly, Kozhikode
- (5) 2013 Sep. 29 - “Palatharam Alavukal”, Chandrika weekly, Kozhikode
- (6) 2014 Feb. - “Velliyazhchakalile murikk”, Bhashaposhini monthly, Kottayam
- (7) 2014 June 1 - “Camerayil urangunna theyyangal”, Mathrubhumi weekend, Kozhikode
- (8) 2014 Aug.11 - “Varikkachakkayude Manam”, Madhyamam weekly, Kozhikode
- (9) 2014 Sep.28 - “Rand Malsyangal”, Mathrubhumi weekly, Kozhikode
- (10) 2014 Nov. - “Thadav”, Chandrika weekly
- (11) 2014 Nov.22 - “Parakkunna sundarikal”, Chandrika weekly, Kozhikode
- (12) 2015 March 23 - “Lipin enna kutti”, Madhyamam weekly, Kozhikode
- (13) 2015 March 23 - “Chinthavishtayaya Leela”, Madhyamam weekly, Kozhikode
- (14) 2015 June - “Nattuchayile erutt”, Madhyamam weekly, Kozhikode
- (15) 2015 June - “cut & paste”, Madhyamam weekly, Kozhikode
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- (16) 2015 June - "Rand malsyangal", Adisthana padavali, Department of Education Kerala Govt
- (17) 2015 July 5 - "Pranavayu", Mathrubhumi weekend, Mathrubhumi, Kozhikode
- (18) 2015 July - "Rand vellakkaduvakal", Madhyamam weekly, Kozhikode
- (19) 2015 July - "Ponnushasinte kuttikal", Madhyamam weekly, Kozhikode
- (20) 2015 July 18 - "Naykkalkkum parayanund", Chandrika weekly, Kozhikode
- (21) 2016 Feb. - "Veendum rand malsyangal", Mathrubhumi weekend, Kozhikode
- (22) 2016 Aug.7 - "Pranajalam", Mathrubhumi weekend, Kozhikode
- (23) 2016 Aug. - "Rand malsyangal", Kannada translation, Prajavani supplement, Bangalore

- Regional Publications

- Dr. M. Ambikasutan

- \* Essyas in Periodicals

- (1) 2012 - Jun 3 - "Jaiva prakrithiyilek vazhi thuranna mazhayathrakal", Varthamanam Supplement, Varthamanam daily, Kozhikode
- (2) 2012 - April - "Malayala vimarshananthinte aarambam", Sargasudha Monthly, Thiruvananthapuram
- (3) 2012 - July - "Aarthirambi vanna mazhakal", Malayalam today daily, Kanhangad
- (4) 2013 - Jan. - "Naithika Jaagrathayude Kaavalal", Pavithrabhumi, Thiruvananthapuram
- (5) 2015 - Jan. - "Jeevithaprasnangal", Kadaangod Monthly, Kasaragod District School Sovaneer, Cheruvathur
- (6) 2013 - Jan. - "Ullulacha Enmakaje", Kalakaumudi patrika, Lakkam 1907
- (7) 2013 - Jan. - "Neethikedinte Thadavarakal", Sree Narayana Guru Engineering College
- (8) 2013 - April 8 - "Bhumiyude Kannil Theliyunnath", Utharadeshham daily, Kasaragod
- (9) 2013 - July - "Bhavanayalla, Oro vakkilum Chorayund", AKPCTA Journal, Thiruvananthapuram
- (10) 2013 - Nov.16 - "Paristhithi Vivechanamillayma Malayaliyude Mukhya Lakshanam", Latest daily, Kanhangad
- (11) 2014 - June - "Yathiyum Kaduvakalum", Samayam Monthly, Kannur
- (12) 2014 - July 18 - "Karkkidakathile Theyyangal", Malayala Sandesham, Kannur
- (13) 2015 March - "Anubhavamezhuthum Aakasmikathakalum, Kumbala", Kumbala Academy College Magazine, Kumbala
- (14) 2015 - Aug. - "Aarthirambi vanna Mazhakal", Govt. VHSC Kanhangad South
- (15) 2015 Sep.30 - "Ezhuth enna Samararoopam", Aksharamuttam, Deshabhmani daily

- (16) 2015 Oct. - “Maari nilkkuka ravinte mahishasura sainyame”, Vidyopasana monthly, Mathrubhumi, Kozhikode
- (17) 2015 Dec. - “Vishamazhayil Maranam Nananhavar”, College Magazin
- (18) 2016 Jan.15 - “Paristhithi vivekamillayma malayaliyude mukhyalakshanam”, Latest daily, Kanhangad
- (19) 2016 Jan.29 - “Bharanakkare, avaritha aduthethiyirikkunnu”, Azhimukham Online magazine
- (20) 2016 Feb. - “Iruttile Surya velichangal”, Kannadi vilak, Thrikkarippur Muchilott Perungaliyatta Sovaneer
- (21) 2016 May - “Kanhangatte rand pottanmarude katha”, kavvappady, Kanhangad South Kavval Maadam Vettakkorumakan kshetra smaranika
- (22) 2016 June - “Thalangara Enna Mathruka”, Akam monthly, Kannur
- (23) 2016 Aug.14 - “Jayakrishnan parajayangalude thozhan”, Suprabhatham paper supplement 100th edition, Suprabhatham, Kozhikode

\* Short stories in Periodicals

- (1) 2012 May - “Leelathilakathinte Koonthalvatham”, Golden Jubilee Souvenir, Bar Association, Kanhangad
- (2) 2012 July - “Kurishil kadhakruth”, Malayala mission monthly
- (3) 2013 Sep. - “Idasseriyyude Pootham”, Samayam Onappathipp, Kannur
- (4) 2014 Feb. - “Pottiyammatheyyam”, A decade of memories, Nehru College Alumni UAE
- (5) 2014 March - “Neeraliyan”, Muralika Mangad, Balagopalashathram smaranika
- (6) 2014 April - “Anunasikam”, Poonilav pozhiyumbol, Govt. L.P.School, Chullikkara, Vajra jubilee smaranika
- (7) 2014 Oct. - “Avishwasaneeyamaya oru katha”, Elakal marathe thirinh nokkumbol, Pullur High School Suvarna jubilee smaranika
- (8) 2015 March - “Seethayanam”, Kaariyidam, Pothujana vayanasa sovaaneer, kaariyidam
- (9) 2015 April 1 - “Cherippukalude kunn”, Akam monthly, Kannur
- (10) 2015 June - “Cherippukalude kunn”, Oli, Nehru College Magazine
- (11) 2015 Nov. - “Kalathinte kaliyattangal”, Ezhuth Magazine, Thrissur

● Books Authored

– Dr. M. Ambikasutan

- (1) Enmakaje, Novel, 6th edition, DC Books Kottayam, Sep 2012 ISBN 978-81-264-2448-1
- (2) Enmakaje, Novel, 7th edition, May 2014 ISBN 978-81-264-2448-1
- (3) Enmakaje, 8th edition, Nov.2014 ISBN 978-81-264-2448-1
- (4) Enmakaje, 9th edition, July 2015 ISBN 978-81-264-2448-1
- (5) Enmakaje, 10th special edition, December 2015 ISBN 978-81-264-2448-1
- (6) Enmakaje, 11th edition, December 2015 ISBN 978-81-264-2448-1
- (7) Enmakaje, 12th edition, Jun 2016 ISBN 978-81-264-2448-1

- (8) Enmakaje, 13th edition, July 2016 ISBN 978-81-264-2448-1
  - (9) Valillatha Kindi, Short story collection, IInd edition, NBS, Kottayam, Jun 2012 ISBN 81-7130-644-6
  - (10) Ghatikarantalude Sukshippukaran, Novelites, Mathrubhumi books, 1st edition, Dec.2013 ISBN ISBN 978-81-8265-863-9
  - (11) Neeraliyan, Short story collection, DC books, February 2014 ISBN 978-81-264-4340-6
  - (12) Othenante Vaal, Short story collection, 2nd edition, Progress Publication, Kozhikode, April 2014 ISBN 81-264-0143-5
  - (13) Marakkappile theyyangal, 7th edition, June 2014 ISBN 81-264-0614-3
  - (14) Thiranhedutha Kathakal, Short story collection, DC books, November 2014, ISBN 978-81-264-5219-4
  - (15) Randu Malsyangal , Short story collection, DC books, October 2015 ISBN 978-81-264-6477-7
  - (16) C P Achyutha Menon , Criticism, Kerala Bhasha Institute, November 2015 ISBN 81-7130-540-7
  - (17) Randu Malsyangal , Short story collection, 2nd edition, February 2016 ISBN 978-81-264-6477-7
- Dr. Dhanya Keeperi
- (1) First campus novel Jeevithathinte upama, co author, current books kottayam, ISBN 81-240-1355-1
- Books Edited
    - Dr. M. Ambikasutan
      - (1) “Hajar Pusthakam”, Sahithyavedi publication, February 2013
      - (2) “Kavitha, Kaalam, Desham”, Criticism, Sahithyavedi publication, September 2013
      - (3) “Vaakinte Velicham”, Criticism, UGC, Published by Sahithyavedi, October 2014
      - (4) “Muralika”, Mangad Melothungal Smaranika, 2014
      - (5) “Ponhaar”, Dictionary of local dialect, (first one in indian languages), 2nd edition, published by Sahithyavedi, February 2015
      - (6) “Vadakkillam’, Local history, published by Prayil tharavadu Maholsava Committee, May 2015
      - (7) “Endosulfan: Sathyavum Mithyayum”, Ecological criticism, published by Sahithyavedi, December 2015
      - (8) “Malayalathile Paristhithi kathakal”, Mathrubhumi books, June 2016 With ISBN978-81-8266-706-8
      - (9) “Theyyam kathakal”, Kairali books, sept. 2016, ISBN 93-86197-10-8 Sept. 2016
  - Chapters in Books
    - Dr. M. Ambikasutan
      - \* Essays

- (1) “Vadakkinte Onam”, “Thirumulkkazhcha”, February 2012
- (2) “Prabhasagarathil Virinha Thamarappoovu”, Azhikode Anubhavangal, DC books, January 2013
- (3) “Literature and Global Warming, Economics & Climate change”, published by Economics Dept., Nehru College, Kanhangad, September 2014
- (4) “Bhavanayalla, Oro vakkilum chorayund, etude”, Research Journal, Govt. College Chalakudy, January 2015
- (5) “Aakhyanavum Cherukathayum”, Short story: Ezhuthanubavavum vayanubavavum, Likhitham books, February 2015
- (6) “Aayishayude katha”, Ittippullu publication, February 2015
- (7) “Azhikodinte Sthreepaksham”, Azhikodinte Vicharalokangal, SPLS, Kottayam, March 2015
- (8) “Oormmakalude Ninabali”, Keralabhasha institute, April 2015
- (9) “Mandramoorthikalude Anugraham”, Vadakkillam, May 2015
- (10) “Ullil peytha mazhakal”, Aanmazhayormmakal, Oliv books, November 2015
- (11) “Mazhakkazhchakal”, Password, Published by Chattanchal Higher Secondary School, February 2016

\* Short Stories

- (1) Books contained Dr.Ambikasutans short stories
- (2) “Mosilagar Barira mein”, Samakalin Bharathiy Sahithy, Kendra Sahithya Academy, Jan.2012
- (3) “Musalgar birakha mein”, (Rajasthani Book), Anusirajan, July 2012
- (4) “Palatharam Alavukal”, Ravaneeshwaram, March 2013
- (5) “Kurishil Kathakrith”, “Mathrikanweshi”, March 2013
- (6) “Aarthupeyyunna mazhayil oru jumaila”, Telugu Monthly, January 2014
- (7) “Neeraliyan”, Mathrubhumi Kathakal, Mathrubhumi books, January 2014
- (8) “Neeraliyan”, Malayalam literary survey, Kerala Sahithya Academy, June 2014
- (9) “Rand Malsyangal”, Mathrubhumi kathakal, Mathrubhumi books, January 2015
- (10) “Jeevitha Prasnangal”, Kadinhool, Insight publication, May 2015
- (11) “Vithachath”, Vadakkillam, May 2015
- (12) “Neeraliyan”, Malayalathile Paristhithi Kathakal, Mathrubhumi books, Jun 2016

– Dr. Sheeja K. P.

- (1) Iruttinte puthakangal vaayikkumpol in Puthunovel vayanakal. Editor Dr. JisasaJose. Smayam Publication, Kannur ISBN 9788191070615
- (2) Kolathu nattile Buddha charithram, Academia, Nehru Arts and Science College, Kanhangad with ISBN.

– Shini V.

- (1) Tholkappiyavum malayala vyakaranavum, tholkapiam vyakarana granthangalile swadheenam Editor: Dr. A M Sreedharan ISBN 978-81-910706-0-6

- (2) Jahanara- charithra sathyangalilekk oru nerkkazhcha, thudi Kannur University 2014 april june. Lakkam 2 ISSN 2320-8880
  - (3) Paper lodge chitariya katalasukalute kotaram page 176 editor. K k sivadas. Malayala novel randayirathinu sesham
  - (4) Kanamulla kavithakal , adhinikanandara kavitha, editor: Dr. Thomas skaria assigned publication ISBN 91-84282-21-9
  - (5) Athyuthara keralathile bhashayum samskaravum mahakavi kutamathinte natakangalil THUDI, Kannur uni. Malayalam dept. 2014 volime 7 lakkam 3 4, ISSN2320-8880
  - (6) Byari bhasha thudi Kannur uni. Malayalam dept.
  - (7) Sthree dheeratha Sankalpam: siripuranaththilum vadakkan pattilum. Editor: Dr. A M Sreedharan samayam public. Kannur, 2014 august ISBN 978-81-910706-1-1
- Dhanya Palakkadavath
- (1) Parasyangallude Samskarika Padangal,Nava Madhyama Padanangal (Editor : Dr. Jisa Jose) Samayam Publishers

## Q.8 Department of Mathematics

- International Publications

– Dr. T. Dinesh

- (1) Dinesh T. & Ramakrishnan T.V., Labelling Matrices and Index Matrices of a Graph Structure, Algebra and Discrete Mathematics, 16(1), 2013, 42-60 (ISSN 1726-3255).
- (2) Dinesh T., Fuzzy Incidence Graph: an Introduction, Advances in Fuzzy Sets and Systems, 21(1),2016, 33-48 (ISSN 0973-421X).

- Books Edited

– Dr. P. V. Reeja

- (1) Chief Editor, Proceedings of the UGC sponsored National Seminar on “New Trends in Analysis” held at Nehru Arts and Science College, Kanhangad, on the 26th and 27th of September, 2016.

– Dr. T. Dinesh

- (1) Member, Editorial Board, Proceedings of the UGC sponsored National Seminar on “New Trends in Analysis” held at Nehru Arts and Science College, Kanhangad, on the 26th and 27th of September, 2016.

– K. M. Sajitha

1. Member, Editorial Board, Proceedings of the UGC sponsored National Seminar on “New Trends in Analysis” held at Nehru Arts and Science College, Kanhangad, on the 26th and 27th of September, 2016.

## Q.9 Department of Physics

- Publications in Peer Reviewed Journals (International)

1. K. M. Udayanandan, R. K. Sathish, Augustine. A - Gibbs paradox for distinguishable particle. *Lat. Am. J. Phys. Educ.* Vol. 8, No.4, Dec .2014.
2. R. K. Sathish and K. M. Udayanandan “A simple method to find the thermodynamics of harmonic oscillator,” *International Journal of Applied Physics* Vol. 2 No. 3, pp 137-140 (2012)
3. R. K. Sathish, K. M. Udayanandan “Gibbs Paradox in Grand Canonical Ensemble” *Lat. Am. J. Phys. Educ.* Vol. 6. No. 1 March 2012 pp 78-81
4. Prabitha. V V, Vibha A V, R. K. Sathish and K. M. Udayanandan, “Thermodynamics Planck Oscillator in microcanonical ensemble” *Lat. Am. J. Phys. Educ.* Vol. 6 No. 2 June 2012
5. K. Deepa, K.C. Preetha, K.V. Murali, A.C. Dhanya, A.J. Ragina, T.L. Remadevi, “The effect of various complexing agents on the morphology and optoelectronic properties of chemically deposited ZnS thin films:A comparative study”, *Optik* 125 (2014) 5727-5732
6. K. V. Murali, A. J. Ragina, K. C. Preetha, K. Deepa, T. L. Remadevi, “Wet chemical synthesis of quantum confined nanostructured tin oxide thin films by successive ionic layer adsorption and reaction technique”, *Materials Research Bulletin*, 48 (2013) 3009-3016.
7. K. V. Murali, A. J. Ragina, K. C. Preetha, K. Deepa, T. L. Remadevi, “Influence of ammonia, lithium hydroxide, and hexamine on ZnO films synthesized by successive ionic layer adsorption and reaction technique”, *Journal of Materials Science* 48 (2013) 1852-1861.
8. A.C Dhanya, K. C. Preetha, A. J. Ragina, K. V. Murali, K. Deepa, T. L. Remadevi, “Effect of deposition time on optical and luminescence properties of ZnS thin films prepared by photoassisted chemical deposition technique”, *Materials Science in Semiconductor Processing*, 16(2013) 955-962
9. A. J. Ragina, K. V. Murali, K. C. Preetha, T. L. Remadevi, “UV irradiated wet chemical deposition and characterization of nanostructured tin sulfide thin films”, *J Mater Sci: Mater Electron*, 23 (2012) 2264-2271
10. K. C. Preetha, K. V. Murali, A. J. Ragina, K. Deepa, T. L. Remadevi, “Effect of cationic precursor pH on optical and transport properties of SILAR deposited nano crystalline PbS thin films”, *Current Applied Physics* 12 (2012) 53-59
11. K. Naseema, K. B. Manjunatha, K. V. Sujith, G. Umesh, Balakrishna Kalluraya, Vijayalakshmi Rao “Third order optical nonlinearity and optical limiting studies of propane hydrazides”, *Optical Materials*, 34, 2012, pp 1751-1757
12. “ $\chi^{(3)}$  measurement and optical limiting studies of urea picrate”, K. Naseema, M.Shyma, K.B. Manjunatha, A. Muralidharan, G. Umesh, Vijayalakshmi Rao, *Optics & Laser Technology* 43 (2011) 1286-1291
13. “Third order optical nonlinearity and optical limiting studies of propane hydrazides” K.Naseema, K.B.Manjunatha, K.V.Sujith, G.Umesh, BalakrishnaKalluraya, VijayalakshmiRao, *Optical materials* 34 (2012) 1751-1757



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- Publications in Peer Reviewed Journals (National)

1. R. K. Sathish, K. M. Udayanandan A. Augustine “Exact statistical mechanics of particle in a box using canonical ensemble” Physics Education Vol. 28 No. 4 Article Number 3 October-December 2012
2. Pradeep Kumar. K, Synthesis of Superheavy Elements in the proceedings of the DAE Symposium on Nuclear Physics, Delhi, India Vol 57 (2012) P 314.
3. R. K. Sathish, P. V. Sidharthan, K. M. Udayanandan and Vinod Kumar T “Ideal extreme relativistic gas in three ensemble in statistical mechanics” IAPT Bulletin, February 2012 pp 35-38
4. K. M. Udayanandan, R. K. Sathish, Augustine. A. - Role of Partition function in Statistical mechanics. Physics Education, Volume 30, No.2, Apr-Jun 2014
5. K. M. Udayanandan, R. K. Sathish, Augustine. A- Transcending three dimension in physics, Physics Education, Volume 30, No .4, Oct-Dec- 2014

- Publications in Peer Reviewed Journals (State/Region)

1. K.V.Murali, T.L.Remadevi, Zinc oxide nanostructures with cauliflower morphology by SILAR technique, Academia, 1, (2015) 46-49
2. K. Naseema, V. Rao, K. B.Manjunatha and K. V. Sujith, (3) Measurement and optical limiting studies of Benzhydrazides., Academia, 1, (2015) 50-54
3. R. K. Sathish, P. V. Sidharthan, K. M. Udayanandan “Particle in a box - A treasure island for under graduates” BRENNEN journal of multidisciplinary studies” Vol. 7 2012 (ISSN 2231-5489) pp (99-115)

- Publications in Conference Proceedings (International)

1. K. M. Udayanandan, R. K. Sathish, A. Augustine- Excogitating some extra dimensional problems, Physics international conference on physics education ICPE in, Argentina, August 18-22, 2014 Publications in Conference Proceedings (National)
  2. R. K. Sathish, K.M. Udayanandan, A. Augustine et. Al-Statistical mechanics of a simple quantum system. 97 th Indian science congress, January 3-7, 2010 at Thiruvananthapuram. Proceedings of physical science ( pp-110)
  3. R. K. Sathish, K.M. Udayanandan -Gibbs paradox for harmonic oscillators, Proceedings of UGC sponsored National conference on emerging trends in theoretical & experimental physics, (pp-5) organized by Dept. of Physics, Farook College, on Sept.26-27, 2012
  4. R. K. Sathish, K. M. Udayanandan- Extensivity of entropy in Grand canonical ensemble for classical harmonic oscillators, Proceedings of National seminar on Recent trends in in photonics, organized by CUSAT & IAPT on November 2-4, 2012
  5. K. M. Udayanandan, R. K. Sathish et.al -Phantom harmonic oscillators [Proceedings of National seminar on physics and evolution of technology in 21 st century, organized by DAE, KSCSTE, Dept. of Physics, University of Calicut, Dept. of Physics, Zamorin’s Apocryphalness College, Calicut. Pp (24-27)
  6. K.V. Murali, T.L. Remadevi, “ Characterisation of polycrystalline tin oxide thin films prepared by SILAR”, National seminar on Advanced Materials and their applications, Aquinas College, Edakochi, Kerala, 10-11 September 2015
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7. K.V. Murali, T.L. Remadevi, "Zinc oxide films with nanoflake morphology synthesized by wet chemical method SILAR", National Seminar on Current Trends in Materials Science, Aquinas College, Edakochi, Kerala 13-14 August 2014, 182-189
  8. K.V. Murali, T.L. Remadevi, "Electrical, optical and porosity studies of wet chemical synthesized zinc oxide films", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 218-225
  9. Maya P.T., Sruthi.T., Sathyan T.V., K.V. Murali, T.L. Remadevi, "Nanostructured semiconducting zinc oxide thin films with nanoflower morphology synthesized by two-step chemical method", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 106-113
  10. Neethu. K, Athira. M, Naseema. K, K.V.Murali, T.L. Remadevi, "Characterization of zinc oxide films synthesized by SILAR and CBD using zinc nitrate-zinc acetate baths with triethanolamine", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 115-124
  11. Vidya Lohi, Sruthi.T, Sathyan T.V., K.V.Murali, T.L. Remadevi, "Fabrication of mesoporous nanosheets of zinc oxide using two-step chemical methods", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 125-132
- Publications in Conference Proceedings (State/Regional)
    1. R. K. Sathish, A. Augustine- Extra dimensions in physics, Regional conference on centenary of Bohr atom model, organized by IAPT & Regional science center, Calicut on November 6-7, 2013. Reported in IAPT Bulletin, Vol .6 No.1, January 2014, pp(13-15)
    2. R. K. Sathish, K. M. Udayanandan- A study of the nature of the entropy of classical and quantum oscillators in Grand canonical ensembles, Proceedings of the 25 th Kerala science congress, pp(459-461)

## Q.10 Department of Political Science

- International Publications
  - Dr. M. Muralidharan Nambiar
    - (1) Nambiar, M. M. (2015), Politicisation of Beedi Workers Kerala A Case Study of Kerala Dinesh Beedi Co-operative in North Malabar, The International Journal Humanities & Social Science, pp140-146, vol 3, issue 6, June 2015.
- National Publications
  - Dr. M. Muralidharan Nambiar
    - (1) Nambiar, M.M.(2015), Health Hazards among Beedi Rollers in North Malabar, IOSR Journal of Humanities and Social Science, vol 20 issue 6, June 2015.

- Publications in Conference Proceedings
  - Dr. M. Muralidharan Nambiar
    - (1) Humanrights Violations and Beedi Workers in North Malabar, Proceedings of Two day National Seminar on State, Democracy and Governance: Landscaping National and International Politics on 5th and 6th February 2015 organized by Kerala Political Science Association at Govt. College Kottayam; P.67
    - (2) The Crisis of Beedi Industry in the Globalised Era, Proceedings of Two day National Seminar on Democracy Development and Globalisation on 30,31 January 2015 at Govt. College Madappally; P.44
    - (3) Proceedings of the two day national seminar on Human Rights Issues of Un-organized Sector in North Malabar, conducted by the Department of Political Science, Nehru Arts and Science College Kanhangad on 23rd and 24th January 2015., P.17
- Books Published
  - Dr. M. Muralidharan Nambiar
    - (1) Proceedings of the two day national seminar on Human Rights Issues of Un-organized Sector in North Malabar, conducted by the Department of Political Science, Nehru Arts and Science College Kanhangad on 23rd and 24th January 2015.

## **Q.11 Department of Statistics**

- Peer Reviewed Journal Publications (International)
    - Dr. P. V. Pushpaja
      - (1) Pushpaja, P. V (2015). Test for Median Using Maple Programme, *Advances in Applied Mathematical Biosciences*, 4(1), 15-24.
      - (2) Pushpaja, P. V (2015). Parametric Test for Mean Using Maple Programme, *International Journal of Scientific Research*, 1(8), 23-25.
      - (3) Pushpaja, P. V (2015). Parametric Test for Skewness from Unknown Distributions, *International Journal of Business Management and Economic Research*, 2(2), 95-106.
      - (4) Pushpaja, P. V (2015). Fitting the Distribution of Sample Variance Using GLD, Accepted for publication in *International Journal of Agricultural Statistical sciences*.
      - (5) Pushpaja, P. V (2015). Test for Variance Using Maple Programme, Accepted for publication in *International Journal of Innovative Research*.
      - (6) Pushpaja, P. V (2015). Test for Symmetry using Maple Programme, Accepted for publication in *International journal Statistics & Analysis*.
      - (7) Pushpaja, P. V (2014). General Method of Conducting Parametric Tests, *International journal Statistics & Analysis*, 14(1), 25-36.
      - (8) Pushpaja, P. V (2014). Parametric Test for Quantiles Using Maple Programme, *International journal Statistics & Analysis*, 4(2), 191-201.
    - Dr. Radhakrishnan Nair K.
-

- (1) Radhakrishnan Nair K. and Manoharan M. (2015) Structured versus Unstructured Covariance patterns in Modelling Longitudinal data, *Journal of Probability and Statistical Science*, 13(1): 121-134.

- National Publications

- Dr. P. V. Pushpaja

- (1) Pushpaja, P. V. (2015). Test for Significance of Quantile Measure of Skewness Using Maple Programme, Accepted for publication in *GCK Science Letters*.

- Dr. Radhakrishnan Nair K.

- (1) Radhakrishnan Nair K. and Manoharan M. (2012) On Selection of Covariance Structure in Modelling of Longitudinal Data, *Applications of Reliability Theory and Survival Analysis*, Bonfring, Coimbatore, India. 130-144.

## Q.12 Department of Zoology

- International Publications

- Dr. V. P. Syama

- (1) Syama V. P. and Anilkumar G. 2013. “Ultra structural study of mandibular organ of the mangrove crab, *Sesarma quadratum*” Proceedings of the UGC sponsored Biological Conference 2013, organized by the Department of Zoology, University of Calicut on March 14th, 2013

- (2) Syama V.P. and Anilkumar G. 2014. “Oocyte synthetic machinery in the mangrove crab, *Sesarma quadratum* (Decapoda: Brachyura): an ultrastructural study”, in the proceedings of UGC Sponsored State level Seminar on “Technological Advances in Modern Biology” held on 13-14, March, 2014 at PG Department of Zoology and Research Centre, Sree Narayana College Kannur

- Dr. Supriya N. T.

- (1) Nagathinkal T. Supriya, Kappalli Sudha, V. Krishnakumar, G. Anilkumar and E.S.Chang. 2016. “Molt and reproduction enhancement together with hemolymph ecdysteroid elevation under eyestalk ablation in the female fiddler crab, *Uca triangularis* (Brachyura: Decapoda)” *Chinese Journal of Oceanology and Limnology* pp 113

- (2) Sudha Kappalli, N.T. Supriya, V. Krishnakumar, G. Anilkumar and E.S. Chang. 2012. Hemolymph Ecdysteroid Titters in a Brachyuran Crab (*Uca triangularis*) that Concomitantly Undergoes Molting and Reproduction. *Zoological Studies* 51(7): 966-976 (2012)

- (3) Supriya N. T., K. Sudha and G. Anilkumar. 2016. “Influence of Lunar rhythm on the programming of moult and reproduction in two brachyuran crabs inhabiting North Malabar region, Kerala”. In the proceedings of National Conference on Prospects and Perspectives in Aquaculture organized by Kongunadu Arts and Science College, Coimbatore on 16.02.2016

- (4) Supriya N. T., K. Sudha and G. Anilkumar. 2014. “Serum ecdysteroid titre in a highly fecund brachyuran crab *Uca triangularis* (Crustacea: Decapoda) under eyestalk ablation”. In the proceedings of Seminar on Technological Advances

in Modern Biology, Held at Sree Narayana College, Kannur, Kerala During March 13-14, 2014

- (5) Supriya N. T., K. Sudha and G. Anilkumar. 2013. "Influence of salinity on the programming of moult and reproduction in the Brachyuran crab, *Uca triangularis* in different seasons". In the proceedings of "Biological Conference 2013, held at The Department of Zoology, University of Calicut, Kerala, India during March 11-13, 2013
  - (6) Supriya N. T. Synchrony between the ovarian stages and embryogenesis in a Brachyuran crab *Uca triangularis* (Family: Ocipodidae). In the proceedings of Aqua'16, two day National Seminar on Aquaculture organized by Department of Zoology, NASC and co-sponsored by KSCSTE, 10-11 March 2016
- Saraniya Pradeep
- (1) Saraniya Pradeep, 2014. "The effect of climate change on insect pests in the proceedings of UGC sponsored national conference on Economics Of Climate Change: Understanding the Linkage Between Economics And Ecology" conducted by Department of Economics on 18.09.2014
  - (2) Saraniya Praeep, 2016. "Some common parasites of pearl oysters" Paper published in the proceedings of Aqua16, two day National Seminar on Aquaculture organized by Department of Zoology, NASC and co-sponsored by KSCSTE, 10-11 March 2016
- Anoja K. S.
- (1) Anoja K.S., 2014. "The effect of climate change on insect pests" in the proceedings of National Conference on Economics of Climate Change: Understanding the Linkage between Economics and Ecology organized by Department of Economics 2014
  - (2) Anoja K.S., 2015. "Trematode Parasites as The Indicators of Ecosystem Diversity" in the book Multitude published by UGC-HRDC, Kannur university. 2015
  - (3) Anoja K.S., 2015. "Parasites as indicators of aquatic pollution" in the proceedings of the two day national seminar on aquaculture organized by Department of Zoology, NASC and co-sponsored by KSCSTE, March 10-11, 2016

## Appendix R

### List of Guides and Research Scholars

Sl. No.	Name of Faculty	Department	Number of Research Scholars	Status
1	Dr. A. Muralidharan (Retd.)	Chemistry	7	1 Completed 6 Ongoing
2	Dr. A. Mohanan	Chemistry	Nil	-
3	Dr. A. Ashokan	Economics	Nil	-
4	Dr. P. T. Sebastian	History	1	Ongoing
5	Dr. K. Jayasree Nair	History	1	Ongoing
6	Dr. M. Ambikasutan	Malayalam	1	Ongoing
7.	Dr. K. M. Udayanandan	Physics	6	Ongoing
8	Dr. K. Naseema	Physics	5	Ongoing
9	Dr. M. Muralidharan Nambiar	Political Science	Nil	-
10	Dr. P. V. Pushpaja	Statistics	Nil	-
11	Dr. K. K. Geetha (deceased)	Statistics	Nil	-

## Appendix S

### List of Faculty as Resource Persons

#### S.1 Department of Botany

Faculty	Chaired	Served as resource person/ delivered invited lecture
Dr. Manjula C.	1	-
Dr. Subrahmanya Prasad K.	1	4

#### Dr. Manjula C.

1. Chaired a session in Two Day National Seminar on Climate changes- Challenges and Solutions Conducted by Department of Botany NAS College, Kanhangad on February 22-23. sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE).

#### Dr. Subrahmanya Prasad K.

- As resource person/delivered invited lecture
  1. National Seminar on “Cultural and Floristic Diversity of Western Ghats” at Department of Botany, Government College, Kasaragod, October 9 - 10, 2014.
  2. National Seminar on “Ethnobotany and Recent Trends in Plant Taxonomy” at Department of Botany, Maharaja’s College, Ernakulam, November 24 - 25, 2014.
  3. National Seminar on “Medicinal Plants in Primary Healthcare” at S. N. College Kannur, September 29 - 30, 2015.
  4. National Seminar on “Recent Trends in Biological Science and Research” at Government College, Kasaragod, December 14 - 15, 2015.
- Chaired
  1. Chaired Session I of National Seminar on “Socio-Economic Root Causes of Biodiversity Loss” at Department of Botany, S. N. College, Kannur, January 24 - 25, 2014.

## S.2 Department of Chemistry

Faculty	Chaired	Served as resource person/ delivered invited lecture
P. V. Deepthi	2	-
N. G. Salini	3	-
Dr. A. Mohanan	-	1
Dr. K. Mangala	3	-

### P. V. Deepthi

- Chaired
  1. National Seminar on “Polymers- Plural Thoughts Over The Boons and Bans” - Nehru Arts & Science College, Kanhangad 6 - 7 February 2014.
  2. Regional seminar entitled “Solid Waste Management - A Sustainable Perspective” on 10/10/14 at Department of Chemistry, Nehru Arts & Science College, Kanhangad, sponsored by KSCSTE.

### N. G. Salini

- Chaired
  1. National Seminar on “Polymers- Plural Thoughts Over The Boons and Bans” - Nehru Arts & Science College, Kanhangad 6 - 7 February 2014.
  2. National Seminar on “Techniques and Advances in Material Sciences”, Govt. Brennen College Thalassery on 24/11/14, Sponsored by D C E.
  3. Regional seminar entitled “SolidWaste Management - A Sustainable Perspective” on 10/10/14 at Department of Chemistry, Nehru Arts & Science College, Kanhangad, sponsored by KSCSTE.

### Dr. A. Mohanan

- As resource person/delivered invited lecture
  1. National Seminar on “Adverse effect of organic pollutants in environmental samples and significance in green chemistry and waste management”, held at St. Jude’s HSS, Vellarikundu on 03/12/15.

### Dr. K. Mangala

- Chaired
  1. National Seminar on “Polymers- Plural Thoughts Over The Boons and Bans” - Nehru Arts & Science College, Kanhangad 6 - 7 February 2014.
  2. National Seminar on “Techniques and Advances in Material Sciences”, Govt. Brennen College Thalassery on 24/11/14, Sponsored by D C E.
  3. Regional seminar entitled “SolidWaste Management - A Sustainable Perspective” on 10/10/14 at Department of Chemistry, Nehru Arts & Science College, Kanhangad, sponsored by KSCSTE.



### S.3 Department of Commerce

Faculty	Chaired	Served as resource person/ delivered invited lecture
V. V. Purushothaman	2	-
V. Vijayakumar	1	6

#### V. V. Purushothaman

- Chaired
  1. Chaired a session in a UGC Sponsored two day national seminar on “Competitiveness of Indian corporate in Indian scenario”, Organized by Department of Commerce, Payyannur college, Payyannur on 10 - 11 March 2015
  2. Chaired one day Seminar on “Ring fencing of Debt: Issues and challenges” held at GPM College Manjeswar sponsored by Higher education department of Kerala on 10/07/13

#### V. Vijayakumar

- Chaired
  1. Chaired a technical session “E-Banking: Indian Experience” in UGC Sponsored National seminar on “Emerging Trends in Banking Sector in the Globalised Scenario” Organised by Department of Commerce, EKNM Government College, Elerithattu on 26 - 27 August 2014.
- As resource person/delivered invited lecture
  1. Engaged training session on 06/08/14 at the “Training the Trainer Workshop” Organized by School of Distance Education, Kannur University at Kannur University Campus.
  2. Gave invited Talk for teacher student in the topic “Presentation Skills” at Dr. Ambedkar B.Ed. College Periya on 17/02/2014
  3. Presented topic in “Entrepreneurship a Clear Road to Self-SUFFICIENCY” in St. Pius College, Rajapuram on 23/03/14 sponsored by ED Club
  4. Presented topic in “Entrepreneurship a Clear Road to Self-SUFFICIENCY” Organized by Department of Commerce, EKNM Govt College, Elerithattu on 10/01/2014 funded by department of Industries, Kerala
  5. As an External Mentor of the programme “Walk With Scholar” on 21/02/14 at EKNM Govt. college Elerithattu and took 4 hour training class in the topic “Be prepared, prepared and prepared”
  6. Took career class in the career seminar organized by career club of by Department of Commerce, EKNM Govt College, Elerithattu topic titled “Career opportunities after B.Com. Degree”

### S.4 Department of Computer Science

Faculty	Chaired	Served as resource person/ delivered invited lecture
Mithun A. V.	-	6

### Mithun A. V.

- As resource person/delivered invited lecture
  1. Handled a session on “Quantitative Aptitude” for KMAT aspirants at Institute of Cooperative Management, Kannur on 20/07/15
  2. Lecture on “Latex A Document Preparation System” organized by the Department of Electrical and Electronics Engineering, College of Engineering Trikaripur on 29/04/15
  3. One day workshop on “Document Preparation Tools on Latex” under TEQIOP Phase II, conducted by the Department of Computer Science, College of Engineering Thalassery on 26/09/14
  4. Two days Workshop on “Latex” under TEQIOP Phase II, conducted by the Department of Information Technology, College of Engineering Thalassery on 15th and 16/02/14
  5. One day workshop on “Technical Document Preparation Using LaTeX”, organized by the Department of Computer Science & Department of Information Technology, under TEQIP Phase II at College of Engineering Vadakara on 04/01/14
  6. Expert talk on “Document Preparation Tools” as part of TEQIP Phase II at College of Engineering Thalassery on 27/07/13

### S.5 Department of Economics

Faculty	Chaired	Served as resource person/ delivered invited lecture
Dr. A. Ashokan	-	9
P. K. Rethesh	3	5
M. Anoopkumar	-	6

### Dr. A. Ashokan

- As resource person/delivered invited lecture
  1. “Towards an Inclusive Health Care Policy in India: A Tentative Outline” in the Three day International Conference on Public Policy and Governance in the Era of Globalization, Central University of Kerala, Nalanda Resorts , Nileshtar, Kerala Feb:12-14,2014
  2. Workshop on Social Science Research: Paper on “Restructuring Social Science Education and Research in India” University of Calicut, Chair for Islamic Studies and Research and Institute of Objective Studies, 08/11/13
  3. Presented a paper on “Democracy and Educational Governance: A Tentative Outline”, in the ICSSR sponsored National Conference on “Strengthening Participatory Democracy and Good Governance”, organized by Department of Political Science,

Gobi Arts & Science College, Gobichettipalayam, Erode, Tamilnadu-638453 on 20/09/14.

4. Prof. K. Indira and Prof. K.V. Chandrasekhar an Endowment Lecture titled “Nature and Significance of Economic Science” delivered on 16/10/14, being organized by the Post graduate Department of Economics, Government College Kasaragod, Vidyannagar, Kasaragod
5. Presented a paper on “Social Exclusion” in the two day UGC Sponsored National Seminar on “Poverty and Social Exclusion in India-Need for a Policy Framework towards Inclusive Development” at PRNSS College, Mattanur, Kannur on 09/09/15
6. Presented a paper on “Social Exclusion” and tribal deprivation in the two day UGC Sponsored National Seminar on “The Emerging Challenges in Kerala Economy and Society” at MD College, Pazhanji Kunnankulam, Thrissur on 10/10/15
7. Presented a paper titled “Endemic Hunger and Marginalized Communities in Kerala : A Case Koragas” on the theme “Socio-economic Challenges of the Tribal Economy in Kerala” in the two day UGC Sponsored National Workshop being organized by the PG department of Economics and Research Centre, NSS College for Women on 28/10/15 and Chaired a session
8. Delivered the 10<sup>th</sup> Nehru Memorial Lecture on 14/11/15 at NAS College being organized by Nehru Study Centre and the PG Department of English, Nehru Arts & Science College, Kanhangad
9. Presented a paper titled “Health Care Policy in India: A Tentative Outline, on the broad theme Access to Health Care in Modern Era: Changing Dimensions”, March 13-15, 2016, organized by School of Indian Legal Thought, Mahatma Gandhi University, Kottayam.

## **P. K. Rethesh**

- Chaired

1. Chaired a Session in Two Day National Seminar on “The Marketing of Financial Services” organized by Government College Attingal from 25/11/15 to 26/11/15
2. Chaired a Session in Three Day National Workshop on “Research methodology in Social Science” sponsored by directorate of Collegiate Education, Government of Kerala, organized by Government College Ambalapuzha
3. Chaired a Session in Two Day national Seminar on “Migration in Kerala” sponsored by directorate of Collegiate Education, Government of Kerala, organized by Government College Elerithattu

- As resource person/delivered invited lecture

1. Presented a paper in Two Day national Seminar on “Inclusive Growth and Indian Economy”, organized by Bishopmore College mavelikara from 19/09/12 to 20/09/12
2. Presented a paper in Two Day national Seminar on “Sustainable development of Kerala”, sponsored by U G C, organized by EKNM Government College Elerithattu from 29/09/14 to 30/09/14

3. Presented a Paper in One day national Seminar on “Electoral Reforms in India”, sponsored by Institute of parliamentary Affairs, Government of Kerala , organized by EKNM Government College Elerithattu in 20/01/14
4. Presented a paper in UGC Sponsored National Seminar on “Economics of Climate Change”, organized by Nehru Arts and Science College Kanhangad from 18/09/14 to 24/09/14
5. Presented a paper National Seminar on “Kasaragod Constituency: Developmental Paradigms”, organized by the honorable Member of Parliament on 20/09/14

## M. Anoopkumar

- As resource person/delivered invited lecture
  1. “Commodity Price Instability under Globalisation: A Study of India’s Plantation Crops”, in the National Seminar on “Building Competitiveness in a Globalised World: Experience of India’s Plantation Sector”, held at CDS, Trivandrum from January 23 to 24, 2012
  2. “Professional Education Scenario of Kasaragod District: Problems and Prospects”, in a National Seminar on “Kasaragod Constituency: Developmental Paradigms”, organised by the honourable Member of Parliament on 20/09/12
  3. “FDI and Development: Indian Experience in the Globalisation Era”, in a National Seminar on “FDI and Indias Development Needs”, organised under the joint auspicious of Indian Institute of Parliamentary Affairs and Post Graduate and Research Department of Economics, NSS College for Women, Trivandrum on 26/11/13
  4. “Sampling and Sampling Techniques: Some Fundamental Insights”, in a National Seminar on “Elementary Statistics for Economic Research”, organised by the Post Graduate Department of Department of Economics, EKNM Govt College, Elerithattu from 8 to 9 October, 2015
  5. “Climate Change and the Developing World: An Assessment of Vulnerability and Impact”, in a National Seminar on “Economics of Climate Change: Understanding the Linkage between Economy and Ecology” organised by the Department of Economics, Nehru Arts and Science College, Kanhangad from 18 to 24, September, 2014
  6. “Micro Finance and Women Empowerment: Inferences from Rural Kasaragod”, in a National Conference on “The Marketing of Financial Services: Opportunities and Challenges in the Modern Eon”, organised by the Research and Post Graduate Department of Commerce, Govt. College, Attingal from 25 to 26 November, 2015

## S.6 Department of History

Faculty	Chaired	Served as resource person/ delivered invited lecture
Dr. K. Jayashree Nair	2	2
C. P. Rajeevan	-	1

## Dr. K. Jayashree Nair

- Chaired
  1. Chaired a Session in Two Day National Seminar on “Economics of Climate Change: Understanding the Linkage between Economy, Ecology” organised by the Department of Economics, Nehru Arts and Science College, Kanhangad from 18 to 24, September, 2014
  2. Chaired a Session in Seminar on “Kerala Archaeology”, organized by Providence College, Kozhikode in November 2014
- As resource person/delivered invited lecture
  1. National Seminar on “Decentralisation” at Co-operative Arts and Science College, Madai in 2014
  2. Delivered an invited lecture at Govt. Brennan College, Thalassery on 08/11/16

## Rajeevan C. P.

- As resource person/delivered invited lecture
  1. Delivered an invited lecture at Govt. Brennan College, Thalassery in January 2016

## S.7 Department of Malayalam

Faculty	Chaired	Served as resource person/ delivered invited lecture
Dr. M. Ambikasutan	7	28
Dr. Sheeja K. P.	1	-

## Dr. M. Ambikasutan

- Chaired
  1. “National Seminar: Return of Narrative”, Thunjan Festival, Thiroor, 2012 Feb. 1-4
  2. “Nadan Kalayude Koottayma”, South Zone Cultural Centre & Kerala Folklore Academy, Manikkoth, 2012 March 17-18
  3. “Sociological Issues & Gender”, National workshop on Comprehensive Rehabilitation of Endosulfan Victims and Rejuvenation of Ecosystem in Kasaragod District, Kasaragod, 2012 July 21-22
  4. “Noval Patanaswadanam”, Two day National seminar on Cultural and Textual Readings of Contemporary Malayalam Novel, Dept. of Malayalam, Govt. Brennan College, 2012 Nov. 15-16
  5. “Poliyanthram”, Three day National Seminar on Folklore, Conductive by Dept. of Malayalam, Kerala University of Trissur, 2012 Dec. 5-7
  6. “Prathirodham-Theyyam Kalayil”, Two day National Workshop, Conducted by Kerala Folklore Academy at Kannur, 2013 March 14-15

7. “Malayalavum Ayalpakkavum”, Thribhasha Sangamam, Conducted by Bharat Bhavan Thiruvananthapuram at Kasaragod, 2013 March 15
- As resource person/delivered invited lecture
  1. Inaugural Speech of Onam Programm conducted by Nanma Organization at Oman, 19/04/13.
  2. Talk on “Neeralian” in International Book Fair, Conducted by D.C. Books, Calicut, 30/11/13
  3. “Aamughabhashanam”, Sahithyavedi Silver jubilee, Nehru College Kanhangad, 23/03/12
  4. “Kathakkootam”, Short Story workshop, Kasaragod Sahithyavedi, Kasargod, 2012 March 24-25
  5. “Nhan, Ente Katha”, Thakazhi Janmasadabdi, Kasaragod, 2012 March 23-26
  6. “Prabhashanam”, Malabar Mango fest, Padannakkad Agriculture College, Kerala Agriculture University, 2012 May 18-24
  7. “Katha: Deshavum Kalavum”, Sahithya Shilpashala, P.Smarakam, Kanhangad, 2012 May 25-27
  8. “Deshathinte Ezhuth”, Kovilan Anusmaranam, Kovilan Trust, Trissur, 2012 June 1-3
  9. Dr. Sukumar Azhikode Smaraka Prahashanam, Mahakavi P. Anusmaranam, Vellikoth vocational Higher Secondary School, 12/06/12
  10. “Ezhuth, Jeevitham, Edapedalukal”, Vayanavaram 2012, Javahar Vayanasala, Vel-lur, 23/06/12
  11. “Ezhuthukaranum Marunna Bhavukathwavam”, Seminar, Kerala Sahitya Academy, Trissur, 2012 Sep. 7-8
  12. “Koodam Kulam Anava Nilaya Virudha Samaram Aikyadardyam”-Inaugural Speech, Thaikkadappuram, Nileshwar, 14/09/12
  13. “Puthiya Kalam, Puthiya Novel”, Ernakulam, 2012 Nov. 1-7
  14. “Keralappiravi celebration”, Hindi Dept., Kochin University of Science and Technology, Kochi, 03/11/12
  15. “Keralathile Kandal Kadukal”, Book Releaf, Kerala Sastra Sahithya Parishath, Kasaragod, 04/11/12
  16. Paper on issues of Endosulfan victims, Endosulfan Virudha Colocotratorate Maarch, Kasaragod, 15/11/12
  17. “Ezhuthum Anubhavavum”, Three Day State Level Literary Workshop conducted by Cultural Movement, Payyannur, 2012 Dec.21-23
  18. “Malayala Kathayude Bhavukathwa Parinamangal”, Three Day Literary Seminar, Malabar Mahotsavam, conducted by Kerala Govt., Calicut, 2013 Jan.12-14
  19. “Azhikodinte Sthreepaksham”, Two Day Seminar, conducted by Sukumar Azhikode Trust, Kottayam, 23/01/13
  20. “Sargavasantham”, Two Day Literary Workshop, conducted by S.S.A., GFHS Kanhangad, 2013 Feb.8-9

21. “Anubhavavum Aakhyavanum-Marunna Pravanathakal”, Two Day Literary Workshop, conducted by Sahithyavedi, Nehru College Kanhangad, 2013 Feb.16-17
22. “Kathayum Kathakrithum Prasnaparisarangalil”, One Day Seminar, conducted by Malayalam Dept., Govt. College, Manjeshwar, Kasargod, 16/03/13
23. Balakrishnan Mangad Anusmarana Sammelanam, Prest Club Auditorium, Kasaragod, 08/04/13
24. Paper Presentation, S.K.Pottakkad JanmaShathabdhi Celeberation, Conducted by Malayalam University at Kannur, 24/05/13
25. Paper Presentation, Dept. of Malayalam, Calicut University, 26/06/13
26. Paper on Tribunal for Endosulfan victims, conducted by Kerala Government at Kasaragod, 20/07/13
27. Paper and Inaugural speech on cartoon,Two Day Cartoon Workshop conducted by Sahithyavedi at Nehru College collaboration with Kerala Lalithakala Academi, 2013 Aug.16-17
28. Inaugural speech and paper on Sanskrit language, Samskrita Bhasha Saphaha Sammelanam, conducted by Viswasamskritha Prathishthanam and Sanskrit Teachers Federation at Kanhangad, 25/08/13

### Dr. Sheeja K. P.

- Chaired
  1. Chaired A Session in Three Day National Seminar On “Madhyamam, Samskaram, Samootham” Sponsored By UGC, held at Post Graduate Dept Of Malayalam And Research Centre, Govt. Brennen College, Dharmadam, Thalassery on 16 - 18, September 2015

### S.8 Department of Mathematics

Faculty	Chaired	Served as resource person/ delivered invited lecture
Dr. Dinesh T.	-	1
Dr. Reeja P. V.	-	1
Sajitha K. M.	-	1

### Dr. Dinesh T.

- As resource person/delivered invited lecture
  1. Dr. Dinesh T. delivered a lecture on “Graphs and Fuzzy Graphs” at Payyanur College, Payyanur in connection with the inauguration of the activities of the Mathematics Association of Payyanur College in 2013-14.

### Dr. Reeja P. V.

- As resource person/delivered invited lecture

1. Dr. Reeja P.V. took classes in the Bridge Course in Mathematics at College of Engineering Trikaripur, Cheemeni on 29/07/16.

### **Sajitha K. M.**

- As resource person/delivered invited lecture
  1. Sajitha K. M. took classes in the Bridge Course in Mathematics at College of Engineering, Trikaripur, Cheemeni on 30/07/16.

## **S.9 Department of Physics**

Faculty	Chaired	Served as resource person/ delivered invited lecture
Dr. R. K. Sathish	-	2
Dr. K. V. Murali	1	4

### **Dr. R. K. Sathish**

- As resource person/delivered invited lecture
  1. Two day Regional Conference on ‘Centenary of Bohr atom model’ at Regional Science Centre, Calicut on 6-7 November 2013.
  2. Two day Conference at Department of Studies & Research in Physics, Payyanur College on 22-23 March 2016.

### **Dr. K. V. Murali**

- As resource person/delivered invited lecture
  1. Content enrichment Programme in Physics for Higher Secondary School teachers of Andhrapradesh, Telangana and Kerala at Regional College of Education, Mysore on 2-6 January 2017.
  2. Interactive Simulations in Physics Education at Pazhassi Raja NSS College, Mattanur, Kerala on 28/02/2017.
  3. Python for Beginners at Payyanur College, Payyanur, Kerala on 24/05/16
  4. Dye Sensitized Solar Cells at Mahatma Gandhi College, Iritty, Kerala on 14-16 January 2015
- Chaired
  1. National Conference on “Emerging Methods in Nanotechnology” (Nano Chem-2015) at Department of Chemistry and Research Centre, PRNSS College, Mattanur, Kerala on 17-18 September 2015.

## **S.10 Department of Political Science**



<b>Faculty</b>	<b>Chaired</b>	<b>Served as resource person/ delivered invited lecture</b>
Dr. M. Muralidharan Nambiar	1	-

**Dr. M. Muralidharan Nambiar**

- Chaired the session entitled “Globalization ,Ict and Governance” in the National Seminar on “Democracy, Development and Globalization - Perspective and Experience” organized by All Kerala Political Science Association at Govt. College, Madappally during 30-31 January 2015

## Appendix T

### List of Staff Development Programmes

#### T.1 Department of Botany

Sl. No.	Programme Attended	University	Period
<b>Dr. Manjula C.</b>			
1	Acquired Ph.D. availing FDP of UGC	Kannur University	01/10/10 to 31/09/12
2	Refresher Course (Environmental Science)	Kannur University	18/11/14 to 08/12/14
<b>Dr. Prajith P. K.</b>			
3	Refresher Course (Environmental Science)	Kannur University	18/11/14 to 08/12/14
<b>Dr. K. Agretious Thomas</b>			
4	Refresher Course (Environmental Science)	Kannur University	18/11/14 to 08/12/14
<b>Dr. Subrahmanya Prasad K.</b>			
5	Orientation Course	Kannur University	21/07/15 to 17/08/15

#### T.2 Department of Chemistry

Sl. No.	Programme Attended	University	Period
<b>Deepthi P. V.</b>			
1	Orientation Course	Kannur University	01/11/12 to 30/11/12
2	Refresher Course	Kannur University	11/11/15 to 01/12/15
3	Registered for Ph.D.	Kannur University	26/05/15
<b>Salini N. G.</b>			
4	Refresher Course	Kannur University	13/08/14 to 02/09/14
5	Registered for Ph.D.	Kannur University	01/12/14
6	Applied for FDP	-	-
<b>Dr. A. Mohanan</b>			
7	Orientation Course	Kannur University	21/07/15 to 17/08/15
<b>Rajeesh P.</b>			
8	Orientation Course	Kannur University	08/07/14 to 04/08/14
9	Registered for Ph.D.	Kannur University	26/04/11
10	Applied for FDP	-	-
<b>Dr. K. Mangala</b>			
11	Orientation Course	Kannur University	13/01/16 to 10/02/16
12	Acquired Ph.D.	CUSAT	March 2012

#### T.3 Department of Commerce

Sl. No.	Programme Attended	University	Period
<b>Jisha P. V.</b>			
1	Orientation Course	Kannur University	01/11/12 to 30/11/12
2	Refresher Course	Kannur University	30/06/14 to 21/07/14
3	Short term Course on Research Methodology	Kannur University	06/01/14 to 10/01/14
4	Applied for FDP, completed selection procedure	-	-
<b>Vijayakumar V.</b>			

APPENDIX T. LIST OF STAFF DEVELOPMENT PROGRAMMES

Sl. No.	Programme Attended	University	Period
5	One week short term training	Tata Institute of Social Science sponsored by FLAIR, Dept. of Higher Education, Kerala.	24/02/15 to 01/03/15

#### T.4 Department of Computer Science

Sl. No.	Programme Attended	University	Period
<b>Mithun A. V.</b>			
1	Orientation Course	University of Calicut	02/06/15 to 29/06/15

#### T.5 Department of Economics

Sl. No.	Programme Attended	University	Period
<b>Retheesh P. K.</b>			
1	Orientation Course	Kannur University	13/01/16 to 10/02/16
2	FLAIR Induction Training Programme	Kerala State Higher Education Council	20/01/14
3	FLAIR National Level Training Programme on Emerging Issues in Economics from the Perspective of Developing Economies	Tata Institute of Social Science sponsored by FLAIR, Dept of Higher Education, Kerala	24/02/15 to 28/02/15
<b>M. Anoopkumar</b>			
4	Orientation Course	Central University of Hyderabad	13/09/13 to 10/10/13
5	Orientation Course for NSS Programme Officers	Empanelled Training Institute, Rajagiri College of Social Sciences, Kalamassery	10/09/15 to 16/09/15
6	Faculty Training Programme for College Teachers	Kerala State Higher Education Council	24/03/14 to 26/03/14
7	FLAIR National Level Training Programme on Emerging Issues in Economics from the Perspective of Developing Economies	Tata Institute of Social Sciences	24/02/15 to 28/02/15

#### T.6 Department of Hindi

Sl. No.	Programme Attended	University	Period
<b>Jnaneswari C.</b>			
1	Orientation Course	Kannur University	12/11/14 to 09/12/14
2	Acquired Ph.D.	Kannur University	30/03/12
3	Three day Induction Training Programme of FLAIR	Kerala State Higher Education Council	22/01/15 to 24/01/15

#### T.7 Department of History

Sl. No.	Programme Attended	University	Period
<b>Dr. P. Prabhakaran</b>			

Sl. No.	Programme Attended	University	Period
1	Acquired Ph.D.	Kannur University	2013
<b>Nandakumar K.</b>			
2	Pursuing Ph.D.	Kannur University	2014
3	Refresher Course	Kannur University	2014
<b>Sharafunnisa C. H.</b>			
4	Pursuing Ph.D.	Calicut University	2016
5	Orientation Course	Jamia Millia Islamia University	2015
<b>Rajeevan C. P.</b>			
6	Orientation Course	Kannur University	2015

### T.8 Department of Malayalam

Sl. No.	Programme Attended	University	Period
<b>Dr. Sheeja K. P.</b>			
1	Orientation Course	University of Kerala	30/04/14 to 27/05/14
2	3 days FLAIR Induction Training for good learning	Kerala State Higher Education Council	22/01/15 to 24/01/15
3	Acquired Ph.D.	Aligarh Muslim University	16/11/12
<b>Dr. Dhanya Keeperi</b>			
4	Acquired Ph.D.	Kannur University	05/09/15
<b>Shini V.</b>			
5	3 day training programme in general informatics	Kerala State Higher Education Council	04/08/11 to 06/08/11
6	Submitted Ph.D. thesis	Kannur University	02/12/15
<b>Dhanya Palakkadavath</b>			
7	Pursuing Ph.D.	Calicut University	-

### T.9 Department of Mathematics

Sl. No.	Programme Attended	University	Period
<b>Dr. Dinesh T.</b>			
1	Acquired Ph.D. availing FDP of UGC	Kannur University	23/02/12
2	Special Winter School	University of Calicut	27/11/13 to 17/12/13
<b>Dr. Reeja P. V.</b>			
3	Acquired Ph.D. availing FDP of UGC	Kannur University	05/10/12
4	Refresher Course	University of Hyderabad	23/08/13 to 12/09/13
5	Refresher Course in Real and Complex Analysis	Kerala School of Mathematics, Kozhikode	06/11/14 to 09/11/14
<b>Sajitha K. M.</b>			
6	Refresher Course in Topology	Kerala School of Mathematics, Kozhikode	11/09/14 to 14/09/14
7	Special Winter School	University of Calicut	28/11/14 to 18/12/14
8	Applied for FDP, selection procedure completed	-	-

### T.10 Department of Physics

**APPENDIX T. LIST OF STAFF DEVELOPMENT PROGRAMMES**

<b>Sl. No.</b>	<b>Programme Attended</b>	<b>University</b>	<b>Period</b>
<b>Dr. K. Pradeep Kumar</b>			
1	Acquired Ph.D. availing FDP of UGC	Kannur University	30/07/13
2	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	08/05/13 to 21/05/13
3	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	29/04/12 to 12/05/12
<b>Dr. K. M. Udayanandan</b>			
4	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	08/05/13 to 21/05/13
5	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	29/04/12 to 12/05/12
<b>Sidharthan P. V.</b>			
6	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	08/05/13 to 21/05/13
7	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	29/04/12 to 12/05/12
<b>Dr. R. K. Sathish</b>			
8	Ph.D.	Kannur University	2016
9	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	08/05/13 to 21/05/13
10	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	29/04/12 to 12/05/12
<b>Dr. K. V. Murali</b>			

**APPENDIX T. LIST OF STAFF DEVELOPMENT PROGRAMMES**

<b>Sl. No.</b>	<b>Programme Attended</b>	<b>University</b>	<b>Period</b>
11	Acquired Ph.D. availing FDP of UGC	Kannur University	23/10/14
12	Refresher Course in Statistical Mechanics	Kannur University	28/04/14 to 17/05/14
13	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	08/05/13 to 21/05/13
14	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	29/04/12 to 12/05/12
<b>Dr. K. Naseema</b>			
15	Refresher Course in Materials Science	Kannur University	13/08/14 to 02/09/14
16	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	08/05/13 to 21/05/13
17	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	29/04/12 to 12/05/12
<b>Dr. Ragina A. J. (deceased)</b>			
18	Acquired Ph.D.	Kannur University	10/05/13
<b>Neena Raman</b>			
19	Refresher Course (Special Summer School) in Human Rights and Civil Laws	Kannur University	28/04/15 to 18/05/15
20	Orientation Programme (Special Summer School) in Statistical Mechanics	Kannur University	28/04/14 to 17/05/14
21	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	08/05/13 to 21/05/13
22	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	29/04/12 to 12/05/12
<b>R. Rameshkumar</b>			
23	Refresher Course (Special Summer School) in Human Rights and Civil Laws	Kannur University	28/04/15 to 18/05/15

**APPENDIX T. LIST OF STAFF DEVELOPMENT PROGRAMMES**

<b>Sl. No.</b>	<b>Programme Attended</b>	<b>University</b>	<b>Period</b>
24	Refresher course in Special Summer School in Quantum Mechanics	Kannur University	03/04/13 to 23/04/13
25	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	08/05/13 to 21/05/13
26	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	29/04/12 to 12/05/12
<b>T. V. Sathyan</b>			
27	Pursuing Ph.D., applied for FDP, selection procedure completed	Kannur University	-
28	Refresher course in Statistical Mechanics	Kannur University	28/04/15 to 17/05/15
29	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	08/05/13 to 21/05/13
30	Refresher course in Statistical Physics	Sponsored by Indian Academy of Sciences, Bangalore , Indian National Science Academy, New Delhi the National Academy of Sciences, India, Allahabad in collaboration with Nehru Arts and Science College, Kanhangad	29/04/12 to 12/05/12
31	Refresher course in Special Summer School in Quantum Mechanics	Kannur University	03/04/13 to 23/04/13

**T.11 Department of Sanskrit**

<b>Sl. No.</b>	<b>Programme Attended</b>	<b>University</b>	<b>Period</b>
<b>Anu A. P.</b>			
1	Submitted Ph.D. thesis	Kannur University	04/09/15

**T.12 Department of Statistics**

<b>Sl. No.</b>	<b>Programme Attended</b>	<b>University</b>	<b>Period</b>
<b>Dr. K. Radhakrishnan Nair</b>			
1	Acquired Ph.D. availing FDP of UGC	University of Calicut	-

**T.13 Department of Zoology**

<b>Sl. No.</b>	<b>Programme Attended</b>	<b>University</b>	<b>Period</b>
<b>Dr. Supriya N. T.</b>			
1	Orientation Programme	Kannur University	2014
<b>Saraniya Pradeep</b>			
2	Orientation Programme	Kannur University	2015
<b>Anoja K. S.</b>			
3	Orientation Programme	Kannur University	2016



## Appendix U

# List of Workshops/Conferences/Seminars Attended and Papers Presented

### U.1 Department of Botany

#### Number of Conferences Attended

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. Manjula C.	-	-	-	5	4
Dr. Prajith P. K.	-	-	-	4	-
Dr. Agratious Thomas K.	-	-	-	3	-
Dr. Subrahmanya Prasad K.	-	-	-	10	-

#### Number of Papers Presented

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. Manjula C.	-	-	-	1	2
Dr. Prajith P. K.	-	-	-	3	-
Dr. Agratious Thomas K.	-	-	-	3	-
Dr. Subrahmanya Prasad K.	-	-	-	7	2

#### International Level

- **Dr. Manjula C.**

1. Participated in International Conference on Coconut Biodiversity for prosperity Held during 25-28 October 2012 at CPCRI, Kasaragod.
2. Participated and Paper Presented on “Morphological and Molecular characterization of Kuttiyadi Ecotypes of Coconut” in Swadeshi Science Congress on 6-8 November-2012, Organized by Swadeshi Science Movement and CPCRI Kasaragod.
3. Participated in the training cum Awareness Programme on the Protection of plant Varieties and Farmers Rights acts, held at CPCRI Kasaragod on 23/03/13, organized by CPCRI kasaragod and Ministry of Agriculture Government of India.
4. Participated and Paper Presented on “Fatty acid composition of oil from coconut (*Cocos nucifera* L.) ecotypes growing in two agro-climatic regions of Kerala” in International Conference on Sustainability of Coconut, Arecanut, Cocoa farming Technological advances and way Foreword- Organized by CPCRI, Kasaragod during 22/08/14 and 23/08/14.

- **Dr. Subrahmanya Prasad K.**

1. Presented a paper entitled “Ethno-Medicobotany of the Genus *Ipomoea* L. (Convolvulaceae) in North Malabar, Kerala” in International Conference on “Trends in Plant Systematics” at Department of Plant Science, Bharathidasan University, Tiruchirappalli, 31/10/14 to 02/11/14.

2. Presented a paper entitled “Ethnolinguistics and Doctrine of Signature Aspects in Medicinal Plants of Tulunadu” in International Seminar on “Advancements in Angiosperm Systematics and Conservation” at Department of Botany, Calicut University, 19/11/15 to 21/11/15.

### **National Level**

#### **• Dr. Manjula C.**

1. Participated in two days workshop on Strategies on Reaccreditation held on 04/07/12 to 05/07/2012 at NAS College Kanhangad, Sponsored by National assessment and Accreditation Council, Bangalore.
2. Participated in National seminar on Current Development in Biology conducted by the Department of Botany, Govt. College Kasaragod on 13/03/12. Sponsered by Department of Collegiate Education Government of Kerala.
3. Participated in National seminar on “New Perspective on Decentralization: Youth, Woman, Marginalized and Local level Development”.Organized by PG Department of History NAS, College Kanhangad in Association with KILA on 09/03/15 to 10/03/15.
4. Presented paper on” Effect of Climate Change on Coconut plants in Two Day National Seminar on Climate changes- Challenges and Solutions Conducted by Department of Botany NAS College, Kanhangad on February 22-23. Sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE).
5. Participated in Two day National Seminar on AQUACULTURE-AQUA 16 during 10/03/16 to 11/03/16,Organized by Department of Zoology NAS,College, Kanhangad and Sponsord by KSCSTE.

#### **• Dr. Agretious Thomas K.**

1. Presented a paper entitled “Biodiversity and its conservation with special reference to Kerala” in National Seminar on “Recent Trends in Biological Research” at Government College, Kasaragod, 17/12/14 and 18/12/14.
2. Presented a paper entitled “New records of the genus Crepidotus (Crepidotaceae, Fungi) from India” in UGC Sponsored National Seminar on “Management of bio resources in western ghats - a technological approach” at SAS SNDP Yogam College, Konni, 17/09/15 to 18/09/15.
3. Presented a paper entitled “Water conservation and rainwater harvesting” in National Seminar on “Climate Change - Challenges and Solutions” at Department of Botany, NAS College, Kanhangad on 22/02/16 to 23/02/16, sponsored by KSCSTE, Thiruvananthapuram.
4. Participated in two day National Seminar on Aquaculture-AQUA 16 during 10/03/16 to 11/03/16,organized by Department of Zoology NAS, College, Kanhangad and Sponsored by KSCSTE.

#### **• Dr. Prajith P. K.**

1. Presented a paper entitled “The effect of Mn in germinating barley seedlings” in National Seminar on “Recent Trends in Biological Research” at Government College, Kasaragod, 17/12/14 to 18/12/14.
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2. Presented a paper entitled “Vegetation Analysis of Rampara forest, Gujarat” in UGC Sponsored National Seminar on “Management of bioresources in western ghats - a technological approach” at SAS SNDP Yogam College, Konni, 17/09/15 to 18/09/15.
3. Presented a paper entitled “ Impact of Climate change in Developed Countries - A review” in National Seminar on “Climate Change - Challenges and Solutions” at Department of Botany, NAS College, Kanhangad on 22/02/16 to 23/02/16, sponsored by KSCSTE, Thiruvananthapuram.

● **Dr. Subrahmanya Prasad K.**

1. Presented a paper entitled “Endemic plant diversity in selected sacred groves of North Malabar, Kerala” in National Seminar on “Faunal Biodiversity and Endemism of Southern Western Ghats” at NSS College, Pandalam, 17/01/12 to 19/01/12.
2. Presented a paper entitled “A comparative account of the endemic plants in sacred groves of Kasaragod, Kannur and Kozhikode districts of Kerala” in Second “Indian Biodiversity Congress” at Bengaluru, Karnataka, 09/12/12 to 11/12/12.
3. Presented a paper entitled “Endemic and RET Plant Diversity in Selected Sacred Groves of Kozhikode District, Kerala” in National Seminar on “Western Ghats - Biogeography, Biodiversity and Conservation” at N. S. S. College, Manjeri, Malappuram, 14/02/13 to 16/02/13.
4. Presented a paper entitled “Plants Used for Wound Healing by the Kalari Practitioners of North Malabar, Kerala” in National Seminar on “Western Ghats - Biogeography, Biodiversity and Conservation” at N. S. S. College, Manjeri, Malappuram, 14/02/13 to 16/02/13.
5. Presented a paper entitled “Deltas of Chandragiri River: Refugia of Endemic and RET Plants” in National Seminar on “Socio-Economic Root Causes of Biodiversity Loss” at Department of Botany, S. N. College, Kannur, 24/01/14 to 25/01/14.
6. Presented a paper entitled “Climate Change vis a vis Floristic Diversity” in National Seminar on “Economics of Climate Change: Understanding the Linkage between Economy and Ecology” at Department of Economics, Nehru Arts and Science College, Kanhangad, 18/09/14, 23/09/14 - 24/09/14.
7. Presented a paper entitled “Endemic and RET Elements in the Medicinal Plants of Tulunadu” in National Seminar on “Climate Change - Challenges and Solutions” at Department of Botany, NAS College, Kanhangad on 22/02/16 to 23/02/16.
8. Participated in National Seminar on “Recent Advances in Mycology” at Govt. College, Kasaragod on 25/10/13.
9. Participated in National Seminar on “New Perspective on Decentralization: Youth, Woman, Marginalized and Local level Development” at PG Department of History NAS College, Kanhangad on 09/03/15 to 10/03/15.
10. Participated in National Seminar on “AQUACULTURE-AQUA 16” at Department of Zoology, NAS College, Kanhangad 10/03/16 to 11/03/16.

## U.2 Department of Chemistry

### Number of Conferences Attended

Name	Regional Level	University Level	State Level	National Level	International Level
V. Karunakaran	2	-	-	1	-
P. V. Deepthi	5	-	2	4	-
N. G. Salini	5	-	2	5	-
Dr. A. Mohanan	4	-	1	3	-
P. Rajeesh	3	-	1	3	-
Dr. K. Mangala	3	-	1	2	-

### Number of Papers Presented

Name	Regional Level	University Level	State Level	National Level	International Level
P. V. Deepthi	-	-	-	1	-
N. G. Salini	-	-	-	2	-
Dr. A. Mohanan	-	-	-	2	-
P. Rajeesh	-	-	-	-	-
Dr. K. Mangala	-	-	-	3	-

### National Level

- **V. Karunakaran**

1. National Seminar entitled “Polymers Plural Thoughts Over the Boons & Bans” at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad during 05/02/14 to 06/02/14, sponsored by KSCSTE.

- **P. V. Deepthi**

1. National Seminar on “Recent advances in Chemistry, Govt. Brennen College Thalassery on 14/12/15 to 15/12/15, Sponsored by D C E.
2. National Seminar entitled “Polymers Plural Thoughts Over the Boons & Bans” at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad during 05/02/14 to - 06/02/14, sponsored by KSCSTE.
3. National conference on emerging methods in nano technology (nano chem. 2015), PRNSS College, 17/09/15 to 18/09/15.sponsored by UGC
4. National Seminar on Techniques and Advances in Material Sciences, Govt. Brennen College Thalassery on 24/11/14, Sponsored by D C E.

- **N. G. Salini**

1. National Seminar on “Recent advances in Chemistry, Govt. Brennen College Thalassery on 14/12/15 to 15/12/15, Sponsored by D C E.
2. National Seminar entitled “Polymers Plural Thoughts Over the Boons & Bans” at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad during 05/02/14 to 06/02/14, sponsored by KSCSTE.

3. National conference on emerging methods in nano technology (nano chem. 2015), PRNSS College, 17/09/15 to 18/09/15.sponsored by UGC
4. National Seminar on polymers and composites, Nirmalagiri College, 09/09/15 to 10/09/15. sponsored by UGC
5. National Seminar on Instrumental Methods of Chemical analysis, Govt. Brennen College Thalassery on 22/11/13, Sponsored by D C E.

● **Dr. A. Mohanan**

1. National Seminar on “Recent Challenges and Progresses in Chemistry (RCPC 2015)” organized by Dept. of Chemistry”, Govt. Colege, Kasaragod during 10/12/15 to 11/12/15.
2. National Seminar on “Recent Challenges and Progresses in Chemistry(RCPC 2014)” Organized by Dept. of Chemistry, Govt. Colege, Kasaragod during 20/10/14 to 21/10/14.
3. National Seminar entitled “Polymers Plural Thoughts Over the Boons & Bans” at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad during 05/02/14 to 06/02/14, sponsored by KSCSTE.

● **P. Rajeesh**

1. National Seminar on “Recent advances in Chemistry, Govt. Brennen College Thalassery on 14/12/15 to 15/12/15, Sponsored by D C E.
2. National Workshop on Radio activity, S A T Campus, Kannur University, Organised by IANCAS (SRC), Kalpakkam, on 26/11/15 to 27/11/15.
3. National Seminar entitled “Polymers Plural Thoughts Over the Boons & Bans” at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad during 05/02/14 to 06/02/14, sponsored by KSCSTE.

● **Dr. K. Mangala**

1. National Seminar entitled “Polymers Plural Thoughts Over the Boons & Bans” at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad during 05/02/14 to 06/02/14, sponsored by KSCSTE.
2. National Seminar on Instrumental Methods of Chemical analysis, Govt. Brennen College Thalassery on 22/11/13, Sponsored by D C E.

**State Level**

● **P. V. Deepthi**

1. Workshop on “Research Methodology”, held at Nehru Arts & Science College, Kanhangad as part of Swasraya Bharath 2014 organised by Swadeshi Science Movement, Kerala on 17/10/14.
2. 28<sup>th</sup> Kerala Science Congress, University of Calicut, 28/01/16 to 30/01/16.

● **N. G. Salini**

1. Workshop on “Research Methodology”, held at Nehru Arts & Science College, Kanhangad as part of Swasraya Bharath 2014 organised by Swadeshi Science Movement, Kerala on 17/10/14.
2. 28<sup>th</sup> Kerala Science Congress, University of Calicut, 28/01/16 to 30/01/16.

● **Dr. A. Mohanan**

1. Workshop on “Research Methodology”, held at Nehru Arts & Science College, Kanhangad as part of Swasraya Bharath 2014 organised by Swadeshi Science Movement, Kerala on 17/10/14.

● **P. Rajeesh**

1. Workshop on “Research Methodology”, held at Nehru Arts & Science College, Kanhangad as part of Swasraya Bharath 2014 organised by Swadeshi Science Movement, Kerala on 17/10/14.

● **Dr. K. Mangala**

1. Workshop on “Research Methodology”, held at Nehru Arts & Science College, Kanhangad as part of Swasraya Bharath 2014 organised by Swadeshi Science Movement, Kerala on 17/10/14.

**Regional**

● **V. Karunakaran**

1. Science day Celebrations “Science for Nation Building” at Nehru Arts & Science College, Kanhangad, 04/02/15 - 28/02/15.
2. Regional seminar entitled “Solid Waste Management - A Sustainable Perspective” on 10/10/14 at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad, sponsored by KSCSTE.

● **P. V. Deepthi**

1. Ozone Preservation day “30 Years of Healing the Ozone Together” at Nehru Arts & Science College, Kanhangad, 15/09/15 to 16/09/15.
2. Science day Celebrations “Science for Nation Building” at Nehru Arts & Science College, Kanhangad, 04/02/15 - 28/02/15.
3. Regional seminar entitled “Solid Waste Management - A Sustainable Perspective” on 10/10/14 at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad, sponsored by KSCSTE.
4. Capacity Building Workshop for coordinators and internal mentors of WWS, NAS College, Kanhangad, on 02/02/16 Sponsored by D C E.
5. Orientation Programme on Anti Plagiarism, Kannur University, 22/06/16.

● **N. G. Salini**

1. Ozone Preservation day “30 Years of Healing the Ozone Together” at Nehru Arts & Science College, Kanhangad, 15/09/15 to 16/09/15.
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2. Regional seminar entitled “Solid Waste Management - A Sustainable Perspective” on 10/10/14 at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad, sponsored by KSCSTE.
3. Capacity Building Workshop for coordinators and internal mentors of WWS, NAS College, Kanhangad, on 02/02/16 Sponsored by D C E.
4. Orientation Programme on Anti Plagiarism, Kannur University, 22/06/16.
5. Orientation Programme on Facilitating Innovation and Patent Filing, SAT Campus, Kannur University, Organised by IUCIPRS, CUSAT, on 20/07/16.

● **Dr. A. Mohanan**

1. Regional Seminar on “Bio-Degradable Plastics” organized by Department of Industries & Commerce at Kanhangad on March 2015.
2. Leadership Excellence Activation Programme - ‘LEAP’ organized by Junior Chamber International India - Zone XIX during 01/09/12 to 02/09/12.
3. Science day Celebrations “Science for Nation Building” at Nehru Arts & Science College, Kanhangad, 04/02/15 to 28/02/15.
4. Regional seminar entitled “Solid Waste Management - A Sustainable Perspective” on 10/10/14 at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad, sponsored by KSCSTE.

● **Rajeesh P.**

1. Ozone Preservation day “30 Years of Healing the Ozone Together” at Nehru Arts & Science College, Kanhangad, 15/09/15 to 16/09/15.
2. Science day Celebrations “Science for Nation Building” at Nehru Arts & Science College, Kanhangad, 04/02/15 - 28/02/15.
3. Regional seminar entitled “Solid Waste Management - A Sustainable Perspective” on 10/10/14 at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad, sponsored by KSCSTE.

● **Dr. Mangala K.**

1. Ozone Preservation day “30 Years of Healing the Ozone Together” at Nehru Arts & Science College, Kanhangad, 15/09/15 to 16/09/15.
2. Science day Celebrations “Science for Nation Building” at Nehru Arts & Science College, Kanhangad, 04/02/15 - 28/02/15.
3. Regional seminar entitled “Solid Waste Management - A Sustainable Perspective” on 10/10/14 at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad, sponsored by KSCSTE.

**Papers Presented**

**National**

● **P. V. Deepthi**

1. Deepthi Padinhare Veettil, Salini Nadakkakath Gopalan, and Resmi Baby Gopalan “Analysis of Basic Physico-Chemical Parameters of Water Quality at Nileswaram Zone”, National Conference On Emerging Methods in Nano Technology (Nano Chem. 2015), PRNSS College, 17-18<sup>th</sup> September 2015.

• **N. G. Salini**

1. Salini Nadakkakath Gopalan, Deepthi Padinjare Veettil & Mangala Kunniyur “Chemical Analysis as an Important Tool for Evaluating Soil Health and Quality; A Zonal Survey”, National Seminar On Polymers and Composites, Nirmalagiri College, Kanhangad, 09-10<sup>th</sup> September 2015.
2. Salini Nadakkakath Gopalan, Deepthi Padinjare Veettil, and Resmi Baby Gopalan “Trend Of Fertility Status Of Soil- Chemical Analysis At Hosdurg Taluk”, National Seminar On Polymers And Composites, Nirmalagiri College, 09-10<sup>th</sup> September 2015.

• **Dr. A. Mohanan**

1. A Mohanan and B. Vishalakshi, “pH responsive Poly (Acrylamide-co-Itaconic acid) Hydrogels for Sustained Drug Delivery”, National Conference On Emerging Research Trends In Chemistry (NCERTC-2016), Payyannur College, 6-8 January 2016.
2. A Mohanan & B. Vishalakshi, “Synthesis, Characterisation & Applications of Poly (Acrylamide - co - Maleic acid ) Hydrogels”, National Seminar On Polymers- Plural Thoughts Over The Boons & Bans, NAS college Kanhangad, 6-7 February 2014

• **Dr. K. Mangala**

1. Kunniyur Mangala, Krishnapillai Sreekumar, “Synthesis of polycarbosilane supported Manganese ions: Application as Catalyst in Mannich Reaction” National Seminar on Polymers- Plural Thoughts Over the Boons and Bans - NAS College, Kanhangad 6-7 February 2014
2. Kunniyur Mangala, Krishnapillai Sreekumar “Application of Dendrimer as an Efficient Organocatalyst for Knoevenagel Condensation Reaction” Krishna Menon Memorial Govt. College, Kannur. 09-11 September 2015.
3. Kunniyur Mangala, Krishnapillai Sreekumar “Palladium(II) Supported Polycarbosilane: Application as Reusable Catalyst” National Conference On Emerging Research Trends in Chemistry (NCERTC-2016), Payyannur College, 6-8 January 2016.

### U.3 Department of Commerce

#### Number of Conferences Attended

Name	Regional Level	University Level	State Level	National Level	International Level
V. V. Purushothaman	2	-	-	1	-
Jisha P. V.	5	-	1	5	-



**APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND PAPERS PRESENTED**

<b>Name</b>	<b>Regional Level</b>	<b>University Level</b>	<b>State Level</b>	<b>National Level</b>	<b>International Level</b>
V. Vijayakumar	9	-	3	9	-
Sabitha A.	4	-	1	1	-
Ramya K.	2	-	-	1	-
Pankaj Ayikkomath	2	-	-	1	-
Aparna K. P.	2	-	-	1	-
Prashanth K.	2	-	-	-	-

**Number of Papers Presented**

<b>Name</b>	<b>Regional Level</b>	<b>University Level</b>	<b>State Level</b>	<b>National Level</b>	<b>International Level</b>
Jisha P. V.	-	-	-	2	-
V. Vijayakumar	1	-	-	1	-

**National Level**

● **V. V. Purushothaman**

1. Attended two day national workshop conducted by Department of Statistics of Nehru Arts and Science College on Data Analysis using statistical Software, sponsored by UGC held During 16/10/14 to 17/10/14.

● **Jisha P. V.**

1. Participated in two day National Workshop conducted by Department of Statistics on “Data analysis using statistical software” on 16/10/14 to 17/10/14.
2. Participated in One day UGC sponsored National seminar on “Goods and Service Tax in India: Economic and Legal issues” on 12/02/13.
3. Participated in One day UGC sponsored National seminar on “Behavioral Finance: New Horizons in Capital Market “ on 29/10/14.
4. Presented a paper on the topic “Corporate Social Responsibility” in the three day UGC sponsored National Seminar organized by the Department of Commerce, Co-operative Arts & Science College, Madayi on 29/03/12 to 31/03/12.
5. Presented a paper on the topic “Problems and Prospects of Unorganized sector with special reference to Kasargod District” in the two day national seminar organized by Centre for MBA, Nileshwar on 31/05/16 to 01/06/16.

● **V. Vijayakumar**

1. Attended two day national workshop conducted by Department of Statistics of Nehru Arts and Science College on Data Analysis using statistical Software, sponsored by UGC held During 16/10/14 to 17/10/14.
2. Participated one day National Seminar on “Banking Sector Reforms In India: Issues and Impacts” held at GPM College Manjeswar on 13/01/14.
3. Attended two day national seminar conducted by Department of mathematics of Nehru Arts and Science College on New Trends in Analysis, sponsored by UGC held During 25/09/14 to 26/09/14.

APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND  
PAPERS PRESENTED

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4. Attended two day national seminar conducted by Department of Economics of Nehru Arts and Science College on Economics of Climate Changes, sponsored by UGC held on 10/10/15 to 11/10/15.
5. Attended two day national seminar conducted by Department of Political science of Nehru Arts and Science College on Indian Political System, sponsored by UGC held on 17/11/15 to 18/11/15.
6. Attended two day national seminar on “Emerging Trends in Banking Sector in the Globalised Scenario”, Organized by Department of Commerce, EKNM Govt college, Elerithattu on 10/01/14 funded by UGC.
7. Attended in UGC Sponsored National seminar on “Service Sector Dynamism and Indian Economic Growth: Problems and Prospects”, Organized by Sri. Achuthamenon Govt.College, Kuttanellur, Thrissur, Kerala on 18/12/13 to 19/12/13.
8. Participated and presented a paper titled “Business Correspondents Model: An Antibiotics to Financial Exclusion” in UGC Sponsored National seminar on “Emerging Trends in Banking Sector in the Globalised Scenario” Organized by Department of Commerce, EKNM Govt college, Elerithattu on 26/08/14 to 27/08/14.
9. Attended SEBI Financial Education Training Program in Coimbatore from 08/03/15 to 11/03/15 organized by SEBI (Securities and Exchange Board of India).

● **Sabitha A.**

1. Attended 2 day national workshop conducted by Department of statistics Of Nehru Arts and science college Kanhangad on “Data Analysis Using Statistical Software”, sponsored by UGC held during 16/10/14 to 17/10/14.

● **Ramya K.**

1. Attended 2 day national workshop conducted by Department of statistics Of Nehru Arts and science college Kanhangad on “Data Analysis Using Statistical Software”, sponsored by UGC held during 16/10/14 to 17/10/14.

● **Pankaj Ayikkomath**

1. Attended 2 day national workshop conducted by Department of statistics Of Nehru Arts and science college Kanhangad on “Data Analysis Using Statistical Software”, sponsored by UGC held during 16/10/14 to 17/10/14.

● **Aparna K. P.**

1. Attended 2 day national workshop conducted by Department of statistics Of Nehru Arts and science college Kanhangad on “Data Analysis Using Statistical Software”, sponsored by UGC held during 16/10/14 to 17/10/14.

**State level**

● **Jisha P. V.**

1. Participated in the one day workshop of Swasraya Bharath 2014 on the topic “Research Methodology” organized by Swadheshi Science Movement, Kerala and Agricultural University, 17/10/14.

• **V. Vijayakumar**

1. Participated in two day Workshop conducted by FLAIR “Induction Training Programme” on 03/09/15 to 04/09/15.
2. Attended FLAIR induction training programme, “Good Learning” from 15/01/15 to 17/01/15, held at the Maria Rani Training Centre, Sreekaryam, Thiruvananthapuram..
3. Attended FLAIR Induction Training Programme Phase II from 03/09/15 to 04/09/15, held at the Maria Rani Training Centre, Sreekaryam, and Thiruvananthapuram.

• **Sabitha A.**

1. Participated in the one day workshop of Swasraya Bharath 2014 on the topic “Research Methodology” organized by Swadheshi Science Movement, Kerala and Agricultural University, 17/10/14.

**Regional Level**

• **V. V. Purushothaman**

1. Attended One day workshop on Approaches to Research Methods conducted by Department of commerce, Nehru Arts and Science College Kanhangad on 25/10/14
2. Attended One day workshop on Mixed Methods of Social Science Research conducted by Department of commerce, Nehru Arts and Science College Kanhangad in 2015.

• **Jisha P. V.**

1. Participated in one day workshop conducted on the topics “Research Methodology” at PRNSS Mattannur on 24/08/13.
2. Participated in the “Quality improvement and Sensitisation” workshop organized by the School of Distance Education in association with Kerala Higher Education Council on 28/06/12.
3. Participated on One day workshop on “Approaches to Research Methodology” organized by Department of Commerce, Nehru Arts & Science College, Kanhangad on 25/10/14.
4. Participated in one day workshop conducted by Department of Commerce, NAS college, Kanhangad on the topic “Mixed Methods in Social Science Research” in 2015.
5. Participated one day regional seminar conducted by Mathematics club of Nehru arts and science college on the topic “Vedic Mathematics and Learning Aids in Mathematics” on 20/09/12.

• **V. Vijayakumar**

1. Attended One day workshop on Approaches to Research Methods conducted by Department of commerce, Nehru Arts and science college Kanhangad on 25/10/14

APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND  
PAPERS PRESENTED

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2. Attended One day workshop on Mixed Methods of Social Science Research conducted by Department of commerce, Nehru Arts and science college Kanhangad in 2015
3. Attended in one day workshop conducted on the topics “Research Methodology” at PRNSS Mattannur on 24/08/13.
4. Participated the “Quality improvement and Sensitization” workshop organized by the School of Distance Education in association with Kerala Higher Education Council on 28/06/12.
5. Participated in three day Workshop conducted by Kannur University “Training the Trainers Workshop” on 06/08/14 to 08/08/14.
6. Participated one day regional seminar conducted by Mathematics club of Nehru arts and science college on the topic “Vedic Mathematics and Learning Aids in Mathematics” on 20/09/12.
7. Attended one day Seminar on Ring fencing of Debt: Issues and challenges held at GPM College Manjeswar sponsored by Higher education department of Kerala on 10/07/13.
8. Presented a research paper entitled “Factoring Services: Issues and Challenges” in one day regional seminar conducted by PG Department of Commerce, Government College, Attingal on 25/11/15 to 26/11/15.
9. Attended a Technical session in the three day summer cum moral school organized by student police, GHSS Chayoth.

● **Sabitha A.**

1. Participated in One day workshop on “Research methodology” conducted by Department of commerce, PRNSS Mattannur on 24/08/13.
2. Attended One day workshop on Approaches to Research Methods conducted by Department of Commerce, Nehru Arts and science college Kanhangad on 25/10/14.
3. Attended One day workshop on Mixed Methods of Social Science Research conducted by Department of commerce, Nehru Arts and science college Kanhangad in 2015.
4. Participated one day regional seminar conducted by Mathematics club of Nehru arts and science college on the topic “Vedic Mathematics and Learning Aids in Mathematics” on 20/09/12.

● **Ramya K.**

1. Attended One day workshop on Approaches to Research Methods conducted by Department of Commerce, Nehru Arts and science college Kanhangad on 25/10/14.
2. Attended One day workshop on Mixed Methods of Social Science Research conducted by Department of commerce, Nehru Arts and science college Kanhangad in 2015.

● **Pankaj Ayikkomath**

1. Attended One day workshop on Approaches to Research Methods conducted by Department of Commerce, Nehru Arts and science college Kanhangad on 25/10/14.

2. Attended One day workshop on Mixed Methods of Social Science Research conducted by Department of commerce, Nehru Arts and science college Kanhangad in 2015.

• **Aparna K. P.**

1. Attended One day workshop on Approaches to Research Methods conducted by Department of Commerce, Nehru Arts and science college Kanhangad on 25/10/14.
2. Attended One day workshop on Mixed Methods of Social Science Research conducted by Department of commerce, Nehru Arts and science college Kanhangad in 2015.

• **Prasanth K.**

1. Attended One day workshop on Approaches to Research Methods conducted by Department of Commerce, Nehru Arts and science college Kanhangad on 25/10/14.
2. Attended One day workshop on Mixed Methods of Social Science Research conducted by Department of commerce, Nehru Arts and science college Kanhangad in 2015.

#### U.4 Department of Computer Science

##### Number of Conferences Attended

Name	Regional Level	University Level	State Level	National Level	International Level
Mithun A. V.	-	-	-	2	-

##### National Level

• **Mithun A. V.**

1. UGC Sponsored National Workshop on “Artificial Intelligence” conducted by Department of Computer Science, Govt. College Kasaragod on 30/01/15.
2. UGC Sponsored National Seminar on “News Trends in Analysis” conducted by the Department of Mathematics, Nehru Arts & Science College Kanhangad on 25/09/14 to 26/09/14.

#### U.5 Department of Economics

##### Number of Conferences Attended

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. A. Ashokan	-	-	-	6	1
P. K. Retheesh	-	-	1	10	-
M. Anoopkumar	-	-	-	6	-

### **International Level**

- **Dr. A. Ashokan**

1. Attended Three day International Conference on Public Policy and Governance in the Era of Globalization, Central University of Kerala, Nalanda Resorts, Nileshtar, Kerala Feb:12-14, 2014.

### **National Level**

- **Dr. A. Ashokan**

1. Attended National workshop on Statistical Software in Economic Research, EKNM College Govt. of Kerala, 11/10/13.
2. Attended Workshop on Social Science Research: University of Calicut, Chair for Islamic Studies and Research and Institute of Objective Studies, 08/11/13.
3. Attended ICSSR sponsored National Conference on “Strengthening Participatory Democracy and Good Governance”, organized by Department of Political Science, Gobi Arts & Science College, Gobichettipalayam, Erode, Tamilnadu-638453 on 20/09/14.
4. Attended two day UGC Sponsored National Seminar on Poverty and Social Exclusion in India-Need for a Policy Framework towards Inclusive Development at PRNSS College, Mattanur, Kannur on 09/09/15.
5. Attended two day UGC Sponsored National Seminar on The Emerging Challenges in Kerala Economy and Society MD College, Pazhanji Kunnamkulam, Thrissur on 10/09/15.
6. Attended two day UGC Sponsored National Workshop being organized by the PG department of Economics and Research Centre, NSS College for Women on 28/10/15.

- **P. K. Rethesh**

1. Attended Two Day National Seminar on Global Economic Crisis sponsored by the Directorate of Collegiate Education, Organized by the EKNM Government College Elrithattu from 01/03/12 to 02/03/12.
2. Attended Two Day national Seminar on Inclusive Growth and Indian Economy organized by Bishopmore College Mavelikara from 19/09/12 to 20/09/12.
3. Attended Two Day national Seminar on Sustainable development of Kerala sponsored by UGC, organized by EKNM Government College Elerithattu from 29/09/14 to 30/09/14.
4. Attended One day national Seminar on electoral Reforms in India sponsored by Institute of parliamentary Affairs, Government of Kerala, organized by EKNM Government College Elerithattu in 20/01/14.
5. Attended Two Day National Seminar on Financial Liberalization in India and macro-Economic Stability sponsored by Directorate of Collegiate Education Kerala Organized by Government College Mananthavady from 23/10/13 to 24/10/13.

6. Attended Two Day National Seminar on The Marketing of Financial Services organized by Government College Attingal from 25/11/15 to 26/11/15.
7. Attended UGC Sponsored National Seminar on Economics of Climate Change organized by Nehru Arts and Science College Kanhangad from 18/09/14 to 24/09/14.
8. Attended Three Day National Workshop on Research methodology in Social Science sponsored by directorate of Collegiate Education, Government of Kerala, organized by Government College Ambalapuzha
9. Attended Two Day national Seminar on Migration in Kerala sponsored by directorate of Collegiate Education, Government of Kerala, organized by Government College Elerithattu
10. Attended National Seminar on “Kasaragod Constituency: Developmental Paradigms”, organized by the honorable Member of Parliament on 20/09/12.

● **M. Anoopkumar**

1. Attended National Seminar on “Building Competitiveness in a Globalised World: Experience of Indias Plantation”, held at CDS, Trivandrum from 23/01/12 to 24/01/12.
2. Attended National Seminar on “Kasaragod Constituency: Developmental Paradigms”, organized by the honorable Member of Parliament on 20/09/12.
3. Attended National Seminar on “FDI and Indias Development Needs”, organised under the joint auspicious of Indian Institute of Parliamentary Affairs and Post Graduate and Research Department of Economics, NSS College for Women, Trivandrum on 26/11/13.
4. Attended National Seminar on “Elementary Statistics for Economic Research”, organised by the Post Graduate Department of Department of Economics, EKNM Govt College, Elerithattu from 08/10/15 to 09/10/15.
5. Attended National Seminar on “Economics of Climate Change: Understanding the Linkage between Economy and Ecology” organised by the Department of Economics, Nehru Arts and Science College, Kanhangad from 18/09/14 to 24/09/14
6. Attended National Conference on “The Marketing of Financial Services: Opportunities and Challenges in the Modern Eon”, organised by the Research and Post Graduate Department of Commerce, Govt. College, Attingal from 25/11/15 to 26/11/15.

**State Level**

● **P. K. Rethesh**

1. Attended Workshop on Using Internet for Applied Development Research version 10. Organized by CDS, Kerala from 28/05/14 to 30/05/14.

**U.6 Department of Hindi**

**Number of Conferences Attended**

**APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND PAPERS PRESENTED**

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. C. Jnaneswari	1	-	-	3	-

**Number of Papers Presented**

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. C. Jnaneswari	-	-	-	3	-

**National Level**

• **Dr. C. Jnaneswari**

1. UGC sponsored National seminar on 23 & 24 January 2014 conducted by Sirsyed College, Taliparamba. Name of paper presented: 'Aaj Bazar Bandh Hai : Dalit Nariyom ka Mukthi Sangharsh'.
2. UGC sponsored National seminar on 13, 14, 15 October 2015 conducted by Govt. Arts and science College, Kozhikode. Name of paper presented: 'Ambikasutan Mangad ki Kahaniyom mein Paristhithik Parivesh'.
3. Two day National seminar on 20 & 21 March 2014 conducted by Payyanur College, Payyanur. Name of paper presented: 'Anamika ki Kavitaon mein sthree chetana'.

**Regional Level**

• **Dr. C. Jnaneswari**

1. Attended a workshop for finalising the syllabus for Hindi UG Programme From 31/12/13 to 01/01/14 conducted by Kannur University.

**U.7 Department of History**

**Number of Conferences Attended**

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. P. Prabhakaran	2	-	-	1	-
V. Kuttyan	2	-	1	3	-
Dr. P. T. Sebastian	6	-	-	5	-
K. K. Sudha	6	-	-	3	1
Dr. K. Jayashree Nair	5	-	-	4	1
Dr. K. S. Sureshkumar	6	-	-	4	1
K. Nandakumar	8	-	3	12	-
Rajeevan C. P.	4	-	-	2	-
Sharafunnisa C. H.	4	-	1	4	-

**Number of Papers Presented**



**APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND PAPERS PRESENTED**

<b>Name</b>	<b>Regional Level</b>	<b>University Level</b>	<b>State Level</b>	<b>National Level</b>	<b>International Level</b>
Dr. K. Jayashree Nair	-	-	-	1	-
K. Nandakumar	1	-	-	2	-
Sharafunnisa C. H.	-	-	-	2	-

**Dr. P. Prabhakaran**

<b>Sl. No.</b>	<b>Level</b>	<b>Course/ Seminar</b>	<b>Univeristy/ Institution</b>	<b>Year</b>
1	Regional	Nationalism, Peasant Movements and Social Change	Nehru Arts & Science College, Kanhangad	23/03/13
2	Regional	Seminar on Local History	Nehru Arts & Science College, Kanhangad	13/10/12
3	National	National Seminar	Nehru Arts & Science College, Kanhangad	30/06/12

**V. Kuttyan**

<b>Sl. No.</b>	<b>Level</b>	<b>Course/ Seminar</b>	<b>Univeristy/ Institution</b>	<b>Year</b>
1	Regional	Nationalism, Peasant Movements and Social Change	Nehru Arts & Science College, Kanhangad	23/03/13
2	Regional	Seminar on Local History	Nehru Arts & Science College, Kanhangad	13/10/12
3	State	AKPCTA Seminar	-	27/07/13
4	National	National Seminar	Nehru Arts & Science College, Kanhangad	30/06/12
5	National	AIFECTO Academic Conference	Chandigarh	Nov 2014
6	National	AIFECTO Seminar on Higher Education	-	Nov 2013

**Dr. P. T. Sebastian**

<b>Sl. No.</b>	<b>Level</b>	<b>Course/ Seminar</b>	<b>Univeristy/ Institution</b>	<b>Year</b>
1	Regional	Nationalism, Peasant Movements and Social Change	Nehru Arts & Science College, Kanhangad	23/03/13
2	Regional	Seminar on Local History	Nehru Arts & Science College, Kanhangad	13/10/12
3	Regional	Two Day Seminar on Archaeology	Nehru Arts & Science College, Kanhangad	13/03/15 - 14/03/15
4	Regional	One Day Seminar on "Tuhfat al-Mujahidin"	Nehru Arts & Science College, Kanhangad	01/10/15

**APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND PAPERS PRESENTED**

<b>Sl. No.</b>	<b>Level</b>	<b>Course/ Seminar</b>	<b>Univeristy/ Institution</b>	<b>Year</b>
5	Regional	One Day Seminar on the “Historiography of Kerala”	Nehru Arts & Science College, Kanhangad	11/10/16
6	Regional	Archives and Archaeological Seminar and Exhibition organized by Kerala State Archives Department and Archaeological Department	Nehru Arts & Science College, Kanhangad	28/01/16
7	National	National Seminar	Nehru Arts & Science College, Kanhangad	30/06/12
8	National	Modernisation and Marginalization : Women in politics and Development	Government College, Trissur	21/11/13 - 23/11/13
9	National	National Seminar on Museum	Thiruvananthapuram	21/04/13 - 23/04/13
10	National	Two Day National Seminar on “New Perspectives on Decentralisation: Youth, Women, Marginalised and Local Level Development”	Nehru Arts & Science College, Kanhangad	09/03/15 - 10/03/15
11	National	National Seminar on “Human Rights Issues of Unorganised Workers on Malabar Region”	Nehru Arts & Science College, Kanhangad	23/02/15 - 24/02/15

**K. K. Sudha**

<b>Sl. No.</b>	<b>Level</b>	<b>Course/ Seminar</b>	<b>Univeristy/ Institution</b>	<b>Year</b>
1	Regional	Nationalism, Peasant Movements and Social Change	Nehru Arts & Science College, Kanhangad	23/03/13
2	Regional	Seminar on Local History	Nehru Arts & Science College, Kanhangad	13/10/12
3	Regional	Two Day Seminar on Archaeology	Nehru Arts & Science College, Kanhangad	13/03/15 - 14/03/15
4	Regional	One Day Seminar on “Tuhfat al-Mujahidin”	Nehru Arts & Science College, Kanhangad	01/10/15
5	Regional	One Day Seminar on the “Historiography of Kerala”	Nehru Arts & Science College, Kanhangad	11/10/16
6	Regional	Archives and Archaeological Seminar and Exhibition organized by Kerala State Archives Department and Archaeological Department	Nehru Arts & Science College, Kanhangad	28/01/16
7	National	National Seminar	Nehru Arts & Science College, Kanhangad	30/06/12
8	National	Two Day National Seminar on “New Perspectives on Decentralisation: Youth, Women, Marginalised and Local Level Development”	Nehru Arts & Science College, Kanhangad	09/03/15 - 10/03/15
9	National	National Seminar on “Human Rights Issues of Unorganised Workers on Malabar Region”	Nehru Arts & Science College, Kanhangad	23/02/15 - 24/02/15

**APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND PAPERS PRESENTED**

Sl. No.	Level	Course/ Seminar	Univeristy/ Institution	Year
10	International	International Seminar	Government Arts and Science College, Meenchanda	07/11/13 - 09/11/13

**Dr. K. Jayashree Nair**

Sl. No.	Level	Course/ Seminar	Univeristy/ Institution	Year
1	Regional	Nationalism, Peasant Movements and Social Change	Nehru Arts & Science College, Kanhangad	23/03/13
2	Regional	Seminar on Local History	Nehru Arts & Science College, Kanhangad	13/10/12
3	Regional	Two Day Seminar on Archaeology	Nehru Arts & Science College, Kanhangad	13/03/15 - 14/03/15
4	Regional	One Day Seminar on “Tuhfat al-Mujahidin”	Nehru Arts & Science College, Kanhangad	01/10/15
5	Regional	One Day Seminar on the “Historiography of Kerala”	Nehru Arts & Science College, Kanhangad	11/10/16
6	Regional	Archives and Archaeological Seminar and Exhibition organized by Kerala State Archives Department and Archaeological Department	Nehru Arts & Science College, Kanhangad	28/01/16
7	National	National Seminar	Nehru Arts & Science College, Kanhangad	30/06/12
8	National	Presented a paper on “Megaliths in Unexplored Regions: An Excuse on Umichipoyil Evidences” in National Seminar on Kerala Megaliths	NSS College, Manjeri	06/06/13 - 08/06/13
9	National	Two Day National Seminar on “New Perspectives on Decentralisation: Youth, Women, Marginalised and Local Level Development”	Nehru Arts & Science College, Kanhangad	09/03/15 - 10/03/15
10	National	National Seminar on “Human Rights Issues of Unorganised Workers on Malabar Region”	Nehru Arts & Science College, Kanhangad	23/02/15 - 24/02/15
11	International	International Seminar	Government Arts and Science College, Meenchanda	07/11/13 - 09/11/13

**Dr. K. S. Sureshkumar**

Sl. No.	Level	Course/ Seminar	Univeristy/ Institution	Year
1	Regional	Nationalism, Peasant Movements and Social Change	Nehru Arts & Science College, Kanhangad	23/03/13

**APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND PAPERS PRESENTED**

<b>Sl. No.</b>	<b>Level</b>	<b>Course/ Seminar</b>	<b>Univeristy/ Institution</b>	<b>Year</b>
2	Regional	Seminar on Local History	Nehru Arts & Science College, Kanhangad	13/10/12
3	Regional	Two Day Seminar on Archaeology	Nehru Arts & Science College, Kanhangad	13/03/15 - 14/03/15
4	Regional	One Day Seminar on “Tuhfat al-Mujahidin”	Nehru Arts & Science College, Kanhangad	01/10/15
5	Regional	One Day Seminar on the “Historiography of Kerala”	Nehru Arts & Science College, Kanhangad	11/10/16
6	Regional	Archives and Archaeological Seminar and Exhibition organized by Kerala State Archives Department and Archaeological Department	Nehru Arts & Science College, Kanhangad	28/01/16
7	National	National Seminar	Nehru Arts & Science College, Kanhangad	30/06/12
8	National	Two Day National Seminar on “New Perspectives on Decentralisation: Youth, Women, Marginalised and Local Level Development”	Nehru Arts & Science College, Kanhangad	09/03/15 - 10/03/15
9	National	National Seminar on “Human Rights Issues of Unorganised Workers on Malabar Region”	Nehru Arts & Science College, Kanhangad	23/02/15 - 24/02/15
10	National	National Seminar Kerala History Congress	Providence College, Kozhikode	Nov. 2014
11	International	International Seminar	Government Arts and Science College, Meenchanda	07/11/13 - 09/11/13

**Nandakumar K.**

<b>Sl. No.</b>	<b>Level</b>	<b>Course/ Seminar</b>	<b>Univeristy/ Institution</b>	<b>Year</b>
1	Regional	Nationalism, Peasant Movements and Social Change	Nehru Arts & Science College, Kanhangad	23/03/13
2	Regional	Seminar on Local History	Nehru Arts & Science College, Kanhangad	13/10/12
3	Regional	Training programme for Global competence and Cultural Commitment	Nehru Arts & Science College, Kanhangad in Association with World Malayalee Council	19/01/13
4	Regional	Two Day Seminar on Archaeology	Nehru Arts & Science College, Kanhangad	13/03/15 - 14/03/15
5	Regional	Presented a Paper on ‘Edu’	Muchilot, Cheruvathur	Feb. 2015

**APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND PAPERS PRESENTED**

<b>Sl. No.</b>	<b>Level</b>	<b>Course/ Seminar</b>	<b>Univeristy/ Institution</b>	<b>Year</b>
6	Regional	One Day Seminar on “Tuhfat al-Mujahidin”	Nehru Arts & Science College, Kanhangad	01/10/15
7	Regional	One Day Seminar on the “Historiography of Kerala”	Nehru Arts & Science College, Kanhangad	11/10/16
8	Regional	Archives and Archaeological Seminar and Exhibition organized by Kerala State Archives Department and Archaeological Department	Nehru Arts & Science College, Kanhangad	28/01/16
9	State	Seminar on Swami Vivekanda	Thiruvananthapuram organized by the Kerala Sports Council	30/01/13
10	State	One Day ANO Workshop	Kozhikode	10/02/15
11	State	One Day Archeological Tour organised by the Kerala State Archaeological Department	Kasaragod District	25/03/15
12	National	National Seminar	Nehru Arts & Science College, Kanhangad	30/06/12
13	National	National Seminar on History	Government College, Kasaragod	01/10/13
14	National	National Seminar on Research Methodology	IRISH, Koothuparamba	21/02/14
15	National	Two Day National Seminar on “New Perspectives on Decentralisation: Youth, Women, Marginalised and Local Level Development”	Nehru Arts & Science College, Kanhangad	09/03/15 - 10/03/15
16	National	National Seminar on “Human Rights Issues of Unorganised Workers on Malabar Region”	Nehru Arts & Science College, Kanhangad	23/02/15 - 24/02/15
17	National	UGC Sponsored National Conference on “Economics of Climate Change: Understanding the Linkage between Economy, Ecology”	Nehru Arts & Science College, Kanhangad	23/09/14 - 24/09/14
18	National	Presented a Paper on “Trends in Population” in Sensus Data Dessimination National Workshop organized Census Department	Kannur	18/11/14
19	National	Presented a Paper on “Culture, Modernity and E-Tourism” in National Seminar	Govinda Pai Memorial College	29/09/14
20	National	ICHR National Seminar	Kannur University	27/10/14
21	National	National Seminar Kerala History Congress	Providence College, Kozhikode	Nov. 2014
22	National	UGC Sponsored National Seminar on “New Trends in Analysis”	Nehru Arts & Science College, Kanhangad	25/09/14 - 26/09/14
23	National	Two Day UGC Sponsored National Seminar on “Data Analysis Using Statistical Software”	Nehru Arts & Science College, Kanhangad	16/10/14 - 17/10/14

**Rajeevan C. P.**

**APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND PAPERS PRESENTED**

<b>Sl. No.</b>	<b>Level</b>	<b>Course/ Seminar</b>	<b>Univeristy/ Institution</b>	<b>Year</b>
1	Regional	Two Day Seminar on Archaeology	Nehru Arts & Science College, Kanhangad	13/03/15 - 14/03/15
2	Regional	One Day Seminar on “Tuhfat al-Mujahidin”	Nehru Arts & Science College, Kanhangad	01/10/15
3	Regional	One Day Seminar on the “Historiography of Kerala”	Nehru Arts & Science College, Kanhangad	11/10/16
4	Regional	Archives and Archaeological Seminar and Exhibition organized by Kerala State Archives Department and Archaeological Department	Nehru Arts & Science College, Kanhangad	28/01/16
5	National	Two Day National Seminar on “New Perspectives on Decentralisation: Youth, Women, Marginalised and Local Level Development”	Nehru Arts & Science College, Kanhangad	09/03/15 - 10/03/15
6	National	National Seminar on “Human Rights Issues of Unorganised Workers on Malabar Region”	Nehru Arts & Science College, Kanhangad	23/02/15 - 24/02/15

**Sharafunnisa C. H.**

<b>Sl. No.</b>	<b>Level</b>	<b>Course/ Seminar</b>	<b>Univeristy/ Institution</b>	<b>Year</b>
1	Regional	Two Day Seminar on Archaeology	Nehru Arts & Science College, Kanhangad	13/03/15 - 14/03/15
2	Regional	One Day Seminar on “Tuhfat al-Mujahidin”	Nehru Arts & Science College, Kanhangad	01/10/15
3	Regional	One Day Seminar on the “Historiography of Kerala”	Nehru Arts & Science College, Kanhangad	11/10/16
4	Regional	Archives and Archaeological Seminar and Exhibition organized by Kerala State Archives Department and Archaeological Department	Nehru Arts & Science College, Kanhangad	28/01/16
5	State	Kerala History Congress	Providence College, Kozhikode	15/11/14 - 17/11/14
6	National	Two Day National Seminar on “New Perspectives on Decentralisation: Youth, Women, Marginalised and Local Level Development”	Nehru Arts & Science College, Kanhangad	09/03/15 - 10/03/15
7	National	National Seminar on “Human Rights Issues of Unorganised Workers on Malabar Region”	Nehru Arts & Science College, Kanhangad	23/02/15 - 24/02/15
8	National	Presented a paper “A Town out of the Ruins of a Rebellion” in Indian History Congress	JNU, Delhi	Dec. 2014
9	National	Presented a paper, “Historical Geography of Manjeri Town, 1800-1947” in South Indian History Congress	Warangal	2015

## U.8 Department of Malayalam

### Number of Conferences Attended

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. M. Ambikasutan	-	-	-	-	1
Dr. Sheeja K. P.	1	-	1	8	1
Dr. Dhanya Keeperi	1	-	4	7	1
Shini V.	-	-	-	6	-
Dhanya Palakkadavath	-	-	3	6	-

### Number of Papers Presented

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. Sheeja K. P.	-	-	-	7	-
Dr. Dhanya Keeperi	-	-	1	6	1
Shini V.	-	-	-	6	-

### International Level

- **Dr. M. Ambikasutan**

1. “Kathaparachilinte Rasathanthram”, Viswamalalayal Sammelanam, Kerala Sam-skarika Vakupp & Kerala Sahithya Academy, Thiruvananthapuram, 2012 Oct 30, 31, Nov. 1

- **Dr. Sheeja K. P.**

1. Attended International Seminar On Marma Applications For Holistic Healing, as Participant, Held At The Quilon Beach Hotel And Convention Centre conducted by Dr. A K Prakasan Gurukkal, Marmashramam Ayurveda Sidda Marma Centre, Kollam, Kerala on 15.12.2015

- **Dr. Dhanya Keeperi**

1. Presented a paper on Theyyam Cultural signs, cultural History. Inter National Seminar on Folklore as Culture Study, Calicut University, Malabar Cristian College and Poorna Publication. 22/10/16.

### National Level

- **Dr. Sheeja K. P.**

1. Attended Workshop On Pali Language And Buddhist Cultures as regular trainee at Dept Of Philosophy, Sanskrit Sahithya And Sanskrith Vyakarana At Sree Sankaracharya University Of Sanskrit Kalady from 16/12/15 to 25/12/15.
2. Presented A paper in Theyyam Kathakalute Prathyaya Sasthram in UGC sponsored National Seminar, Cherukatha: Ezhuthanubhavavum Vayananubhavavum, Dept. Of Malayalam, Krishna Menon Memorial Govt. Womens College, Kannur on 12/08/14 to 13/08/14.

3. Presented A paper On autobiography of transgender UGC sponsored National Seminar, Life of transgender at C A S College Madai, Dept Of English, Pazhayangadi, Kannur held on September 2014
4. Presented A paper Kolathu Nattile Bauddha Charithram UGC National Seminar Interpretation Of History And Culture Revealed In Literature Dept of Malayalam C A S College Madai, Pazhayangadi, Kannur on 24/09/14 to 26/09/14.
5. Presented A paper on Sthree Bhasha : Paurasthya Punaralochana in UGC, National Seminar On Women: Society And Politics at Dept Of Malayalam Govt.College Kasaragod held on 15/10/14 to 16/10/14.
6. Presented A paper on, Lavanyanubhavavum Saundarya anubhoothiyum UGC National Seminar, Saundharya Sasthrum: Siddhanthavum Sameepanavum Post Graduate Dept Of Malayalam And Research Centre, Govt. Brennen College, Dharmadam, Thalassery 06/11/14 to 07/11/14.
7. Presented A Paper, Mundasseriyude Vimarsana Cheruvakal at UGC National Seminar On Vimarshanathinte Rashtreeyam, Dept. Of Malayalam, Krishna Menon Memorial Govt. Womens College, Kannur on 29/07/15 to 31/07/15.
8. Presented a Paper on Thamil women Short stories National Seminar on South Indian Short story held at Post Graduate Dept Of Malayalam And Research Centre, Govt. Brennen College, Thalassery.

● **Dr. Dhanya Keeperi**

1. Presented a paper entitled “e-magazines in Malayalam”- two day National Seminar on Malayalam Web- media. Relevance in the present Scenario sponsored by University Grants Commission and Kerala Institute of Local Administration Organized by the department of Malayalam, Payyanur College on 15/10/12 to 16/10/12.
2. Presented Paper on “Women in folklore titled” Muchilotu Bhagavathi: “Adheesathwathinethireyulla Kalapam” in the folklore National seminar Conducted by Sreesankaracharya University of Sanskrit regional centre Payyanur Dep. Of Malayalam on 18/02/13 to 19/02/13.
3. Presented Paper entitled, “Representation of Women in Mass Media in the two day National seminar on Mass Media and human rights” sponsored by UGC and conducted by Dept. of Political Science, Payyanur College in association with Legal Service Authority, Thaliparamba on 31/01/13 to 01/02/13.
4. Presented a Paper Entitled, “Thadivazhipadu the culture of a Village” in the folklore National seminar conducted by Dept. of Malayalam Sree Sankarachariya University of Sanskrit Regional Centre, Payyanur, Dept. of Malayalam in 2013.
5. Presented a Paper entitled M.T. Krithikalile Desamudrakal in the two day National seminar on “Charithram, Samskaram, Desamudrakal - Sahithyathil” sponsored by UGC, Conducted by dept. of Malayalam co-operative Arts and Science College Madayi on 24/09/14 to 26/09/14.
6. Presented a paper entitled Kadhaprasangathinte Charithra Paschathalam in the two day National seminar on “Classical, Nadodi, Drisyakalalakal” Sponsored by UGC, Conducted by Dept. of Malayalam, Sree Sankaracharya University Regional Centre, Payyanur.



7. Relevance of Theyyam in local history study conducted by Payyannur College and Kerala Folklore Academi. Held on 13/03/12 to 14/03/12.

• **Shini V.**

1. Paper on myth, Mythopeia and literature at Govt. College Kasagod on 06/03/12.
2. Cheermakkavum samoohavum, Kerala Folklore Academi with South Zone cultural centre thanjavoor at Payyannoor College, 14/03/12.
3. Tholkappiya swadheenam Malayala vyakaraNathil: Namathe adhikarichulla Padanam. National seminar on impact of tholkappiam in Malayalam grammar Dr. P K Rajan memorial Campus, Neeleswaram kasaragod Kannur University 16/01/14.
4. Badal karthrwam sadhyathakal sthraina karthrwam aakhyanam, prathinidhanam, rashtreeyam Dr. P K Rajan memorial Campus, Neeleswaram kasaragod Kannur University 10/10/12 to 12/10/12.
5. Dheeratha sankalpam thulu padanayilum vatakkann pattukalilum oru tharathamya padanam. National Seminar on comparative literature and culture Dr. P K Rajan memorial Campus, Neeleswaram Kannur University 30/01/14.
6. Natotiviswasangalute nattariv. At National seminar on intangible Cultural Heritage of South India Dr. P K Rajan memorial Campus, Neeleswaram Kannur University in Collaboration with Indiragandhi Rashtreeya Manav Sangrahalaya, Bhopal, Folkland Trikaripur 12/05/15.

• **Dhanya Palakkadavath**

1. Attended Workshop on Drama and Theatre Studies at Post Graduate Dept. of Malayalam, Govt. Brannan College, Thalassery, 16/12/15 to 17/12/15.
2. Punathil krithikalile Bakshana Drishyangal-Kazhchayum Kazhchapadum Dept. of Malayalam, Govt. College, Madappally, Desam, Ezhuthu, Kala - Punathil Kunhabdullayude Rachana Lokam 07/01/14 to 08/01/14.
3. Parasyangalude Samskarika Padangal at Madhyamam- Samskaram- Samooham Post Graduate Dept. of Malayalam, Govt. Brannan College, Thalassery 16/09/15 to 18/09/15.
4. Human Rights and Malayalam Poetry Post Graduate Dept. of Hindi, Govt. Brannan College, Thalassery Human Rights in Post Independent Hindi poetry 18/11/15 to 20/11/15.
5. Nagarikante Prakriti Notangal-Asha Menonte “Adarunna Kakkakale munnirthyulla Anweshanam”, K.M.M. Govt. Womens College Kannur Yathra-Anubhavam Akhyanam Samskaram Vipanam 24/11/15 to 25/11/15.
6. How old are you - Drishyapadavum Adrishyapadavum Sree Sankaracharya University of Sankrit, Regional Centre Payyanur Classical, Nadodi Drishya kalakal, 08/03/16 .

**State Level**

• **Dr. Sheeja K. P.**

1. Attended Vallathol Kavitha Padana Kalari as participant at Kerala Kalamandalam Deemed To Be University Of Art And Culture Thrissur, Kerala held on 06/05/16 to 08/05/16.

● **Dr. Dhanya Keeperi**

1. The Role of Folklore in the formation of Regional History conducted by the dept. of Malayalam. Payyannur College, Payyanur in collaboration with Kerala Folklore Academy, Kannur. Presented Paper Pradesikacharithra Padanathil Theyyangalude Prasakthi (13, 14 March 2012)
2. Attended the oneday workshop on Youth Empowerment jointly organized by KILA (Kerala Institute of Local Administration) and the departments of Malayalam and Political Science of Payyanur College on Saturday 18th August 2012 at Payyanur College.
3. Attended the seminar on “Education-Industry - Interface - Prospects and Challenges” jointly organized by the Kerala state Higher Education council and the Departments of Malayalam and Commerce on 19/09/12 to 20/09/12 at Payyanur College.
4. Presented a Paper entitled “Adoor Cinemakalile Desam” in the two day seminar on “Malayala Cinema Charithram, Varthamanam” conducted by Department of Malayalam, Sreesankaracharya University Regional Centre, Payyanur in 2014.

● **Dhanya Palakkadavath**

1. Attended Vakkum Varyum-Rekachithranatinte Vinimayangal Dept. of Oriental Languages, Govt. College Mokeri, 06/01/16 to 07/01/16.
2. Attended Kalahikkunna Sargathmakatha Dept. of Malayalam and Kerala Studies University of Calicut 08/02/16 to 09/02/16.
3. Attended Workshop on Kadathanadan Vamozhi Vazhakkangal at Dept. of Oriental Languages, Govt. College Mokeri, Jan. 2015

**Regional**

● **Dr. Sheeja K. P.**

1. Attended One day Workshop For Re-Structuring UG Curriculum In Malayalam conducted by The Board Of Studies, Malayalam (UG) Kannur University & The Kerala State Higher Education Council on 07/12/13.

● **Dr. Dhanya Keeperi**

1. Participated in the one day workshop for Re- Structuring UG Curriculum in Malayalam Organized by the Board of Studies, Malayalam (UG) in association with the Kerala state Higher Education Council at Kannur University on 07/12/13.

**U.9 Department of Mathematics**

**Number of Conferences Attended**

APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND  
PAPERS PRESENTED

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. Dinesh T.	-	-	-	4	-
Dr. Reeja P. V.	1	-	1	4	-
Sajitha K. M.	-	-	2	4	-

**National Level**

• **Dr. Dinesh T.**

1. Attended National Seminar on Number Theory and its Applications at K.K.T.M. Government College, Pullut, Thrissur District on 10/12/12 and 11/12/12.
2. Attended UGC sponsored National Seminar on “New Trends in Analysis” from 26/09/14 to 27/09/14 organized by the Department of Mathematics, Nehru Arts and Science College.
3. Attended National Workshop on Topology organized by the Department of Mathematics, University of Calicut from 21/03/16 to 22/03/16.
4. Attended the UGC National Seminar on Topology and Analysis organized by the Department of Mathematical Sciences, Kannur University, Mangattuparamba, on 25/11/16.

• **Dr. Reeja P. V.**

1. Attended a workshop on Applied Analysis at Department of Mathematics, Central University of Kerala from 21/02/13 to 23/02/13.
2. Attended UGC sponsored National Seminar on “New Trends in Analysis from 26/09/14 to 27/09/14 organized by the Department of Mathematics, Nehru Arts and Science College.
3. Attended UGC sponsored National Workshop on Data Analysis using Statistical Software organized by the Department of Statistics, Nehru Arts and Science College, Kanhangad from 16/10/14 to 17/10/14.
4. Attended National Seminar on Functional Analysis at Government College, Kasaragod from 16/12/15 to 17/12/15.

• **Sajitha K. M.**

1. Attended a National Seminar on Ramanujans Delightful Pursuits at Government College, Kasaragod from 01/11/12 to 02/11/12.
2. Attended one day National Seminar on Topology and Geometry at Thunchan Memorial Government College, Tirur on 11/10/13.
3. Attended UGC sponsored National Seminar on “New Trends in Analysis from 26/09/14 to 27/09/14 organized by the Department of Mathematics, Nehru Arts and Science College.
4. Attended UGC sponsored National Workshop on Data Analysis using Statistical Software organized by the Department of Statistics, Nehru Arts and Science College, Kanhangad from 16/10/14 to 17/10/14.

### State Level

- **Dr. Reeja P. V.**

1. Attended the DCE organized Capacity Building Residential Workshop for Co-ordinators of Scholar Support Programme in Government/Aided Colleges on 03/11/16 and 04/11/16 at Socio Religions Centre, Malaparamba, Kozhikode.

- **Sajitha K. M.**

1. Attended workshop on “Academic Writing and Publishing” organized by the Kerala State Higher Education Council at Thiruvananthapuram from 24/03/15 to 25/03/15.
2. Attended the DCE organized Capacity Building Residential Workshop for Co-ordinators of Scholar Support Programme in Government/Aided Colleges on 03/11/16 and 04/11/16 at Socio Religions Centre, Malaparamba, Kozhikode.

### Regional Level

- **Dr. Reeja P. V.**

1. Attended one day workshop for finalizing the syllabus for UG and PG programmes under CCSS at Kannur University, Mangattuparamba on 03/12/13.

## U.10 Department of Physics

### Number of Conferences Attended

Name	Regional Level	University Level	State Level	National Level	International Level
Anitha K. B.	4	-	-	1	-
Dr. K. M. Udayanandan	3	-	-	1	-
Sidharthan P. V.	3	-	-	1	-
Dr. R. K. Sathish	4	-	1	3	-
Dr. K. V. Murali	3	-	-	10	-
Dr. K. Naseema	4	-	-	4	-
Neena Raman	4	-	-	1	-
R. Rameshkumar	3	-	-	1	1
Sathyan T. V.	4	-	-	2	-

### Number of Papers Presented

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. K. Pradeepkumar	-	-	-	1	-
Dr. K. M. Udayanandan	-	-	1	4	-
Dr. R. K. Sathish	-	-	2	4	-
Dr. K. V. Murali	-	-	-	6	-
Dr. K. Naseema	-	-	-	1	-
Sathyan T. V.	-	-	-	2	-

### International Level

- **R. Rameshkumar**

1. Pre ICORS International Workshop on Raman Spectroscopy: Recent Advances, Techniques and Applications organized by KSCSTE (2012)

### National Level

- **Anitha K. B.**

1. National Seminar on “Frontiers in Materials Science” organized by the PG Department of Physics, NAS College Kanhangad on 15/02/16.

- **Dr. K. M. Udayanandan**

1. National Seminar on “Frontiers in Materials Science” organized by the PG Department of Physics, NAS College Kanhangad on 15/02/16.

- **Sidharthan P. V.**

1. National Seminar on “Frontiers in Materials Science” organized by the PG Department of Physics, NAS College Kanhangad on 15/02/16.

- **Dr. R. K. Sathish**

1. UGC sponsored National conference on Emerging trends in theoretical & experimental physics organized by Dept. of Physics, Farook College on 26/09/12 to 27/09/12.
2. National seminar on Recent trends in Photonics organized by CUSAT & IAPT on 02/11/12 to 04/11/12.
3. National seminar on physics and evolution of technology in 21<sup>st</sup> century, organized by DAE, KSCSTE, Dept. of Physics, University of Calicut, Dept. of Physics, Zamorin’s Apocryphalness College

- **Dr. K. V. Murali**

1. National Seminar on “Frontiers in Materials Science” organized by the PG Department of Physics, NAS College Kanhangad on 15/02/16.
2. Indian Nanoelectronics Users’ Programme (INUP) Familiarization Workshop on Nanofabrication Technologies, IIT Bombay, Mumbai, 16-18 December 2015 (Project of DeitY, MCIT, Govt. of India)
3. National seminar on Advanced Materials and their applications, Aquinas College, Edakochi, Kerala, 10-11 September 2015 (UGC)
4. National Conference on Emerging Methods in Nanotechnology (Nano Chem-2015), Pazhassi Raja NSS College, Mattanur, Kannur, Kerala, 17-18 September 2015 (UGC)
5. National Seminar on Optics and Photonics (NSOP-2015), Payyanur College, Payyanur, 6-7 August 2015 (KSCSTE)

6. Workshop on Spectroscopy: Instrumentation and Applications, Dept. of Physics-School of Nano Science and Technology, National Institute of Technology Calicut, 11 January 2014
7. National Seminar on Polymers - Plural Thoughts over the Boons and Bans, Nehru Arts and Science College, Kanhangad, 6-7 February 2014 (Kerala State Council for Science, Technology and Environment (KSCSTE))
8. National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014 (UGC)
9. National Workshop on Data Analysis using Statistical Software, Nehru Arts and Science College, Kanhangad, 16-17 October 2014 (UGC)
10. National Seminar on Current Trends in Materials Science, Aquinas College, Edakochi, Kerala 13-14 August 2014 (UGC)

● **Dr. K. Naseema**

1. National Seminar on “Recent Trends in condensed matter physics” conducted by the Physics department, Government Brennen College, Tellicherry on 25/01/13.
2. National Colloquim on Hundred Years of Crystallography held at the Kannur University, Thalassery Campus, Palayad on 23/03/15.
3. National Seminar on “Optics and Photonics” organized by the Department of Studies and research in Physics, Payyannur College on 6th and 07/08/15.
4. National Seminar on “Frontiers in Materials Science” organized by the PG Department of Physics, NAS College Kanhangad on 15/02/16.

● **Neena Raman**

1. National Seminar on “Frontiers in Materials Science” organized by the PG Department of Physics, NAS College Kanhangad on 15/02/16.

● **R. Rameshkumar**

1. National Seminar on “Frontiers in Materials Science” organized by the PG Department of Physics, NAS College Kanhangad on 15/02/16.

● **Sathyan T. V.**

1. National Seminar on “Frontiers in Materials Science” organized by the PG Department of Physics, NAS College Kanhangad on 15/02/16.
2. National Seminar on “Optics and Photonics” organized by the Department of Studies and research in Physics, Payyannur College on 06/08/15 to 07/08/15.

**State Level**

● **Dr. R. K. Sathish**

1. 25<sup>th</sup> Kerala science congress 29/01/13 to 01/02/13 at Technopark, Thiruvananthapuram

**Regional Level**

• **Anitha K. B.**

1. Resource Sharing Workshop on Quantum Mechanics at Nehru Arts and Science College, Kanhangad, 4-5 and 8 March 2016.
2. A workshop on “Mathematical Physics” sponsored by KSCSTE, Kerala at Nehru Arts and Science College from 11/02/15 to 13/02/15.
3. One day seminar on “Astronomy” in association with Astro Payyannur and KSC-STE at Nehru Arts and Science College on 01/10/15.

• **Dr. K. M. Udayanandan**

1. Resource Sharing Workshop on Quantum Mechanics at Nehru Arts and Science College, Kanhangad, 4-5 and 8 March 2016.
2. A workshop on “Mathematical Physics” sponsored by KSCSTE, Kerala at Nehru Arts and Science College from 11/02/15 to 13/02/15.
3. One day seminar on “Astronomy” in association with Astro Payyannur and KSC-STE at Nehru Arts and Science College on 01/10/15.

• **Sidharthan P. V.**

1. Resource Sharing Workshop on Quantum Mechanics at Nehru Arts and Science College, Kanhangad, 4-5 and 8 March 2016.
2. A workshop on “Mathematical Physics” sponsored by KSCSTE, Kerala at Nehru Arts and Science College from 11/02/15 to 13/02/15.
3. One day seminar on “Astronomy” in association with Astro Payyannur and KSC-STE at Nehru Arts and Science College on 01/10/15.

• **Dr. R. K. Sathish**

1. Resource Sharing Workshop on Quantum Mechanics at Nehru Arts and Science College, Kanhangad, 4-5 and 8 March 2016.
2. A workshop on “Mathematical Physics” sponsored by KSCSTE, Kerala at Nehru Arts and Science College from 11/02/15 to 13/02/15.
3. One day seminar on “Astronomy” in association with Astro Payyannur and KSC-STE at Nehru Arts and Science College on 01/10/15.
4. Regional conference on centenary of Bohr atom model organized by IAPT & Regional science center, Calicut on November 6-7, 2013

• **Dr. K. V. Murali**

1. Resource Sharing Workshop on Quantum Mechanics at Nehru Arts and Science College, Kanhangad, 4-5 and 8 March 2016.
  2. A workshop on “Mathematical Physics” sponsored by KSCSTE, Kerala at Nehru Arts and Science College from 11/02/15 to 13/02/15.
  3. One day seminar on “Astronomy” in association with Astro Payyannur and KSC-STE at Nehru Arts and Science College on 01/10/15.
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• **Dr. K. Naseema**

1. Special lectures on “Thermal analysis and NMR spectroscopy” conducted by the School of Chemical Sciences, Kannur University on 29/11/12.
2. Science Academies’ lecture workshop on Recent advances in Materials Science at Payyannur college, during 24-25 June, 2013.
3. Workshop on restructuring credit based MSc programme at Sir syed college, Tali-paramba on 15/02/14.
4. Capacity building workshop for Coordinators and Internal mentors of the Walk With a Scholar Programme of the Department of Collegiate Education, Government of Kerala, held at NAS College Kanhangad on 02/02/16.

• **Neena Raman**

1. Resource Sharing Workshop on Quantum Mechanics at Nehru Arts and Science College, Kanhangad, 4-5 and 8 March 2016.
2. A workshop on “Mathematical Physics” sponsored by KSCSTE, Kerala at Nehru Arts and Science College from 11/02/15 to 13/02/15.
3. One day seminar on “Astronomy” in association with Astro Payyannur and KSC-STE at Nehru Arts and Science College on 01/10/15.
4. KSCSTE Sponsored Workshop on “Nonlinear Optics” held on 09/03/12 at NAS College, Kanhangad

• **R. Ramesh Kumar**

1. Resource Sharing Workshop on Quantum Mechanics at Nehru Arts and Science College, Kanhangad, 4-5 and 8 March 2016.
2. A workshop on “Mathematical Physics” sponsored by KSCSTE, Kerala at Nehru Arts and Science College from 11/02/15 to 13/02/15.
3. One day seminar on “Astronomy” in association with Astro Payyannur and KSC-STE at Nehru Arts and Science College on 01/10/15.

• **Sathyan T. V.**

1. One day orientation programme on Anti Plagiarism, Kannur University, 22/06/2016
2. Resource Sharing Workshop on Quantum Mechanics at Nehru Arts and Science College, Kanhangad, 4-5 and 8 March 2016.
3. A workshop on “Mathematical Physics” sponsored by KSCSTE, Kerala at Nehru Arts and Science College from 11/02/15 to 13/02/15.
4. One day seminar on “Astronomy” in association with Astro Payyannur and KSC-STE at Nehru Arts and Science College on 01/10/15.

**Papers Presented**

**National Level**

• **Dr. Pradeepkumar K.**



1. Pradeep Kumar. K, Synthesis of Superheavy Elements in the proceedings of the DAE Symposium on Nuclear Physics, Delhi, India Vol 57 (2012) P 314.

● **Dr. K. M. Udayanandan**

1. R. K. Sathish, K.M. Udayanandan, A. Augustine et. Al-Statistical mechanics of a simple quantum system. 97 th Indian science congress, January 3-7, 2010 at Thiruvananthapuram. Proceedings of physical science (pp-110)
2. R. K. Sathish, K.M. Udayanandan - Gibbs paradox for harmonic oscillators, Proceedings of UGC sponsored National conference on emerging trends in theoretical & experimental physics, (pp-5) organized by Dept. of Physics, Farook College, on Sept.26-27, 2012
3. R. K. Sathish, K. M. Udayanandan- Extensivity of entropy in Grand canonical ensemble for classical harmonic oscillators, Proceedings of National seminar on Recent trends in in photonics, organized by CUSAT & IAPT on November 2-4, 2012
4. K. M. Udayanandan, R. K. Sathish et.al - Phantom harmonic oscillators [Proceedings of National seminar on physics and evolution of technology in 21 st century, organized by DAE, KSCSTE, Dept. of Physics, University of Calicut, Dept. of Physics, Zamorin's Apocryphalness College, Calicut. Pp (24-27)

● **Dr. R. K. Sathish**

1. R. K. Sathish, K.M. Udayanandan, A. Augustine et. Al-Statistical mechanics of a simple quantum system. 97 th Indian science congress, January 3-7, 2010 at Thiruvananthapuram. Proceedings of physical science (pp-110)
2. R. K. Sathish, K.M. Udayanandan - Gibbs paradox for harmonic oscillators, Proceedings of UGC sponsored National conference on emerging trends in theoretical & experimental physics, (pp-5) organized by Dept. of Physics, Farook College, on Sept.26-27, 2012
3. R. K. Sathish, K. M. Udayanandan- Extensivity of entropy in Grand canonical ensemble for classical harmonic oscillators, Proceedings of National seminar on Recent trends in in photonics, organized by CUSAT & IAPT on November 2-4, 2012
4. K. M. Udayanandan, R. K. Sathish et.al - Phantom harmonic oscillators [Proceedings of National seminar on physics and evolution of technology in 21 st century, organized by DAE, KSCSTE, Dept. of Physics, University of Calicut, Dept. of Physics, Zamorin's Apocryphalness College, Calicut. Pp (24-27)

● **Dr. K. V. Murali**

1. K. V. Murali, T. L. Remadevi, "Characterisation of polycrystalline tin oxide thin films prepared by SILAR", National seminar on Advanced Materials and their applications, Aquinas College, Edakochi, Kerala, 10-11 September 2015
2. K. V. Murali, T. L. Remadevi, "Zinc oxide films with nanoflake morphology synthesized by wet chemical method SILAR", National Seminar on Current Trends in Materials Science, Aquinas College, Edakochi, Kerala 13-14 August 2014, 182-189
3. K. V. Murali, T. L. Remadevi, "Electrical, optical and porosity studies of wet chemical synthesized zinc oxide films", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 218-225

4. Maya P. T., Sruthi T., Sathyan T. V., K. V. Murali, T. L. Remadevi, "Nanostructured semiconducting zinc oxide thin films with nanoflower morphology synthesized by two-step chemical method", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 106-113
5. Neethu K., Athira M., Naseema K., K. V. Murali, T. L. Remadevi, "Characterization of zinc oxide films synthesized by SILAR and CBD using zinc nitrate-zinc acetate baths with triethanolamine", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 115-124
6. Vidya Lohi, Sruthi.T, Sathyan T. V., K. V. Murali, T. L. Remadevi, "Fabrication of mesoporous nanosheets of zinc oxide using two-step chemical methods", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 125-132

• **Dr. K. Naseema**

1. Neethu K., Athira M., Naseema K., K. V. Murali, T. L. Remadevi, "Characterization of zinc oxide films synthesized by SILAR and CBD using zinc nitrate-zinc acetate baths with triethanolamine", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 115-124

• **Dr. K. Naseema**

1. Maya P. T., Sruthi T., Sathyan T. V., K. V. Murali, T. L. Remadevi, "Nanostructured semiconducting zinc oxide thin films with nanoflower morphology synthesized by two-step chemical method", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 106-113
2. Vidya Lohi, Sruthi.T, Sathyan T. V., K. V. Murali, T. L. Remadevi, "Fabrication of mesoporous nanosheets of zinc oxide using two-step chemical methods", National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 125-132

**State Level**

• **Dr. K. M. Udayanandan**

1. R. K. Sathish, K. M. Udayanandan- A study of the nature of the entropy of classical and quantum oscillators in Grand canonical ensembles, Proceedings of the 25 th Kerala science congress, pp(459-461)

• **Dr. R. K. Sathish**

1. R. K. Sathish, A. Augustine- Extra dimensions in physics, Regional conference on centenary of Bohr atom model, organized by IAPT & Regional science center, Calicut on November 6-7, 2013. Reported in IAPT Bulletin, Vol.6 No.1, January 2014, pp(13-15).

2. R. K. Sathish, K. M. Udayanandan- A study of the nature of the entropy of classical and quantum oscillators in Grand canonical ensembles, Proceedings of the 25 th Kerala science congress, pp(459-461).

## U.11 Department of Political Science

### Number of Conferences Attended

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. M. Muralidharan Nambiar	-	-	-	6	-

### Number of Papers Presented

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. M. Muralidharan Nambiar	-	-	-	5	-

### National Level

#### • Dr. M. Muralidharan Nambiar

1. Presented a Paper entitled “Mass Media and Human Rights” in the National Seminar held at Payyannur College Payyannur during 31st January to 01/02/13.
2. Presented a paper entitled “Human Rights Violations and Beedi Workers in North Malabar” organized by Association of Political Scientists-Kerala at Govt.College, Kottayam during 5-6 February 2014.
3. Presented a paper entitled Role of Media and Politicisation of Beedi Workers in North Malabar in the National Seminar organized by the Department of Political Science, E.K. Nayanar Memorial Government College Elerithattu, Kasaaragod on 09/10/14.
4. Presented a paper entitled “Human Right Issues of Beedi Workers in Malabar Region” in the UGC Sponsored National Seminar on Human Rights Issues of Unorganized Workers in Malabar Region held at NAS College Kanhangad during 23-24th January 2015 .
5. Presented a paper entitled “The Crisis of Beedi Industry in the Globalized Era” in the National Seminar on Democracy, Development and Globalization- Perspective and Experience organized by All Kerala Political Science Association at Govt. College, Madappally during 30-31 January 2015 Seminar.
6. Participated in Three day National Seminar on Globalisation, Governance And Development: Experience of South Indian States, Organized by the Department of Political Science, University of Kerala, Thiruvananthapuram during 23-25 March 2012.

## U.12 Department of Sanskrit

### Number of Conferences Attended

Name	Regional Level	University Level	State Level	National Level	International Level
A. P. Anu	1	-	-	2	1

### Number of Papers Presented

Name	Regional Level	University Level	State Level	National Level	International Level
A. P. Anu	1	-	-	1	-

### International Level

- **A. P. Anu**

1. International Seminar on Folklore as Culture Study, Calicut University, Malabar Cristian College and Poorna Publication. 22/10/16

### National Level

- **A. P. Anu**

1. National workshop on Research Methodology in Social Science, Humanities & Language 21-25 May 2012.
2. Presented a paper "Saivism - Significance to Kasmir Saivism at UGC National Seminar on Vedanta Philosophy dated 13, 14 and 15th January 2014 in Collaboration with Sukritindra Oriental Research Institute Eranakulam under the Auspices of University Grants commission SWRO Bangalore Department of Vedanta

### Regional Level

- **A. P. Anu**

1. Presented paper on Cultural relevance of Poorakkali at the Department of Malayalam, Kannur University in Collaboration with Natyathnam Kannan Pattali Smaraka Kathakali Trust Panayal, Kasaragod.

## U.13 Department of Zoology

### Number of Conferences Attended

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. Supriya N. T.	-	-	1	4	-
Saraniya Pradeep	-	-	1	9	-
Anoja K. S.	-	-	1	7	1

**Number of Papers Presented**

Name	Regional Level	University Level	State Level	National Level	International Level
Dr. Syama V. P.	-	-	-	2	-
Dr. Supriya N. T.	-	-	-	4	-
Saraniya Pradeep	-	-	-	2	-
Anoja K. S.	-	-	-	2	-

**International Level**

• **Anoja K. S.**

1. International seminar on Biodiversity Conservation conducted by Mary Matha Arts and Science College Mananthavady.

**National Level**

• **Dr. Supriya N. T.**

1. National Seminar on Water for all, Celebration of water day-2016 held at Central University of Kerala, Kasaragod on 22/03/16
2. Aqua'16, two day National Seminar on Aquaculture organized by Department of Zoology, NASC and co-sponsored by KSCSTE, 10-11 March 2016
3. Two day national seminar on Climate Change- Challenges and Solutions held at the Department of Botany, Sponsored by KSCSTE from 22 to 23 February 2016
4. National Workshop on Statistical Software Used in data analysis conducted by Department of statistics, NAS College Kanhangad on 16/10/14

• **Saraniya Pradeep**

1. National Seminar on Water for all, Celebration of water day-2016 held at Central University of Kerala, Kasaragod on 22/03/16
2. Aqua'16, two day National Seminar on Aquaculture organized by Department of Zoology, NASC and co-sponsored by KSCSTE, 10-11 March 2016
3. Two day national seminar on Climate Change- Challenges and Solutions held at the Department of Botany, Sponsored by KSCSTE from 22 to 23 February 2016
4. National Colloquim on "Hundred Years of Crystallography" organized by "Inter University Centre for Bioscience (IUCB)" and "Department of Biotechnology and Microbiology, Kannur University" sponsored by KSCSTE on 23/03/15.
5. Participated in a UGC sponsored National workshop on "Data analysis using statistical software" held at Department of Statistics, NAS college, Kanhangad on 16/10/14.
6. National Seminar on "Bioconservation as an investment", held at Zoology Department, Govt. Brennen College, Thalassery on 15th and 16th December 2014
7. National Seminar on "Biodiversity-New Pastures with Better Perspectives" held at Govt. Brennen College, Thalassery on 15/02/13.

8. Participated in a National Seminar on “Recent Trends in Molecular Biology” held at Govt. College, Madapally on 12/12/12.
9. Participated in a “Short term training programme in Analytical Instrumentation” jointly organized by “The Advanced Centre of Environmental Studies and Sustainable Development(ACESSD) and Inter University Instrumentation Centre, M.G.University, Kottayam” held during 12/09/12 to 14/09/12.

• **Anoja K. S.**

1. National Seminar on Water for all, Celebration of water day-2016 held at Central University of Kerala, Kasaragod on 22/03/16
2. Aqua’16, two day National Seminar on Aquaculture organized by Department of Zoology, NASC and co-sponsored by KSCSTE, 10-11 March 2016
3. National Workshop on Statistical Software Used in data analysis conducted by Department of statistics, NAS College Kanhangad on 16/10/14.
4. National seminar on “Biodiversity: conservation and management with special reference to western ghats” conducted by Department of Zoology, Kannur University Mananthavady Campus Wayanad, sponsored by UGC
5. A national workshop on “Virtual Biology Lab:Technological Alternatives For Animal Dissection In Basic Zoological learning & The Grand Confluence: An Interdisciplinary Dialogue Between Life Science And Literature conducted by Post Graduate and Research Department of Zoology, Govt. College Madapally.
6. National seminar on faunal diversity of kerala conducted by PRNSS College mattannur
7. National level conference on techniques in biology conducted by Mary Matha Arts and Science College Mananthavady

**State Level**

• **Dr. Supriya N. T.**

1. Workshop on Research Methodology conducted by Swashraya Bharath 2014 organized by Swadeshi Science Movement, Kerala on 17/10/14

• **Saraniya Pradeep**

1. Workshop on Research Methodology conducted by Swashraya Bharath 2014 organized by Swadeshi Science Movement, Kerala on 17/10/14

• **Anoja K. S.**

1. Workshop on Research Methodology conducted by Swashraya Bharath 2014 organized by Swadeshi Science Movement, Kerala on 17/10/14

**Research Papers Presented in Seminars**

• **Dr. Syama V. P.**

1. Syama V. P. and Anilkumar G. 2013. "Ultra structural study of mandibular organ of the mangrove crab, *Sesarma quadratum*" Proceedings of the UGC sponsored Biological Conference 2013, organized by the Department of Zoology, University of Calicut on March 14th, 2013
2. Syama V.P. and Anilkumar G. 2014. Oocyte synthetic machinery in the mangrove crab, *Sesarma quadratum* (Decapoda: Brachyura): an ultrastructural study, in the proceedings of UGC Sponsored State level Seminar on "Technological Advances in Modern Biology" held on 13-14, March, 2014 at PG Department of Zoology and Research Centre, Sree Narayana College Kannur

• **Dr. Supriya N. T.**

1. Supriya N. T., K. Sudha and G. Anilkumar. 2016. "Influence of Lunar rhythm on the programming of moult and reproduction in two brachyuran crabs inhabiting North Malabar region, Kerala". In the proceedings of National Conference on Prospects and Perspectives in Aquaculture organized by Kongunadu Arts and Science College, Coimbatore on 16.02.2016
2. Supriya N. T., K. Sudha and G. Anilkumar. 2014. "Serum ecdysteroid titre in a highly fecund brachyuran crab *Uca triangularis* (Crustacea: Decapoda) under eyestalk ablation". In the proceedings of Seminar on Technological Advances in Modern Biology, Held at Sree Narayana College, Kannur, Kerala During March 13-14, 2014
3. Supriya N. T., K. Sudha and G. Anilkumar. 2013. "Influence of salinity on the programming of moult and reproduction in the Brachyuran crab, *Uca triangularis* in different seasons" In the proceedings of "Biological Conference 2013", held at The Department of Zoology, University of Calicut, Kerala, India during March 11-13, 2013
4. Supriya N. T. Synchrony between the ovarian stages and embryogenesis in a Brachyuran crab *Uca triangularis* (Family: Ocipodidae). In the proceedings of Aqua16, two day National Seminar on Aquaculture organized by Department of Zoology, NASC and co-sponsored by KSCSTE, 10-11 March 2016

• **Saraniya Pradeep**

1. Saraniya Pradeep, 2014. "The effect of climate change on insect pests" in the proceedings of UGC sponsored national conference on Economics Of Climate Change: Understanding the Linkage Between Economics And Ecology conducted by Department of Economics on 18/09/14
2. Saraniya Praeep, 2016. "Some common parasites of pearl oysters" Paper published in the proceedings of Aqua16, two day National Seminar on Aquaculture organized by Department of Zoology, NASC and co-sponsored by KSCSTE, 10-11 March 2016

• **Anoja K. S.**

1. Anoja K.S., 2014. "The effect of climate change on insect pests" in the proceedings of National Conference on Economics of Climate Change: Understanding the Linkage between Economics and Ecology organized by Department of Economics 2014

APPENDIX U. LIST OF WORKSHOPS/CONFERENCES/SEMINARS ATTENDED AND  
PAPERS PRESENTED

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2. Anoja K.S., 2015. "Parasites as indicators of aquatic pollution" in the proceedings of the two day national seminar on aquaculture organized by Department of Zoology, NASC and co-sponsored by KSCSTE, March 10-11, 2016



## Appendix V

### Activities of the Net Coaching Centre

The coaching centre for NET/SET/ to SC/ST/ Minorities conducted 48 coaching classes of different PG Course's minority students for UGC net examination during the period. Eminent faculties from outside and in the college were handled the sessions, the highlighted features of the programme is majority of students attending the classes belongs to the minority group from in and outside the college. All the classes were conducted during the off days and holidays. Student from different parts of the district attend the classes. The coaching classes mainly given to Physics, Statistics, History, English and Commerce Disciplines. There are 14 students in Commerce, 3 from English, 3 from physics and 3 from history got NET during the period. The details of the students listed below.

Sl. No.	Name	Year	Subject
1	Reshma H. G.	Dec. 2015	Commerce
2	Rudheesh R. A.	Dec. 2015	Commerce
3	Dhanya	Dec. 2015	Commerce
4	Remya B.	Dec. 2015	Commerce
5	Amrutha G. K.	Jun. 2016	Commerce
6	Sreelakshmi M. G.	Jun. 2016	Commerce
7	Aparna K.	Jun. 2016	Commerce
8	Amrutha R.	Jun. 2016	Commerce
9	Deepa C. S.	Jun. 2016	Commerce
10	Sumayya T. K	Dec. 2015	Commerce
11	Rachana	Dec. 2014	Commerce
12	Rijith Lal	Dec. 2015	Commerce
13	Supreeth	Dec. 2013	Commerce
14	Savitha P. V.	Dec. 2013	Commerce
15	Prasanth Kumar	Jun. 2016	History
16	Rajkishor	Jun. 2016	Physics
17	Ardra	Jun. 2014	English
18	Varalakshmi	Jun. 2014	English
19	Rasna	Dec. 2013	English
20	Shyma K	Dec. 2013	English
21	Sujith Janardhanan	Dec. 2013	English
22	Remya K P	Dec. 2014	English

## Appendix W

# Walk With A Scholar & Scholar Support Programme

### W.1 Walk With A Scholar

#### W.1.1 2014-15

The Walk with a scholar scheme aims at giving necessary orientation to needy students, to prepare them for employment and give them necessary guidance, motivation and necessary mental support to identify appropriate areas for higher studies as well as employment. 30 students are registered as mentees of the walk with scholar programme

- Coordinator: Dr K M Udayanandan

- Mentors

- Dr. K. Rajan
- Dr. V. P. Syama
- Dr. M. Muralidharan Nambiar
- Dr. K. Jayasree Nair
- Dr. Suresh Kumar K

1. The first external mentor programme was conducted by Dr. Arun Kumar Dept of Politics, University College, Thiruvananthapuram on 23-01-2015
2. On 18-2-2015 Mr A. R. Vinod, a national trainer on motivational & soft Skills who had conducted more than 250 training programs for students on “Self analysis, Career choices, Leadership & Communication skills”, conducted a training programme on Communication skills, Team Skills, Study Skills and Inter-personal skills. Mr Vinod had conducted more than 150 training programs for Undergraduates, Students at IIT Delhi, NIT’s, Medical and other professional Colleges. He had conceptualised and conducted programs on Team Building, Time Management & Inter-personal skills for “Architectural firms” and Indian Dental Association.
3. On 20-02-2015 Mr Jeevan Babu, Sub collector, Kasaragod took a class on myths and wrong notions about Civil Services Interview. Civil Services, as a dream career had attracted a lot of WWS mentees. The subcollector who had qualified both IPS and IAS tried to clear myths, phobias and fears surrounding Civil Service interview. Students actively participated asking a large number of questions.
4. On 27-03-15 the fourth external mentor programme was conducted by O Jayarajan Asst Conservator of Forest (Rtd) who was an IFS officer. He was the recipient of Dr Salim Ali National Wild Life Fellowship award in 2005. He talked about water conservation, tree conservation and all the students actively participated in the programme.

## W.1.2 2015-16

- Coordinator: Dr K M Udayanandan
- Mentors (II Year)
  - Dr. K. Rajan
  - Dr. V. P. Syama
  - Dr. M. Muralidharan Nambiar
  - Dr. K. Jayasree Nair
  - Dr. Suresh Kumar K
- Mentors (I Year)
  - Dr.K.Naseema
  - Mrs.P.V.Deepthi
  - Mrs.N.G.Salini
  - Mr.V.Vijayakumar
  - Mr.P.K.Ratheesh

30 students are registered as mentees of the walk with scholar programme for I year and 30 students for II year.

### Programmes

1. A cluster workshop on Capacity building for internal Mentors/coordinators has been conducted at Nehru Arts and Science College, Kanhangad on 02/02/2016 sponsored by Dept. of higher education, Govt. of Kerala.  
Dr. K. M. Udayanandan, Coordinator WWS Nehru College Kanhangad delivered the welcome speech. Dr. K. PradeepKumar, Principal, Nehru College gave the presidential address. First session of the one day workshop was handled by Dr. V. M. Santhosh, Associate Professor of English, Payyanur College and a National trainer. In the lecture on Mentoring - Concept and Practice he gave a detailed description on role of mentors, why youth need mentors and who is an effective mentor. Second session on “The Power of The Spoken word” was by Mrs. Preetha Varma Regional Manager S B Educational Resources. She explained how the communication expresses the personality and improvisation of the soft skills. The total number of participants were 21.
2. In external mentoring programme on 15/02/16 by Dr. T. P. Sasikumar, a famous trainer, conducted 5 hour programme on personality development.
3. An external mentoring was done in collaboration with ED club. 2 entrepreneurs were invited and students were introduced to them and the entrepreneurs gave some motivational talks also.
4. Motivational visit to IIT Chennai on 17/03/16.

## W.2 Scholar Support Programme

The Scholar Support Programme (SSP) aims at extending personalized additional support to students in the selected subjects included in the curriculum through Tutorials, study materials, additional lectures, question banks and interactive sessions for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> semesters. This programme is implemented by New Initiatives in Higher Education, Directorate of Collegiate education.

Our college started the Scholar Support Programme (SSP) during the academic year 2015-16 and continuing in the current academic year (2016-17). Sidharthan P. V., Associate Professor, Department of Physics was the coordinator for the year 2015-16 and Dr. Reeja P. V., Asst. professor, Dept. of Mathematics is the current co-ordinator.

In 2015-2016, 50 students were selected from the first Semester Undergraduate students and 5 subjects - English, Mathematics, Chemistry, Commerce and Physics - were selected according to the need of students.

Normally the classes were taken in the evening (3.30 pm - 4.30 pm) after the regular classes in the college. Totally 12 Resource Persons engaged classes for the programme. All the students were given Stationery kit, Study materials (books). Tea and snacks were provided in almost all classes.

The continues this year with 100 students from first and second year UG students. The subjects selected for 1<sup>st</sup> year are English, Mathematics, Commerce, Computer Science, and Economics. For the second year the subjects are English, Mathematics, Commerce, Chemistry and Economics. An External mentoring class by P. C. Vijaya Rajan, Retd. Deputy Labour commissioner and member- Child Welfare committee was provided to SSP students on 28/01/17. Texts, study materials and stationary kit were distributed to each student.

## Appendix X

### Students Participation and Achievements in Sports and Games

#### X.1 Intercollegiate Level Achievements Report 2012-2013

Sl. No.	Event	Gold	Silver	Bronze
1	Basketball (Men)	12	-	-
2	Handball (Women)	-	11	-
3	Kabaddi (Men)	12	-	-
4	Kabaddi (Women)	-	12	-
5	Kho-Kho (Men)	-	-	12
6	Kho-Kho (Women)	12	-	-
7	Athletics (Men)	-	2	2
8	Cricket (Women)	-	-	11
9	Athletics (Women)	-	1	-

#### X.2 Inter University Level Achievements Report 2012-2013

Sl. No.	Name	Event	Class
1	Arjun J.	Basketball(Men)	B.Com.
2	Manukumar C. B.	Basketball(Men)	B.Com.
3	Vijin P. V.	Basketball(Men)	B.A. Economics
4	Aswin G. Nair	Basketball(Men)	B.Com.
5	Ajith A. R.	Basketball(Men)	B.A. History
6	Nithin C.Thomas	Basketball(Men)	B.A. History
7	Arun Jose	Basketball(Men)	B.A. History
8	Balu Raj P. V.	Basketball(Men)	B.Com.
9	Sidharth P. V.	Basketball(Men)	B.Com.
10	Muhammad Javad	Basketball(Men)	B.Sc. Physics
11	Thara M.	Handball(Women)	B.A. Economics
12	Divya M.	Handball(Women)	B.A. Economics
13	Anusree M.	Handball(Women)	B.A. History
14	Sruthi Sankar K.	Handball(Women)	B.Com.
15	Rajaneesh R.	Kho-Kho(Men)	B.Sc.Plant Science
16	Sooraj T.	Kho-Kho(Men)	B.Sc. Statistics
17	Sreejesh Lal S.	Kho-Kho(Men)	B.Sc. Plant Science
18	Jayasree Kevees	Kho-Kho(Women)	B.Sc. Physics
19	Anusha A. P.	Kho-Kho(Women)	B.Sc. Plant Science
20	Vandana K.	Kho-Kho(Women)	B.Sc. Polymer Chemistry
21	Ramya K. M.	Kho-Kho(Women)	B.Com.
22	Kavya.K	Kho-Kho(Women)	B.Sc. Zoology
23	Rasitha Lakshmi	Kho-Kho(Women)	B.Sc. Physics
24	Mohammad Azharudheen M. A.	Kabaddi(Men)	B.Sc. Statistics
25	Sagar B. Krishnan	Kabaddi(Men)	B.Sc. Statistics
26	Sreejith T. K.	Kabaddi(Men)	B.A. Economics
27	Anoop E. V.	Kabaddi(Men)	B.A. History
28	Nishanth P. M.	Kabaddi(Men)	B.A. Economics
29	Likhil K.	Kabaddi(Men)	B.Com
30	Deepa Damodharan	Kabaddi(Women)	B.Com.
31	Ramya K. M.	Kabaddi(Women)	B.Com.

APPENDIX X. STUDENTS PARTICIPATION AND ACHIEVEMENTS IN SPORTS AND GAMES

Sl. No.	Name	Event	Class
32	Prajina C.	Kabaddi(Women)	B.Sc. Plant Science
33	Athira K.	Cricket(Women)	B.Sc. Zoology
34	Divya K. V.	Cricket(Women)	B.Sc. Plant Science

### X.3 Intercollegiate Level Achievements Report 2013-2014

Sl. No.	Event	Gold	Silver	Bronze
1	Basketball (Men)	12	-	-
2	Basketball (Women)	-	-	12
3	Kabaddi (Men)	12	-	-
4	Kabaddi (Women)	12	-	-
5	Kho-Kho(Men)	-	12	-
6	Kho-Kho(Women)	12	-	-
7	Athletics(Men)	1	3	1
8	Cricket (Women)	-	-	16
9	Wrestling(Men)	-	1	-
10	Taekwondo (Men)	-	1	-
11	Weightlifting	1	-	-

### X.4 Inter University Level Achievements Report 2013-2014

Sl. No.	Name	Event	Class
1	Aswin G. Nair	Basketball(Men)	B.Com.
2	Balu Raj P. V.	Basketball(Men)	B.Com.
3	Vijin P. V.	Basketball(Men)	B.A. Economics
4	Rajeesh V.	Basketball(Men)	B.A. History
5	Jyothish Babu	Basketball(Men)	B.A. History
6	Ajith A. R.	Basketball(Men)	B.A. History
7	Akshay Ashok	Basketball(Men)	B.Com.
8	Nishanth P. M.	Kabaddi(Men)	B.A. Economics
9	Surjith K.	Kabaddi(Men)	B.A. History
10	Vineesh Krishnan N. P.	Kabaddi(Men)	B.Sc. Statisti
11	Swaroop K. P.	Kabaddi(Men)	B.A. History
12	Krishna Prasad	Kabaddi(Men)	B.A. History
13	Jayasree Kevees	Kabaddi(Women)	M.Sc. Physics
14	Ramya K. M.	Kabaddi(Women)	B.Com.
15	Deepa Damodharan	Kabaddi(Women)	B.Com.
16	Prajina C.	Kabaddi(Women)	B.Sc. Plant Science
17	Rasitha Lakshmi	Kabaddi(Women)	B.Sc. Physics
18	Rajaneesh R.	Kho-Kho(Men)	B.Sc. Plant Science
19	Sooraj T.	Kho-Kho(Men)	B.Sc. Statistics
20	Arun C.	Kho-Kho(Men)	B.Com.
21	Jayasree Kevees	Kho-Kho(Women)	M.Sc. Physi
22	Durga K.	Kho-Kho(Women)	B.Com.
23	Akhila T.	Kho-Kho(Women)	B.A. Economics
24	Ramya K. M.	Kho-Kho(Women)	B.Com.
25	Kavya K.	Kho-Kho(Women)	B.Sc. Zoology
26	Rasitha Lakshmi	Kho-Kho(Women)	B.Sc. Physics
27	Divya K. V.	Cricket(Women)	B.Sc. Plant Science

### X.5 Intercollegiate Level Achievements Report 2014-2015

Sl. No.	Event	Gold	Silver	Bronze
1	Basketball (Men)	12	-	-
2	Basketball (Women)	12	-	12
3	Kabaddi (Men)	-	12	-
4	Kabaddi (Women)	-	12	-
5	Kho-Kho (Men)	-	12	-
6	Kho-Kho (Women)	12	-	-
7	Athletics (Women)	-	1	-
8	Cricket (Women)	-	-	16
9	Wrestling (Men)	1	-	-
10	Taekwondo (Women)	5	-	-
11	Swimming (Men)	-	1	-

### X.6 Inter University Level Achievements Report 2014-2015

Sl. No.	Name	Event	Class
1	Vijin P. V.	Basketball (Men)	B.A. Economics
2	Balu Raj	Basketball (Men)	B.Com.
3	Jyothish Babu	Basketball (Men)	B.A. History
4	Akshay Ashok	Basketball (Men)	B.Com.
5	Shibin Thomas	Basketball (Men)	B.Com.
6	Albin Benny	Basketball (Men)	B.Com.
7	Albin E. V.	Basketball (Men)	B.Com.
8	Sreenath S. R.	Basketball (Men)	B.A. History
9	Abhijith M.	Basketball (Men)	B.Com.
10	Kavya K.	Kho-Kho (Women)	B.Sc. Zoology
11	Jayasree Kevees	Kho-Kho (Women)	M.Sc. Physics
12	Rasitha Lakshmi M. V.	Kho-Kho (Women)	B.Sc. Physics
13	Sreereshmi G.	Kho-Kho (Women)	B.Com.
14	Janishma J.	Kho-Kho (Women)	B.Sc. Plant Science
15	Divya K. V.	Kho-Kho (Women)	B.Sc. Plant Science
16	Sreelekshmi M. V.	Kho-Kho (Women)	B.Sc. Zoology
17	Midhuna P. V.	Kho-Kho (Women)	B.A. Economics
18	Remya K. M.	Kabaddi (Women)	B.Com.
19	Prajina C.	Kabaddi (Women)	B.Sc. Plant Science
20	Sreereshmi G.	Kabaddi (Women)	B.Com.
21	Kiran Ramakrishnan K.	Kabaddi (Men)	B.Sc. Statistic
22	Surjith P. T.	Kabaddi (Men)	B.A. History
23	Likhil K.	Kabaddi (Men)	M.Com.
24	Sourav V.	Kabaddi (Men)	B.Com.
25	Adarsh Ahokan	Shuttle Badminton (Men)	B.Sc. P
26	Rejith A.	Kho-Kho (Men)	B.Sc. Plant Science
27	Athish K.	Kho-Kho (Men)	B.Com.
28	Sharanya C. V.	Taekwondo (Women)	B.Com.
29	Midhuna P. V.	Taekwondo (Women)	B.A. Economics
30	Divya M.	Cricket (Women)	B.Sc. Physics
31	Sreelekshmi M. V.	Cricket (Women)	B.Sc. Zoology

### X.7 Intercollegiate Level Achievements Report 2015-2016

APPENDIX X. STUDENTS PARTICIPATION AND ACHIEVEMENTS IN SPORTS AND GAMES

Sl. No.	Event	Gold	Silver	Bronze
1	Basketball (Men)	12	-	-
2	Kabaddi (Men)	-	12	-
3	Kabaddi (Women)	12	-	-
4	Kho-Kho (Men)	-	12	-
5	Kho-Kho (Women)	12	-	-
6	Athletics (Women)	-	-	2
7	Cricket (Women)	-	-	16
8	Wrestling (Men)	2	2	3
9	Taekwondo (Women)	1	2	3
10	Athletics (Men)	2	2	2
11	Taekwondo (Men)	1	2	3
12	Kalaripayattu (Women)	3	1	4
13	Kalaripayattu (Men)	-	-	1

### X.8 Inter University Level Achievements Report 2015-2016

Sl. No.	Name	Event	Class
1	Sreenath S. R.	Basketball (Men)	B.A. History
2	Shibin Thomas	Basketball (Men)	B.Com.
3	Akshay Ashok	Basketball (Men)	B.Com.
4	Syam S.	Basketball (Men)	B.A. History
5	Albin Benny	Basketball (Men)	B.Com.
6	Jyothis Babu	Basketball (Men)	B.A. History
7	Abhijith M.	Basketball (Men)	B.Com.
8	Jithu P.	Basketball (Men)	B.A. History
9	Sharanya C. V.	Taekwondo (Women)	B.Com.
10	Abdul Khader A.	Wrestling (Men)	B.Sc.Mathematics
11	Arjun Krishnan	Wrestling (Men)	B.Sc.Mathematics
12	Akhila T.	Kho-Kho (Women)	B.A. Economics
13	Ayesha Pavithran	Kho-Kho (Women)	B.Sc.Mathematics
14	Sreereshmi G.	Kho-Kho (Women)	B.Com.
15	Janishma J.	Kho-Kho (Women)	B.Sc. Plant Science
16	Likhil K.	Kabaddi (Men)	M.Com.
17	Sourav V.	Kabaddi (Men)	B.Com.
18	Shibin A. K.	Kabaddi (Men)	B.A. History
19	Akhil A.	Kabaddi (Men)	B.A. Economics
20	Sreelekshmi M. V.	Cricket (Women)	B.Sc. Zoology
21	Adarsh Ashokan	Shuttle Badminton (Men)	B.Sc. Physics

### X.9 National/State Level Achievements Report 2012-2016

Sl. No.	Name	Event	Class	Year	Level
1	Vijin P. V.	Basketball (Men)	B.A. Economics	2012-13	State
2	Balu Raj	Basketball (Men)	B.Com.	2012-13	State
3	Rajeesh V.	Basketball (Men)	B.A. History	2012-13	State
4	Arjun J.	Basketball (Men)	B.Com.	2012-13	State
5	Manukumar C. B.	Basketball (Men)	B.Com.	2012-13	State
6	Aswin G. Nair	Basketball (Men)	B.Com.	2012-13	State
7	Sidharth P. V.	Basketball (Men)	B.Com.	2012-13	State
8	Arun Jose	Basketball (Men)	B.A. History	2012-13	State
9	Akshay Ashok	Basketball (Men)	B.Com.	2013-14	State
10	Jyothish Babu	Basketball (Men)	B.A. History	2013-14	State



**APPENDIX X. STUDENTS PARTICIPATION AND ACHIEVEMENTS IN SPORTS AND GAMES**

Sl. No.	Name	Event	Class	Year	Level
11	Shibin Thomas	Basketball (Men)	B.Com.	2013-14	State
12	Sreenath S. R.	Basketball (Men)	B.A. History	2013-14	State
13	Albin Benny	Basketball (Men)	B.Com.	2013-14	State
14	Sayam S.	Basketball (Men)	B.Com.	2013-14	State
15	Nitheesh Kumar	Basketball (Men)	B.A. Malayalam	2013-14	State
24	Jyothish Babu	Basketball (Men)	B.A. History	2014-15	State
25	Shibin Thomas	Basketball (Men)	B.Com.	2014-15	State
26	Abhijth M.	Basketball (Men)	B.Com.	2014-15	State
27	Sreenath S. R.	Basketball (Men)	B.A. History	2014-15	State
28	Albin Benny	Basketball (Men)	B.Com.	2014-15	State
29	Akshay Ashok	Basketball (Men)	B.Com.	2014-15	State
30	Jyothis Babu	Basketball (Men)	B.A. History	2014-15	State
31	Vijin P. V.	Basketball (Men)	B.A. Economics	2014-15	State
32	Balu Raj	Basketball (Men)	B.Com.	2014-15	State
33	Rajeesh V.	Basketball (Men)	B.A. History	2014-15	State
34	Arun Jose	Basketball (Men)	B.A. History	2014-15	State
35	Akshay Ashok	Basketball (Men)	B.Com.	2015-16	State
36	Shibin Thomas	Basketball (Men)	B.Com.	2015-16	State
37	Abhijth M.	Basketball (Men)	B.Com.	2015-16	State
38	Sreenath S. R.	Basketball (Men)	B.A. History	2015-16	State
39	Albin Benny	Basketball (Men)	B.Com.	2015-16	State
40	Akshay Ashok	Basketball (Men)	B.Com.	2015-16	State
41	Jyothis Babu	Basketball (Men)	B.A. History	2015-16	State
42	Vijin P. V.	Basketball (Men)	B.A. Economics	2015-16	State
43	Balu Raj	Basketball (Men)	B.Com.	2015-16	State
44	Rajeesh V.	Basketball (Men)	B.A. History	2015-16	State
45	Arun Jose	Basketball (Men)	B.A. History	2015-16	State
46	Akshay Ashok	Basketball (Men)	B.Com.	2015-16	All Kerala
47	Shibin Thomas	Basketball (Men)	B.Com.	2015-16	All Kerala
48	Jyothis Babu	Basketball (Men)	B.A. History	2015-16	All Kerala
49	Akshay Ashok	Basketball (Men)	B.Com.	2015-16	National (Federation Cup)
50	Akshay Ashok	Basketball (Men)	B.Com.	2015-16	National

**X.10 List of Players Who Got Placement during 2012-16**

Sl. No.	Name	Event	Year	Area
1	Arun Jose	Basketball (Men)	B.A. History	Territorial Army
2	Rajeesh V.	Basketball (Men)	B.A. History	Indian Army (Technical)
3	Albin E. V.	Basketball (Men)	B.Com.	M.E.G.
4	Jithu P.	Basketball (Men)	B.A. History	Indian Army

## Appendix Y

### Student Achievements in University Fine Arts

#### Y.1 Kannur University Arts Festival 2013-14

No. of students who participated : 126  
 Place : Overall Second  
 Number points won : 119

##### Y.1.1 List of Winners

Sl.No.	Name	Class	Item	Place
1	Abiraj A. P.	I B.A. Economics	Naatanpattu	III A
2	Akhil B.	III B.Com.	Parichamuttukali	I A
3	Akshata Pai	III B.Sc. Plant Science	Oppana	III A
4	Akshaya Pai	III B.Sc. Plant Science	Oppana	III A
5	Ammu N. K.	I B.A. Economics	Embroidery	II A
6	Anjali S. Nair	II M.Sc. Physics	Kathakali	I A
7	Anjitha Radhakrishnan	I B.Sc. Physics	Thiruvaathirakali	IIA
8	Anju P. V.	III B.Sc. Polymer Chemistry	Skit Malayalam	II A
9	Arunkumar K.	II B.Com.	Naatakam Hindi	III A
10	Arya Krishnan K.	I B.Sc. Physics	Naatakam Hindi	III A
11	Aswini T.	I B.Com.	Oppana	III A
12	Athira V. NAIR	II B.Com.	Mappilappaattu Group	II A
13	Athira M.	II M.Sc. Physics	Maargamkali	I A
14	Athira U.	II B.Sc. Physics	Skit Malayalam	II A
15	Athira M.	II B.Com.	Thiruvaathirakali	IIA
16	Athira N.	II B.Com.	Thiruvaathirakali	IIA
17	Balesh N.	III B.A. History	Sanghanritham Male	II A
18	Divya P.	III B.Sc. Zoology	Oppana	III A
19	Gayathri A. M.	I B.Sc. Zoology	Oppana	III A
20	Gopika A.	II B.Sc. Plant Science	Maargamkali	III A
21	Gopikadevi R. G.	I B.Sc. Polymer Chemistry	Sanghanritham Female	II A
22	Greeva Sukumaran	I B.Sc. Polymer Chemistry	Oppana	III A
23	Haridas Nambiar P.	I B.Com.	Naatakam Hindi	III A
24	Haritha C. N.	II B.Sc. Polymer Chemistry	Maargamkali	III A
25	Haritha V. V.	II B.Sc. Physics	Cherukatharachana Malayalam	I A
26	Indu Chandran	I B.Sc. Polymer Chemistry	Naatakam Hindi	III A
27	Jayadev Vijayan K. K.	II B.Sc. Zoology	Collage	III A
28	Jayaram M.	II B.Com.	Parichamuttukali	I A
29	Jeni Krishnan K. P.	I B.Sc. Zoology	Skit Malayalam	II A
30	Joshna V. K.	III B.Sc. Physics	Sanghanritham Female	II A
31	Jyothish T. P.	III B.Com.	Parichamuttukali	I A
32	Jyotsna Gangadharan		Thiruvaathirakali	IIA
33	Karishma Balakrishnan	I B.Sc. Statistics	Skit Malayalam	II A
34	Keerthi Vijayan	II B.Sc. Statistics	Thiruvaathirakali	IIA
35	Keerthi T. V.	II B.A. Economics	Oppana	III A
36	Krishnapriya T. P.	I B.Sc. Physics	Sanghanritham Female	II A
37	Krishnendu K.	I B.Sc. Statistics	Mappilappaattu Group	II A
38	Mithun M.	III B.Sc. Plant Science	Sanghanritham Male	II A
39	Namitha Narayanan	II B.Com.	Oppana	III A

**APPENDIX Y. STUDENT ACHIEVEMENTS IN UNIVERSITY FINE ARTS**

Sl.No.	Name	Class	Item	Place
40	Namitha Narayanan P.	II B.Sc. Physics	Maargamkali	III A
41	Navya P. K.	II Ma English	Thirakatharachana - Documentary English	I A
42	Neethu K. Nair	II B.Sc. Physics	Mappilappaattu Group	II A
43	Nikhila V. Nair	II B.Sc. Physics	Maargamkali	III A
44	Panchami Mohan K. V.	II B.Sc. Physics	Maargamkali	III A
45	Pranavya G.	II B.Com.	Thiruvaathirakali	IIA
46	Prasanth P.	III B.Sc. Plant Science	Sanghanritham Male	II A
47	Rahul K.	III B.Com.	Parichamuttukali	I A
48	Rajeesh	I B.Sc. Polymer Chemistry	Naatakam Hindi	III A
49	Ratheesh K. G.	II B.Com.	Parichamuttukali	I A
50	Rudheesh R. A.	I M.Com.	Cartoon Rachana	II A
51	Sachin K. V.	III B.Sc. Plant Science	Parichamuttukali	I A
52	Shibina T.	II B.A. History	Mappilappaattu Group	II A
53	Shibinlal M.	I B.Sc. Physics	Naatakam Hindi	III A
54	Shijith K.	III B.A. History	Sanghanritham Male	II A
55	Shilpa M.	II B.A. History	Sanghanritham Female	II A
56	Sneha Sukumaran P.	II B.Sc. Plant Science	Skit Malayalam	II A
57	Soorya V. N.	I B.Sc. Plant Science	Mappilappaattu Group	II A
58	Soumya S. K.	I B.Sc. Mathamatics	Oppana	III A
59	Souparnika	III B.Sc. Physics	Sanghanritham Female	II A
60	Sreekanth H.	II B.Com.	Parichamuttukali	I A
61	Sreelal P.	I B.Sc. Plant Science	Sanghanritham Male	II A
62	Sreethu C. V.	I B.Sc. Mathamatics	Naatakam Hindi	III A
63	Srijith M. S.	II B.Sc. Physics	Sanghanritham Male	II A
64	Sruthi	II B.Sc. Polymer Chemistry	Thiruvaathirakali	IIA
65	Suna S. Chandran	II B.A. History	Sanghanritham Female	II A
66	Susmitha V.	III B.Sc. Statistics	Thiruvaathirakali	IIA
67	Swathi V.	I B.Sc. Statistics	Thiruvaathirakali	IIA
68	Thulasipriya	III B.Sc. Physics	Sanghanritham Female	II A
69	Unnimaya K. P.	I B.Sc. Physics	Mono Act	II A
70	Vinduja Vinod	II B.Com.	Thiruvaathirakali	IIA
71	Vineeth K.	II B.Sc. Zoology	Naatakam Hindi	III A
72	Vineeth P.	I B.Sc. Physics	Ghattam	I A
73	Vishnupriya C.	II B.Com.	Sanghanritham Female	II A
74	Vivek B.	III B.Sc. Plant Science	Naatoti Nritham Single Male	II A
75	Yadhu Chandran	II B.Sc. Physics	Jazz Pashchathyam	III B

## Y.2 Kannur University Arts Festival 2014-15

No. of students who participated : 127  
 Place : Overall Second  
 Number points won : 196

### Y.2.1 List of Winners

Sl.No.	Name	Class	Item	Place
1	Abdul Rahman T.	III B.A. History	Kolkali	III A
2	Abheesh Babu V. V.	I B.Sc. Physics	Poorakkali	II A
3	Abiraj A. P.	II B.A. Economics	Naatanpattu	I A
4	Adarsh N.	I B.Sc. Polymer Chemistry	Kolkali	III A

**APPENDIX Y. STUDENT ACHIEVEMENTS IN UNIVERSITY FINE ARTS**

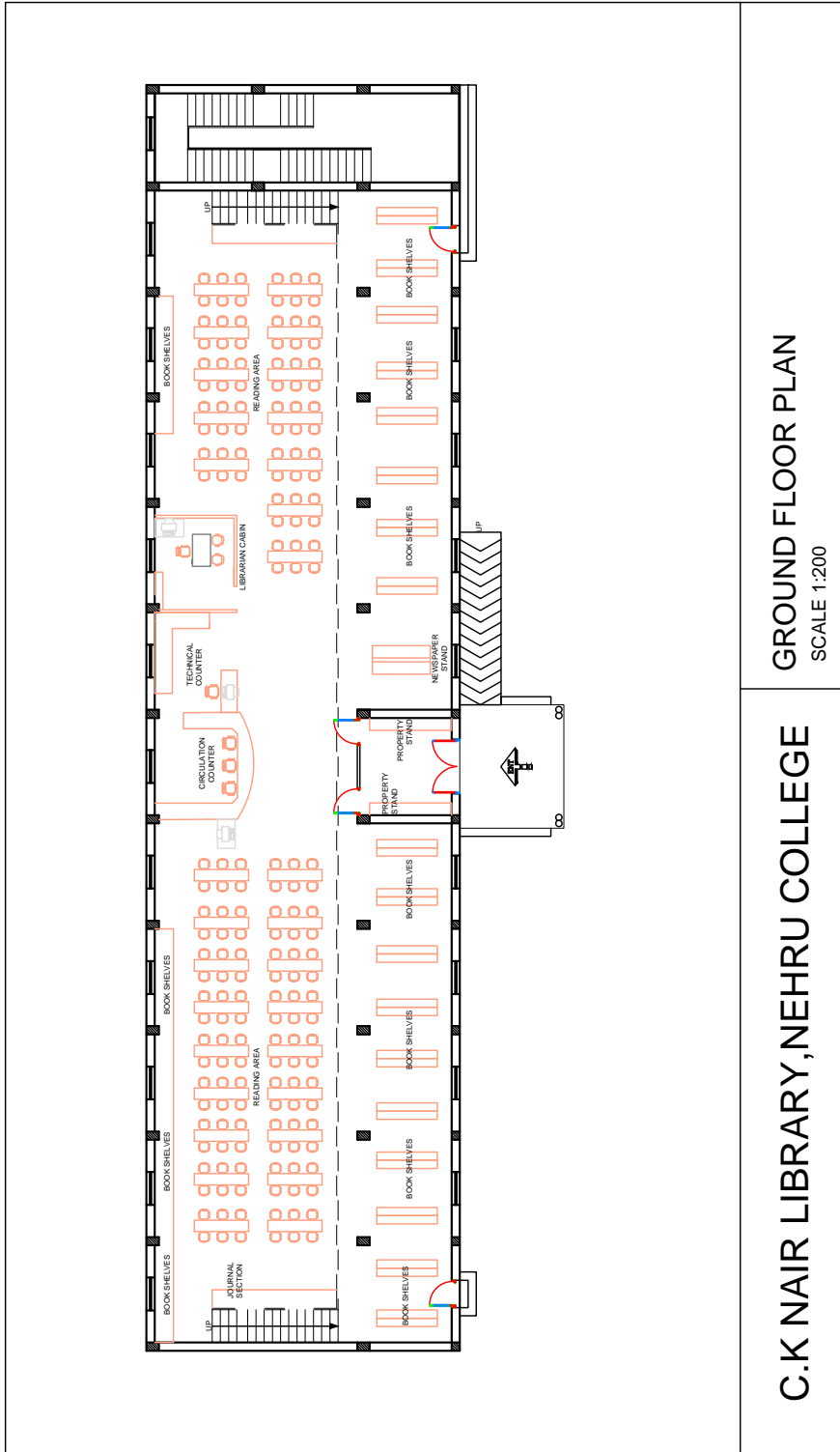
<b>Sl.No.</b>	<b>Name</b>	<b>Class</b>	<b>Item</b>	<b>Place</b>
5	Ajith M. P.	I B.A. Economics	Parichamuttukali	IIA
6	Amal Sudhan K.	I B.Sc. Mathamatics	Poorakkali	II A
7	Amruth C. Mohan	III B.Sc. Physics	Kolkali	III A
8	Amrutha Ravi	II B.A. History	Skit - Malayalam	I A
9	Anju C.	I B.Com.	Oppana	I A
10	Anoop K.	I B.A. History	Poorakkali	II A
11	Arathi K. P.	I B.A. Economics	Oppana	I A
12	Arathi Krishnan P. V.	I B.Sc. Polymer Chemistry	Oppana	I A
13	Arun M.	I B.A. History	Parichamuttukali	IIA
14	Arya Krishnan K.	II B.Sc. Physics	Naatakam Malayalam	III A
15	Aswini T.	II B.Com.	Oppana	I A
16	Athira N.	I B.Sc. Zoology	Oppana	I A
17	Athira V. Nair	III B.Com.	Naatanpattu	I A
18	Bhagyalakshmi K. P.	I B.Sc. Statistics	Oppana	I A
19	Deepak Thamban	II B.Sc. Physics	Kolkali	III A
20	Devaraj M.	II B.Sc. Plant Science	Naatanpattu	I A
21	Gayathri A. M.	II B.Sc. Zoology	Mappilappaattu - Group	I A
22	Glorin Silvester Gangera	I B.Sc. Mathamatics	Naatakam Hindi	II A
23	Gopika A.	III B.Sc. Plant Science	Maargamkali	I A
24	Gopikadevi R. G.	II B.Sc. Polymer Chemistry	Sanghanritham - Female	III A
25	Greeva Sukumaran	II B.Sc. Polymer Chemistry	Oppana	I A
26	Harikrishnan M.	I B.Sc. Mathematics	Naatakam Hindi	II A
27	Haritha C. N.	III B.Sc. Polymer Chemistry	Maargamkali	I A
28	Haritha V. V.	III B.Sc. Physics	Thirakatharachana - Kathachithram Malayalam	II A
29	Hima B.	II B.Sc. Mathamatics	Sanghanritham - Female	III A
30	Jaganathan P.	I B.A. History	Parichamuttukali	IIA
31	Jayanarayanan	I B.A. History	Poorakkali	II A
32	Jayaram M.	III B.Com.	Parichamuttukali	IIA
33	Jishnu K.		Kolkali	III A
34	Jyotsna Gangadharan	II B.Sc. Plant Science	Mappilappaattu - Group	I A
35	Kavya K - (ID:3625)		Maargamkali	I A
36	Keerthana V.	I B.Sc. Mathamatics	Sanghanritham - Female	III A
37	Krishnapriya T. P.	II B.Sc. Physics	Sanghanritham - Female	III A
38	Krishnendu K.	II B.Sc. Statistics	Mappilappaattu - Group	I A
39	Manasa P.		Naatakam Malayalam	III A
40	Maneesh S.	II B.Com.	Harmonium Pourasthyam	III A
41	Midhun T.	II B.Sc. Physics	Naatakam Hindi	II A
42	Namitha Narayanan	III B.Com.	Oppana	I A
43	Namitha Narayanan P.	III B.Sc. Physics	Naatanpattu	I A
44	Neelima A. S.	I B.Sc. Physics	Skit - Malayalam	I A
45	Neethu K. Nair	III B.Sc. Physics	Mappilappaattu - Group	I A
46	Nibinraj M.	I B.Sc. Physics	Naatakam Hindi	II A
47	Nikhila V. Nair	III B.Sc. Physics	Maargamkali	I A
48	Nizar M. K.		Kolkali	III A
49	Panchami Mohan K. V.	III B.Sc. Physics	Maargamkali	I A
50	Pranav K.	I B.Sc. Mathamatics	Poorakkali	II A
51	Ratheesh K. G.	III B.Com.	Parichamuttukali	IIA
52	Reshma K. V.		Naatakam Malayalam	III A
53	Sabna P. V.	I B.Com.	Oppana	I A
54	Sagar S. G.	I B.Sc. Physics	Poorakkali	II A
55	Sajesh K. M.		Poorakkali	II A
56	Sajith V.	III B.Sc. Physics	Poorakkali	II A

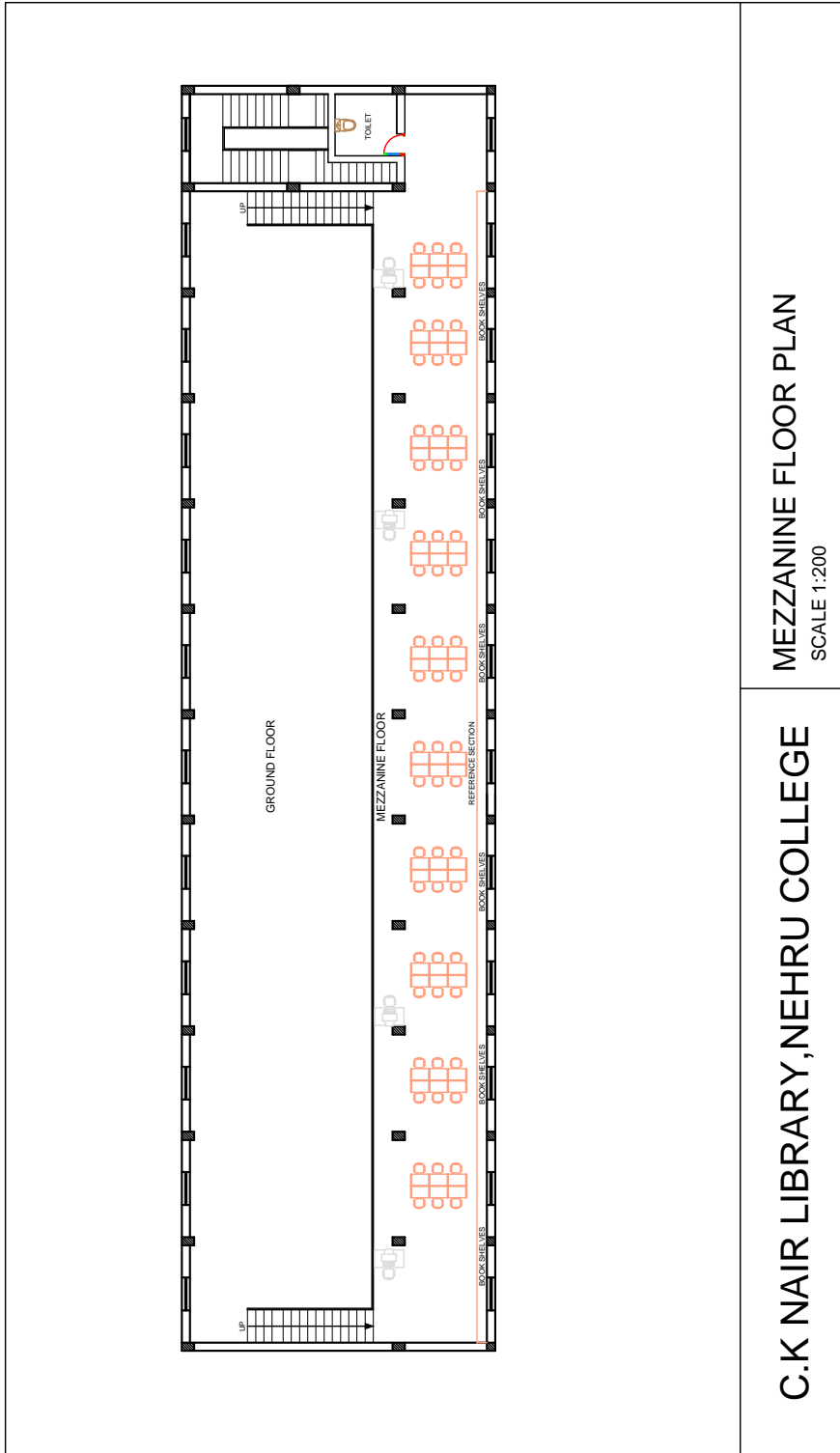
**APPENDIX Y. STUDENT ACHIEVEMENTS IN UNIVERSITY FINE ARTS**

<b>Sl.No.</b>	<b>Name</b>	<b>Class</b>	<b>Item</b>	<b>Place</b>
57	Sanoy Kumar A.	I B.Sc. Zoology	Poorakkali	II A
58	Sarath M.	II B.A. History	Parichamuttukali	II A
59	Shabad C. K.	III B.Com.	Kolkali	III A
60	Shajina Vargheese	I B.A. Malayalam	Prasangam Malayalam	II A
61	Sheethal S. G.			
62	Shibina T.	III B.A. History	Mappilappaattu - Group	I A
63	Shilpa Chandran V. V.	I B.A. Malayalam	Cherukatharachana Malayalam	II A
64	Shilpa M.		Sanghanritham - Female	III A
65	Shilpa R.	I B.Sc. Physics	Debate Malayalam	II A
66	Shipin T. V.		Naatakam Hindi	II A
67	Shubalakshmi N. P.	II B.A. Economics	Skit - Malayalam	I A
68	Sooraj T. V.	II B.Sc. Polymer Chemistry	Naatakam Hindi	II A
69	Sreehari B. V.	II B.Sc. Polymer Chemistry	Poorakkali	II A
70	Sreehari P. Gopal	I B.Sc. Physics	Poorakkali	II A
71	Sreekanth H.	III B.Com.	Parichamuttukali	II A
72	Sreekuttan M. V.	II B.Sc. Physics	Naatakam Hindi	II A
73	Sreethu C. V.	II B.Sc. Mathematics	Skit - Malayalam	I A
74	Sreya P. V.	I B.Sc. Zoology	Skit - Malayalam	I A
75	Sudheesh K.		Kolkali	III A
76	Suna S. Chandran		Sanghanritham - Female	III A
77	Thejaswini P. T.	III B.Sc. Zoology	Rangoli	I A
78	Unnikrishnan B.	I B.Com.	Poorakkali	II A
79	Unnimaya K. P.	II B.Sc. Physics	Maargamkali	I A
80	Uthara P.	I B.A. Malayalam	Sanghanritham - Female	III A
81	Varun N.	III B.Sc. Physics	Naatakam Hindi	II A
82	Vineeth P.	II B.Sc. Physics	Karnataka Sangeetham - Male	I A
83	Vishnu N.	I B.Sc. Statistics	Naatakam Hindi	II A
84	Vishnupriya C.	III B.Com.	Sanghanritham - Female	III A

# Appendix Z

## Layout of the Library





MEZZANINE FLOOR PLAN  
SCALE 1:200

C.K NAIR LIBRARY, NEHRU COLLEGE

## **Declaration by the Head of the Institution**

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution with seal

Place: Kanhangad

Date : 15<sup>th</sup> May 2017



## **Certificate of Compliance**

This is to certify that Nehru Arts And Science College, Kanhangad, fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body (such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.)and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Principal/Head of the Institution  
(Name and Signature with Office seal)

Place: Kanhangad  
Date : 15<sup>th</sup> May 2017