NSS COLLEGE, NEMMARA

Nemmara, Palakkad, Kerala - 678508

Website: www.nssnemmara.in

SELF STUDY REPORT - 2016

Submitted to

National Assessment and Accreditation Council, Bangalore.

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PREFACE

N.S.S College, Nemmara, established in 1967, comes within the jurisdiction of Nair Service Society, and is affiliated to the University of Calicut. Situated in a rural background, the College enjoys the privilege of a serene atmosphere facilitating teaching/learning process.The institution is determined to strive for academic excellence along with fulfilling its social objectives. The policies are directed in such a way to pave the path for providing holistic education in an impartial manner for the uplift of the local community in the surrounding socially and economically backward area. Education is offered to all categories of students irrespective of caste, creed, gender and socio-economic background.Along with academic excellence, the institution ensures that the students are inculcated with life skills and moral values, so that they become an asset to the society and to the nation as a whole. Civic sense and responsibility is given top priority. The college at present, runs twelve UG courses and three PG courses.

This self-study report is prepared complying to all norms of the NAAC, in the prescribed format, after detailed discussions at all required levels. In thepresentreportwetriedourlevelbesttomeetthedemandsas laid downbyNAAC.

EXECUTIVE SUMMARY

N.S.S College, Nemmara is an aided college permanently affiliated to the University of Calicut and managed by Nair Service Society. The foundation stone for the college was laid by Late Sri Mannath Padmanabhan in 1966. The college started functioning in 1967 with four pre-degree (separated later in 1990s under Higher Secondary Education) batches, comprising 80 students each. The college was upgraded in 1971-72 with the commencement of four UG courses. The college now caters to the demands of students with 12 undergraduate courses and 3 postgraduate courses. It is recognised by the University Grants Commission under the 2(f) and 12(B) Schemes. Now in the Golden Jubilee year of inception, institution has gone a long way towards the uplift of the local economically and educationally backward classes of society. It has pulled up plans for achieving academic excellence in accordance with modern standards of education keeping within its own limitations. The institution works with the aim of knowledge and wisdom for all.

Situated in the remotest area of the educationally backward district of Palakkad, our student community hails from a socially and economically weaker background. The institution is keen to provide all possible facilities for their holistic development. Affiliated to the University of Calicut, the college follows the Choice Based Credit and Semester system prescribed by the University for both UG and and Semester system for PG courses. No academic autonomy is enjoyed by the institution and the freedom for design of curriculum rests with the University. However, the faculty members, whenever possible, makes a contribution to curriculum designing as part of various Board of Studies. The syllabus structuring provides opportunity for inter-departmental interactions through common, complementary and open courses. Due recognition is given to extra-curricular activities. Participation of students in cultural events and sports is fortified by the faculty members. Inculcation of moral values and development of life skills is also given prime importance. Regular evaluative and feedback measures are also adopted to nurture the proper academic pursuit.

Keeping in mind our vision to provide quality education to all, irrespective of caste, creed and gender, the admission process is done with utmost transparency and in compliance with the existing rules and regulations. Admission for the last three years is through a single window process managed at the University level. An induction programme offered to first year UG students along with their parents at the start of the academic year enables the students to blend into the semester system without much practical difficulties. Ragging of any sort is strictly prohibited in the institution and Departments under the guidance of the Anti-ragging Cell and Discipline Committee, keep a vigilant eye to ensure the same. A healthy interaction between freshers and the seniors is established through "welcome programme" organized department-wise. Learning is made student-centric through adequate usage of ICT enabled teaching. Group discussions, peer teaching and student seminars are made part of the teaching/learning system. Common and Department libraries provides the students with recent reference books in concerned subjects. Students are also given internet access through common Computer Lab and library. Internet facility of departments is also made use of by students in cases of necessity. Efficient execution of the Tutorial system is instrumental in achieving a better student- teacher interaction. A faculty member is assigned with a definite number of students to keep a record of all matters pertaining to the student. Role of a tutor is more of a mentor during these sessions. Tutorial system sets a strong foundation for teacher-student relationship and offers an effective platform for free interaction and discussion.

Extension programmes charted out by the concerned departments and various clubs provides the students an opportunity to exhibit and develop their leadership and organizational abilities. Interaction of students with eminent personalities and the exposure to the current trends in the area forms the major objective of these enrichment programmes. N.C.C and N.S.S nurtures a sense of responsibility and coherence in the students. Departmental manuscripts, magazines and wall magazines foster the artistic and literary capabilities in students. Programmes like Walk With A Scholar (WWS) and Scholar Support Programme (SSP) provide ample opportunity to the students in overcoming their weakness and arouse a spirit in them to thrive for excellence. Support and guidance is also rendered to students in facing the competitive examination. Participation of students in cultural fests and sports is encouraged and supported by the

institution. Personality and life skill development is cherished by the institution as is reflected in the initiatives from the activities of Career Guidance Cell. All matters pertaining to the job opportunities for students come under the dominion of the Placement Cell. This is of crucial importance keeping in mind the economic background of the student community. Utmost care is devoted to the student related financial assistance matters including scholarships and grants since most of the students are from economically backward sections of society. Special attention is bestowed on physically challenged students to incorporate them into main stream. The support mechanism of the college is sufficient to mould the students in a holistic way and equip them to face the challenges of the world.

A pattern of comprehensive and continuous formative evaluation is adopted by the institution. Common internal examinations conducted twice a semester supplement the External Evaluation by the University. Class PTA meetings are convened on a regular basis after each internal examinations and parents are informed of the progress of their wards. Regular attendance of the students is mandatory for appearing the final examination. Attendance, seminar, assignments and test papers form part of internal assessment. Projects carried out during the final semester evokes the practical know-how, skill and critical thinking in students.

The college is also vigilant in promoting a research culture for maintaining the quality of its faculty members. Many of our faculty members are M.Phil. and Ph.D. holders and some are pursuing their research. Three of our faculty members availed FIP assistance and completed their Ph.D. during the last five years. Due assistance is granted to the members for pursuing research and attending National and International Seminars. Participation of teachers in Faculty Development Programmes (FDP) is promoted. Use of innovative teaching methodologies is endorsed wherever possible. IQAC in consultation with the Research Committee provides guidance to the faculty in mobilizing the funds from different funding agencies in the form of projects and seminars. Complete freedom is ensured to the faculty members in the execution of their project works and seminars. Consultancy services is also given equal importance by the institution.

The Governance of the institution is based on participative and decentralized administration. The Principal acts as the administrative and academic head of the institution and implements the policies of the Management after placing the proposals in the College Council. The College Council is a statutory body, as per the University regulations and comprises of the Heads of all Departments, elected representatives from the staff and IQAC coordinator. IQAC, in co-ordination with the college council takes up the responsibility of conveying policy matters to the staff. Platform for open discussion is provided through general staff meetings whenever required. Matters concerning students are discussed with the Staff Advisor to the College Union and then intimated to the students through College Union and class representatives who are elected under a parliamentary mode of election. Departments are given complete autonomy in designing and implementing their teaching plans and extension activities. Interaction with stake holders is made use of during policy making and chalking out the future plans of the institution.

Along with its prime policy of discharging its academic duties, the institution is equally committed to its social responsibilities. N.C.C, N.S.S and College Union take initiatives for the outreach programmes including old age home and orphanage visits, voluntary service in colonies etc. Attempts are also directed towards awareness campaign against drugs and alcohol both within the campus and in surrounding locality and schools. World Aids Day is observed through street plays and pamphlet distribution to create awareness among the public. Blood donation camps are also part of the outreach programmes. Concept of gender equity is given prime priority in the campus. Students are enlightened through Legal awareness classes on Domestic violence against women, Cyber-crime, etc. in association with Governmental agencies and NGOs.

Post Accreditation Initiatives

N.S.S. College, Nemmara has been taking extreme care to fulfil the recommendations of the NAAC Peer team which furnished the same after its visit. This is being used as a launch pad from where the next phase of the institution building process began. But for a few areas over which the institution has little say, we have been attempting to take the institution situated in a highly backward area and catering to the educational aspirations of the marginalized to greater heights making maximum use of minimum resources. Fifty years have elapsed, since the inception of this college and generations of learners have endorsed the sincere role played by the institution of higher learning in imparting quality education despite umpteen number of constraints due to the extreme socio-economic backwardness of the area. Still, this institution has managed to withstand the mild tremors on account of political activities and the sensitizing imbalance due to the geographical characteristics in the region which leaves the incumbents eligible for Hill Tract Allowance. A vast majority of the students belongs to the SC/ST/OBC/Minority/BPL categories who cannot afford to undergo higher education elsewhere and this institution is a real boon to them.

Ever since the First Phase of accreditation, the College has been indulging in novel practices whereby its vision and mission get fulfilled. A wonderful Digital Language Lab has been set up under the Department of English and this provides for ample exposure to the nuances of Spoken and Communicative English which are some areas inaccessible as far as the students of the region are concerned. There are advanced Computer Labs with internet and browsing facilities. A 30 KV generator acts as alternate source of electricity in the event of power supply being interrupted at intervals. The Research and Consultancy Wing of the College has been taking thumping leaps in the area by motivating teachers to undertake Major and Minor Research Projects of consequence depending on the peculiar needs of the region. The Placement Cell of the College has guided the outgoing students by inviting firms to hold Campus interviews and ensure placement for them. The new courses - M.Sc. Chemistry and B.A. Malayalam were started in the years 2013-14 and 2014-15 respectively. Women Empowerment Cell has been playing a vital role in creating

awareness in the related areas under the leadership of the former State Women's Commission member. In short, the College has been instrumental in upholding the values that it has cherished from time immemorial.

COLLEGE PROFILE

1. Name and Address of the College	N.S.S College Nemmara Nemmara P.O, Palakkad - 678 508 Kerala		
2. For Communication			
Name	Dr. G Pramod	Dr. K. Lalitha	
Designation	Principal	IQAC Co-ordinator	
Telephone No	04923-244265, 243265	04923-244265, 243265	
Mobile No:	9447357250	9446237892	
E mail id	pramodmgu09@gmail.com	lelliharidas@gmail.com	
Web site	www.nssnemmara.in		
3. Status of the Institution	Affiliated College-Aided		
4. Type of institution By Gender By Shift	Co-education Regular		
5. Is it a recognized minority Institution	No		
6. Nature of funding	Grant-in aid		
7. a. Date of establishment of the College	20-5-1967		
b. University to which affiliated	University of Calicut		
c. Details of UGC Recognition	Date, month and year	2 (f) 12 (B)	17-06-1972
d. Details of recognition by statutory/ regulatory bodies other than UGC	NA		
8. Does the affiliating University Act provide for conferment of autonomy (as recognized by UGC) on its affiliated	Yes		

colleges Has the college applied for availing autonomous status?	No
9. Is the college recognized a. By UGC as a college with potential for Excellence (CPE) b. For its performance by any other Governmental agency	 No No
10. Location of the campus and area Location Campus Area Built up Area	 Rural 38 Acres 10 Acres

11. Facilities available on the campus	
a. Auditorium/Seminar complex with infra structural facilities	Yes
b. Sports facilities	Yes
c. Play Ground	Yes
d. Gymnasium	No
e. Hostel	Ladies Hostel (under renovation)
f. Residential facilities for teaching and non-teaching staff	No
g. Cafeteria	Yes
h. Health Centre	No
i. Facilities like banking, Post office, Book shops	Post Office and Co-operative store
j. Transport facilities to cater to the needs of staff and students	No
k. Animal House	No
l. Biological waste disposal	No
m. Generator or other facility for regulation of electricity and voltage	Generator

n. Solid waste management facility	Yes
o. Waste water management	No
p. Water Harvesting	Yes

12. Details of Programmes offered by the college

Level	Name of the Programme	Duration	Entry Qualification	Medium of instruction	Student strength	
					Sanctioned	Admitted
UG	B. Com	Six semesters	Plus Two	English	60	60
	BBA				30	36
	Botany				24	24
	Chemistry				24	24
	Instrumentation				24	24
	Mathematics				40	48
	Physics				20	20
	Zoology				24	24
	English				24	24
	History				40	48
	Economics				40	48
	Malayalam				24	24
PG	M.Com	Four semesters	Degree		15	15
	M.Sc Chemistry				12	12
	M.Sc Mathematics				15	15

13. Does the college offer self-financed programmes	No
14. New programmes introduced in the college during the last five years if any	2

15. List the Departments

Faculty	Department	UG	PG	Research
Arts	Malayalam	1	-	-
Science	Chemistry	-	1	-
Commerce	-	-	-	-
Any other	-	-	-	-

16. Number of Programmes	Annual system	-

offered under	Semester system	12 UG and 3 PG
	Trimester system	-
17. Number of programmes with	Choice based Credit system	12 UG
	Inter/multi-disciplinary approach	NIL
	Any Other PG in Semester System	3
18. Does the college offer UG or PG in Teacher Education		No
19. Does the college offer UG or PG in Physical Education		No

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

Positions	Teaching faculty						Non teaching Staff		Mechanic	
	Professor		Associate Professor		Assistant Professor					
	M	F	M	F	M	F	M	F	M	F
Sanctioned / UGC/ State Govt/ University	-	-	6	7	9	32	17	2	1	-
Yet to recruit					3		10			
Sanctioned by the management/ recruited						15				

21. Qualifications of the Teaching Staff

Highest Qualification	**Associate Professor**		**Assistant Professor**		**Total**
	M	F	M	F	
Permanent Teachers					
Ph.D	2	3	2	6	13
M.Phil	2	1	2	6	11
PG	2	3	6	19	30
Temporary Teachers					
Ph.D					
M.Phil				1	1

PG			1	13	14

22. Number of visiting faculty / Guest faculty engaged with the college	**1**

23. Furnish the number of students admitted to the college during last 5 academic years

Category	**2011-12**		**2012-13**		**2013-14**		**2014-15**		**2015-16**	
	M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*
SC	71	175	67	161	71	170	70	152	78	150
ST	-	5	-	4	1	8	7	4	8	4
OBC	58	340	60	310	75	368	72	374	96	394
General	181	292	189	370	189	320	197	317	179	380
Total	310	812	316	845	336	866	346	847	361	928

24. Details on student enrollment in the college during the current academic Year

Type of students	**UG**	**PG**	**M.Phil**	**Ph.D**
Students from same state where the college is located	100%	100%	-	-
Students from other states of India	NIL	NIL	-	-
NRI students	NIL	NIL	-	-
Foreign Students	NIL	NIL	-	-
Total				

25. Dropout rate in UG and PG (average of last two batches)	UG-0.011 PG-0.013
26. Unit cost of education **a) Including salary component** **b) Excluding salary component**	 a) 36786/- b) 1671/-
27. Does the college offer any programmes in distance education mode (DEP)	No

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

offered			
Programme level	**Faculty**	**Programme**	**Student-teacher ratio**
UG	Arts	English	27:1
		Malayalam	24:1
		History	40:1
		Economics	40:1
	Commerce	B Com	45:1
		BBA	30:1
	Science	Botany	20:1
		Chemistry	20:1
		Physics	20:1
		Mathematics	32:1
		Zoology	20:1
		Instrumentation	20:1
PG	Science	Chemistry	12:1
		Mathematics	6:1
	Commerce	M. Com	10:1

29. Is the college applying for accreditation		
1st cycle	2nd cycle √	3rd cycle

30. Date of accreditation	1st cycle	10-02-2007
31. Number of teaching days during last academic year		180
32. Date of establishment of IQAC		31-03-2007
33. Details regarding submission of AQAR		AQAR 2011-12 on 25-03-17 AQAR 2012-13 on 25-03-17 AQAR 2013-14 on 25-03-17 AQAR 2014-15 on 25-03-17 AQAR 2015-16 on 25-03-17
34. Any other relevant data (not covered above) the college would like to include		Nil

SECTION II CRITERIA-WISE INPUT

CRITERION I: Curricular Aspects

1.1 Curriculum planning and implementation

1.1.1. State the vision and mission of the institution.

VISION OF THE COLLEGE

The institution works with a broad vision to empower society through knowledge and to equip it to face the challenges and needs of emerging world. "Empowerment through Uncompromising Quality Education" is the vision of our institution. The prime endeavor of the institution is the empowerment of society, especially the socially and economically backward community of the area through knowledge and to equip it to face the challenges and needs of emerging world.

MISSION OF THE COLLEGE:

- Towards excellence through hardwork and commitment
- To provide quality education for all with minimum financial burden
- To train the students in social services and environmental problems
- To develop empathy towards fellow being thus promoting love, affection, compassion and to make them good citizens.
- To appreciate and respect all faiths, foster self and community development and promote religious harmony leading to national integration
- To create a teaching - learning environment conductive to the pursuit of higher knowledge, relevant skills and experience
- To include new developments in education into the curriculum so as to promote academic advancement leading to national development
- To develop skilled personnel through vocational and entrepreneurial education
- To create research environment which can lead to consultancy and extension

- To sensitize the students on socio-economic issues (emphasizing on gender and human rights) through co-curricular activities
- To insist on care and concern for other individuals

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.

The college rigorously follows the academic guidelines set by the University of Calicut. In compliance with the curriculum, Principal in thorough consultation with IQAC, works out a general academic calendar which is effectively implemented through the Academic Audit Cell and the concerned Heads of the Departments. Teaching schedules and timetables are prepared by the Departments which is reviewed through regular Departmental meetings. Departments are given autonomy in devising their own teaching methodologies including group discussions, student seminars, peer teaching and ICT enabled teaching/learning. Proportionate coverage of syllabus within stipulated period and conducting of common internal examinations form part of the academic schedule. IQAC confirms that the results of internal examinations are published by the Departments and class PTA meetings are convened after an evaluation by the tutor to discuss the progress and requirements of the students. Academically weak students are given extra care. Regular enrichment programmes and project works add to the overall enhancement of the student quality.

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 practice?

Each faculty member plays a crucial role in complementing the academic plan, abiding by the rules of the college. The Administration Wing provides necessary infrastructure for imparting quality education to students. Modern teaching aids are made use of in conducting classes effectively. The faculty members show keen interest in participating in various faculty development programmes, workshops, seminars, conferences etc. to update their knowledge and they are given whole-hearted support by the authorities. In addition, opportunity of interaction with

eminent personalities and updation of knowledge is achieved through extension programmes and seminars organised by the Departments. Internet facility is put to its maximum use to supplement the teaching/learning process.

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

Effective implementation of the curriculum prescribed by the University is achieved by maintaining adequate infrastructural facilities including ICT facilities, laboratories and class rooms. Financial assistance from funding agencies and Government are utilised for infrastructural development. Internet facility and library supplement the effective curriculum delivery. Overall co-ordination of the effective implementation of curriculum and utilisation of infrastructural facilities is monitored by IQAC and requirements are brought to the notice of the management and Principal.

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

The institution maintains close contact with research centers and industry for supplementing academic and job opportunities of the students. Industrial visit is part of the curriculum for several Departments like Physics, Chemistry, Botany, Zoology, Instrumentation etc. The nearby institutions as well as outside state industries are selected for visit. Some of the B.Sc instrumentation students carry out their project work in industrial sectors. Chemistry PG students gets opportunity to do their project work in institutes like IIT Palakkad, IRTC, Malabar Cements etc. Research facilities offered by the Sophisticated Instrumentation Testing Centre, CUSAT is also utilised by the Chemistry Department for various analytical purpose. Faculty makes use of the orientation and refresher courses offered from time to time by the Academic Staff College of the University. Placement cell keeps in touch with various industries and firms to ensure placement of capable students.

1.1.6 What are the contributions of the institution and/or its staff members to

the development of the curriculum of the University?

The institution being an aided affiliated college, has limited freedom in designing its own curriculum. However, it makes its own contribution in curriculum development through its faculty members who serve as members of board of studies through their suggestions and active participation. Faculty members also undertake chairmanship in answer paper evaluation and Practical Examinations.

Sl. No:	Name of faculty	Department	Board of studies/ examiners
1	Dr. V.K Sudhakaran	Commerce	Senate Member, PG Question Paper Board Chairman, Kerala University, Question Board Chairman and Ph.D evaluation of Kannur University, Ph.D Guideship with Bharathiyar University.
2	Dr.K.Vasudevan Pillai	Physics	Chairman Board of Studies, Instrumentation, University of Calicut, Chairman Instrumentation theory and practical Examination, Chairman, CV camp, Instrumentation
3	Dr. K Lalitha	Mathematics	PG Board of Studies, University of Calicut, Chairperson, C.V camp, M.Sc Mathematics
4	Dr. N Ajith Kumar	Malayalam	PG Board of Studies, Kerala University, Advisory Board member of Academic Staff College, Pondicherry University
5	V. Devidasan	English	Chairman, CV camp and Decentralised evaluation English. Question paper setter for UG, Kerala University
6	V.S.Nalinakumari	Commerce	UG Board of studies, University of Calicut

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.

The institution being an affiliated college has to follow strictly the curriculum decided by the affiliating University of Calicut.

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

The institution ensures the achievement of the objectives of curriculum by following an academic calendar for completion of syllabus and conducting of internal examinations in due time. The progressive evaluation of the coverage of portions is done by the concerned Heads of the Department through regular meeting and discussions with the faculty members. The feedback from the students collected at the end of the year for an introspective analysis serves as a platform in making necessary alterations in the course plans. Feedback from parents during class PTA is subjected to a detailed discussion to evolve remedial measures to make up for the lapses, if any, for boosting the performance levels. Interactions with alumni also aids in improving our standards.

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 institution does not offer courses of such category. However, it takes care to provide students with sessions pertaining to life skill and personality development as part of the enrichment programmes.

1.2.2 Does the institution offer programmes that facilitate twinning dual degree? If 'yes', give details.

As per the statutes of the University of Calicut, there is no provision for such courses.

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. Issues may cover the following and beyond:

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

The institution strictly follows the curriculum set by the University and this limits our academic flexibility. The flexibility is provided to students in choosing their programme provided they satisfy the minimum criteria laid down by the University. All the courses are chosen abiding the framework of University regulations. With the inception of the Choice Based Credit and Semester System, the students get an option to choose the elective and open courses from those prescribed in the syllabus.

Choice Based Credit System and range of subject options

The Choice Based Credit Semester System insists on the study of common and complementary courses for all programmes. In addition, all the UG programmes offer open courses which are of inter disciplinary nature. Students have the freedom to choose any course other than that offered by the parent Department. Students also have the freedom to choose the elective courses during the final semester. The courses chosen by each Departments is tabulated.

Department	Programme	Open Course	Elective Course
English	BA	Creative writing in English	World Classics in Translation.
Malayalam	BA	Sahithyavum Sargathmakarachanayum	Vivarthanam
Economics	BA	Banking	Environmental Economics
History	BA	Historial Tourism	History of Human Rights
Commerce	B.Com (Finance)	Basic Accounting	Financial Reporting, Financial Management, Financial Markets and services, Fundamentals of Investment
	BBA (Finance)	E-Commerce	Indian Financial System, Investment Management, Income Tax, Working Capital Management.

Botany	B.Sc	Horticulture and Nursery Management	Genetics and Crop improvement
Chemistry	B.Sc	Environmental Chemistry	Polymer Chemistry
Instrumentation	B.Sc	Elements of Environmental Science	Instruments Principles and Applications
Mathematics	B.Sc	Mathematics for Natural Sciences	Graph Theory
Physics	B.Sc	Non-Conventional Energy Sources	Nano Science and Technology
Zoology	B.Sc	Human Health and Sex Education	Human Genetics
Mathematics	M.Sc		Algebraic Number Theory, Measure and Integration
Commerce	M.Com		Financial Management, Security Analysis and Portfolio Management, Strategic Financial management, Tax Planning and Management.
Chemistry	M.Sc		Synthetic Organic Chemistry, Instrumental methods of analysis, Bio organic and Organometallic Chemistry

Courses offered in modular form

All courses follow a modular form

Credit transfer and accumulation facility

There is no provision for credit transfer and accumulation

Lateral and vertical mobility within and across programmes and courses

Such mobility is restricted to open courses only

Enrichment courses

As per the present situation, there is no enrichment course. However, the open courses chosen by certain Department comes under the purview of enrichment

courses.

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 any self-financing 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 career guidance and placement cell takes the initiative in organizing programmes benefitting the skill development in the students. Soft skill and personality development, spoken English, etc is given priority. Major guidelines for facing NET/JAM and other competitive examinations are also offered by concerned Departments. Additional Skill Acquisition Programme (ASAP) provides opportunities for students to undergo training in the field and become peer trainers. WWS also provides ample opportunities to the students to prove their extra talents.

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 ofstudents?

There is no provision for such flexibility in accordance with the norms of University of Calicut.

1.3. Curriculum Enrichment

1.3.1. Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

The college is putting the best possible efforts to supplement the University's curriculum and ensure that academic programmes and institution's goals and objectives are integrated. Departments are given support in the organizing of seminars/ workshops. Students are also encouraged to participate in programmes

hosted by the neighbouring colleges. Any occasion of interaction with eminent scholars in concerned areas is promoted by the institution. Special attention is devoted to inculcate a spirit of compassion and moral values in the students. Some of the faculty are members on the Board of Studies. They contribute a lot in redesigning the University's curriculum whereby the institution's goals and objectives are integrated to some extent.

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

The college has no right to modify the curriculum stipulated by the University. However, the institution tries its best to enrich and organize the curriculum to cater to the job opportunities. This is achieved through the academic and non-academic help rendered to the students through career guidance and counselling.

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?

Inspite of the co-education offered by the institution, 80% of the students are girls. The institution provides an environment of gender equity giving prime importance to Women Empowerment. Equal Opportunity cell in collaboration with Women Cell and Ladies club organizes programmes concerning women empowerment, domestic violence against women, cyber crime, health and sanitation, etc. Legal awareness classes are also provided to the students. Ladies club offers tailoring classes to girl students during free hours. International Women's day (March 8) is celebrated by Organising Seminars and Awareness programmes attended by State Women's Commission Member.

The institution takes special interest in environmental protection. World Environment Day and Ozone Day are observed in the College under the guidance of N.S.S and N.C.C units and nature club by planting of trees. Extra care is devoted to make the campus plastic free to the maximum possible extent. Human Rights and

Awareness forum works with an intention to create a general awareness about human rights among student community. Celebration of Human Rights Day is carried out by organizing class campaigning.

Prime importance is given to impart ICT education to our students, teaching and nonteaching staff. Smart class room facility is made use of by the faculty members and students for seminar/ project presentations and in teaching/ learning purpose. Computers with internet facility are provided to all Departments. A well-equipped Language Lab works under the initiative of the English Department and is made use of in teaching of Phonetics and Communicative English.

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

Moral and ethical values

The current scenario whereby crimes, corruption etc are gaining high momentum in society points to the need for developing moral and ethical values in the young generation. This is achieved through value based education imparted to students along with academic sessions. Tutorial system provides a platform for the purpose where students are enlightened through group discussions and debates.

Employable and Life Skills

The various clubs and Committees in the college jointly undertake the task of making the students competent to face real life situations.

Better career Options

In addition to the academic training, Personality and soft skill development training, career guidance sessions and campus placements equip students to select best career options and to meet the challenges in life.

Community orientation

N.S.S and N.C.C units play a crucial role in providing community orientation to the students through their camps as well as social initiatives.

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

The feedback received from stakeholders play an important role in enriching and updating the curriculum. Student evaluation of teacher is given prime importance. The data collected each year is analysed by IQAC and intimated to concerned Departments for necessary actions. The suggestions from parents obtained through PTA meetings are also compiled for the purpose of curriculum enrichment. PTA meetings gives opportunity to parents to communicate any shortcomings or suggest any alteration for enhancing the academic performance.

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

The quality of the enrichment programmes is evaluated by the respective Departments by collecting feedback from the beneficiaries from within and outside the campus. The feedback received from stakeholders play an important role in enriching and updating the curriculum. The result is made use of in the further organizing of the same.

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?

The introduction of the Choice Based Credit and Semester System at the UG level and semester system at the PG level has brought an overall change in the curriculum. Formative assessment and the grading system was newly introduced. Some of the faculty members were part of the syllabus revisal workshops conducted by the University during the time. Faculty members serving as members of Board of Studies were also directly involved in the process. Faculty members also get an option to give their suggestions to the Chairman of concerned Board of Studies before implementation of the syllabus. Another shift in the system was executed during the academic year 2014-15 when the marking system was reintroduced in paper valuation and grading is confined to overall performance.

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 students being the primary stake holders, their feedback is given top priority. Programme-wise and curriculum based feedback is collected from the students by the concerned Departments and transferred to the IQAC for processing. After statistical analysis, IQAC conveys the results to the individual Departments. This is kept in view during interactions with peer group from other institutions, alumni and parents. General matters are brought to common discussion in staff meeting or college council if necessary. Issues concerning individual Departments are solved by communication with the Board of Studies which takes remedial measures.

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?

B.A Malayalam and M.Sc Chemistry are the new courses introduced during the last four years. The process for the introduction of M.Sc course was initiated keeping in mind the constraints faced by the UG students in pursuing higher education in the subject. The nearby college which offers a PG programme in the discipline is at a distance of over 30 kms from our institution. Most of the students, being from economically backward category finds it difficult to pursue education in far-off places. Same is the case with B.A Malayalam Course which is not offered by any of the institutions in the backward area to which the college belongs. Further, the Heads of these Departments took special interest since they are research guides in their respective areas.

CRITERION II

Teaching, Learning and Evaluation

2.1 Student Enrolment and Profile

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

Admissions were under the dominion of the colleges during the academic years 2011-12 and 2012-13. Notification regarding the commencement of the admission process is done by the University in leading newspapers. The college also puts up the procedures in the college notice board. The admission process is strictly governed by the Government and University rules and regulations. The application forms received are tabulated on merit basis and admissions are done according to existing vacancies under each category.

Single-window system for admissions was opted by the University since the academic year 2013-14. This leaves the college with a limited role in the admission process. The admission process is methodically planned and implemented by the Admission Wing of University of Calicut through online procedure. Prior to the start of the procedure each college appoints a Nodal Officer who uploads details of their existing courses and vacancies to the University. Eligible students can upload their credentials in the prescribed format by logging into the University website. There are provisions for selecting colleges as well as courses of their choice, which was limited to 20. Colleges act as nodal centres to aid the students in uploading the details. Each student is provided with a CAP ID which is utilised for all further communications in this regard. Three or four allotments are done on requirement basis of colleges. Vacancy positions are uploaded by the college in the University site after each allotment. Students get an option to wait for their higher options before taking permanent admission in a college. A spot allotment is conducted during the last stage to ensure filling of all the seats. The college ensures complete transparency in the process by insisting that all the candidates who turn up till the time notified by the University are included for the preparation of the rank list which

is published on the notice board after being countersigned by the Principal and Nodal Officer.

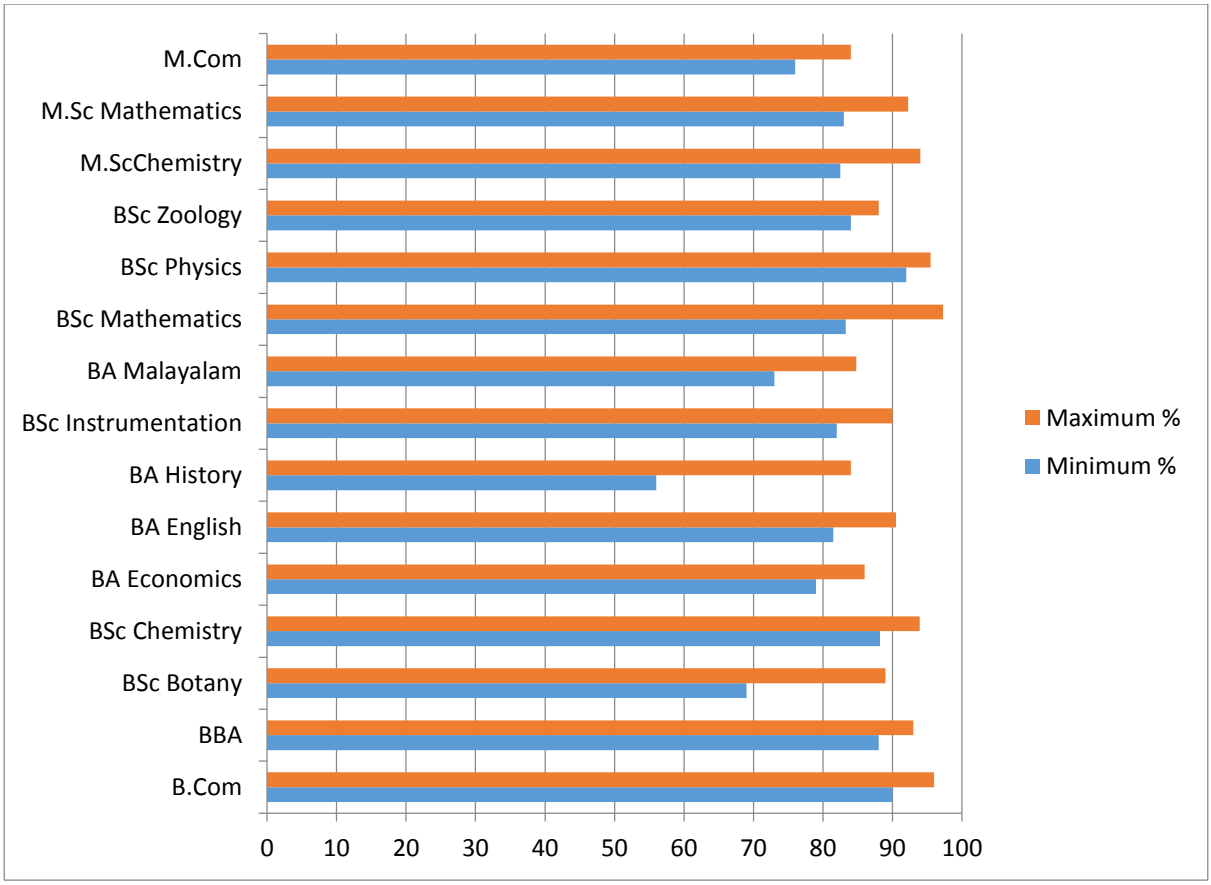
2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

There is no provision for conduct of entrance examination for admission since the courses offered by the institution do not come under such stream. Admission is completed as per the norms of the University. According to the existing norms, 50 per cent seats come under the general category, 20 per cent each for SC/ST and Management quota, and 10 per cent for community merit. Seats are also reserved for physically disabled and sports category in each course as notified by University from time to time. Due weightage is given for N.C.C and N.S.S activity and to children of Ex-servicemen and to students excelling in Arts on the basis of University guidelines. The admissions are done on the basis of the allotment list published by the University. The current status of admission is intimated to the University after each allotment. Before admitting the candidates, each Department verifies the details including the marks uploaded by them while registering for the admission process. Any discrepancy is intimated to the University for further action. Selection of candidates for sports and community quota are also done on a strictly merit basis adhering to the procedures prescribed for the same by Government and University. Selection of candidates under management quota is done by the management from among the applicants on merit cum means method.

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.

The following table shows the details of the minimum and maximum percentage of marks for admission at the entry level for different programmes offered by the college during the academic year 2015-16. A comparison with other colleges is not available since the data is processed at the University level

Sl.No.	Programme level	Programme	Minimum %	Maximum %
1.	UG (General Merit)	B.Com	90	96
2.		BBA	88	93
3.		Botany	69	89
4.		Chemistry	88.2	93.9
5.		Economics	79	86
6.		English	81.5	90.5
7.		History	56	84
8.		Instrumentation	82	90
9.		Malayalam	73	84.8
10.		Mathematics	83.3	97.3
11.		Physics	92	95.5
12.		Zoology	84	88
13.	PG (General Merit)	M.ScChemistry	82.5	94
14.		M.Sc Mathematics	83	92.25
15.		M.Com	76	84



2.1.4 Is there a mechanism in the Institution to review the admissionprocess 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 institution does not have the authority to review the admission process and student profile since it is managed entirely at the University level. An admission committee headed by the Nodal Officer has been constituted at the institution level as per the guidelines issued by the University. Anomalies or shortcomings of the process is assessed by the Nodal officer and intimated to the University for remedial action. Admission committee in the college level headed by the Nodal Officer ensures that the admission process is unbiased. After closing the admissions, each Department takes pain to collect a detailed student profile which includes their personal details and background. The data is entrusted with the group tutor who caters to the special needs of each students based on their academic level and economic background.

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.

The institution ensures the filling of each of the mentioned quotas in compliance with the norms provided by the University and with utmost transparency.

***SC/ST*:** Minimum eligibility for the SC/ST students is a pass in the qualifying examination as in the case of general candidates. As per Government and University norms, 20 per cent of the total seats is reserved for such candidates (15 per cent for SC and 5 per cent for ST). Separate allotment is done by the University for these catagories and the institution takes extreme care to ensure every opportunity to accommodate those who get allotment by granting extra time for furnishing supporting documents wherever necessary. The institution caters to the financial needs of such students by timely completion of the applications for e-grants.

***OBC*:** As per the existing norms, there is no provision for reservation of seats to OBC candidates in aided colleges. However, they receive consideration in the

absence of SC/ST candidates.

***Women*:** The institution offers a pattern of co-education, where no special consideration is provided on gender basis. However, as per the existing trends, girls outnumber boys in the admission process for most of the programmes. The institution ensures gender equity in all aspects. Some of the students avail the Government scholarship for single girl child.

***Differently abled*:** One or two seats are reserved for each progtramme for the differently abled over and above the sanctioned strength, as per the guidelines issued by the University and these are filled from the allotment/waiting list published by the University on the basis of merit. Special attention is devoted to differently abled students. Classes are shifted to the ground floor for their convenience. Human and mechanical aids are provided as and when required. A ramp facility has also been provided at specific points for the easy entry of the students into the building.

***Economically weaker sections*:** There is no provision for admission of economically weaker students in aided colleges. Institution takes special care in providing assistance for the procuring of scholarship and financial assistance to the economically backward students. Most of our students come under this category on account of its rural background.

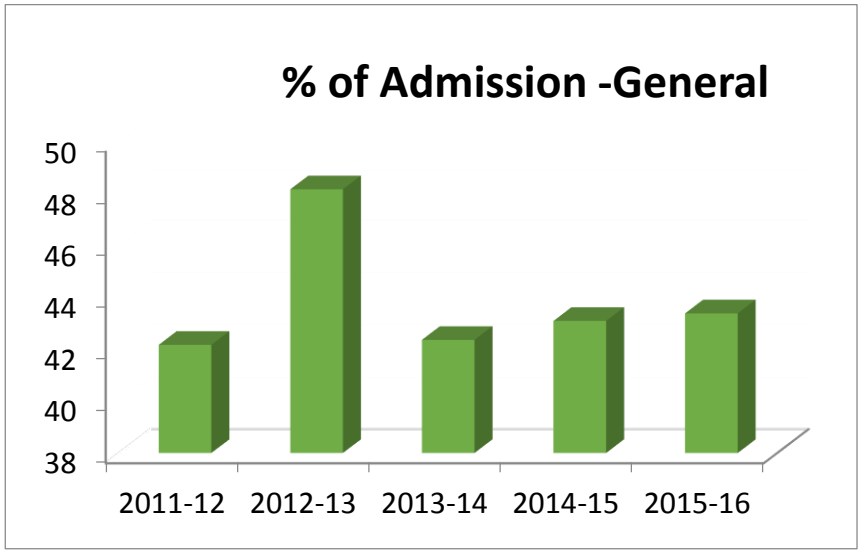
***Minority community*:** Current pattern does not offer any reservation in admission to such candidates. However, they are eligible for scholarships and assistance based on Government policies.

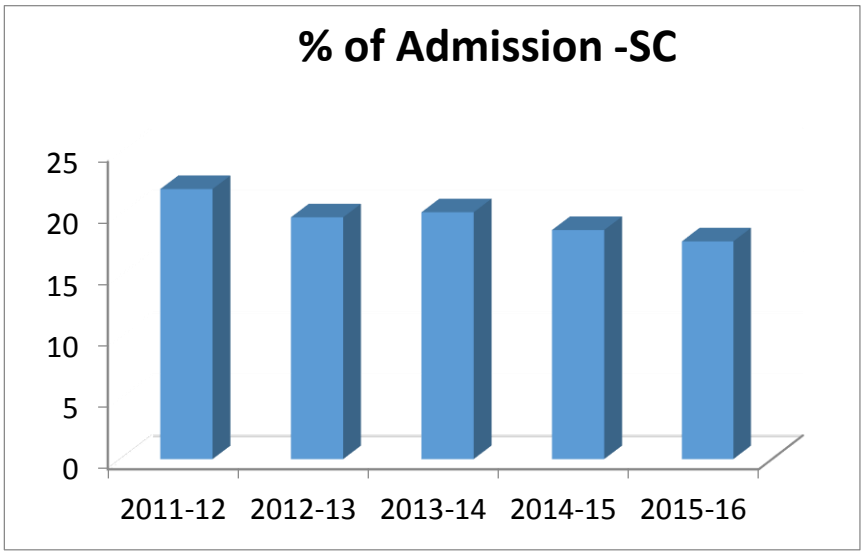
***Sports Quota*:** Two seats are reserved for each UG programme for students excelling in sports and games as per the guidelines of the Calicut University. The institution invites applications from eligible registered candidates and seats are filled on merit basis. Admissions are made ascertaining the student's records and achievements in sports at the qualifying course. Concessions are given according to merit.

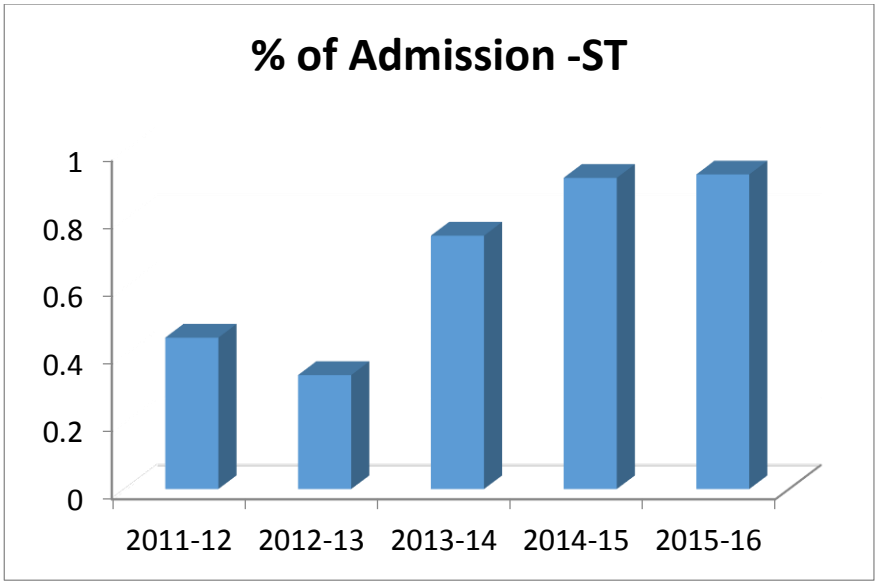
The table below shows the percentage of admitted students who fall under

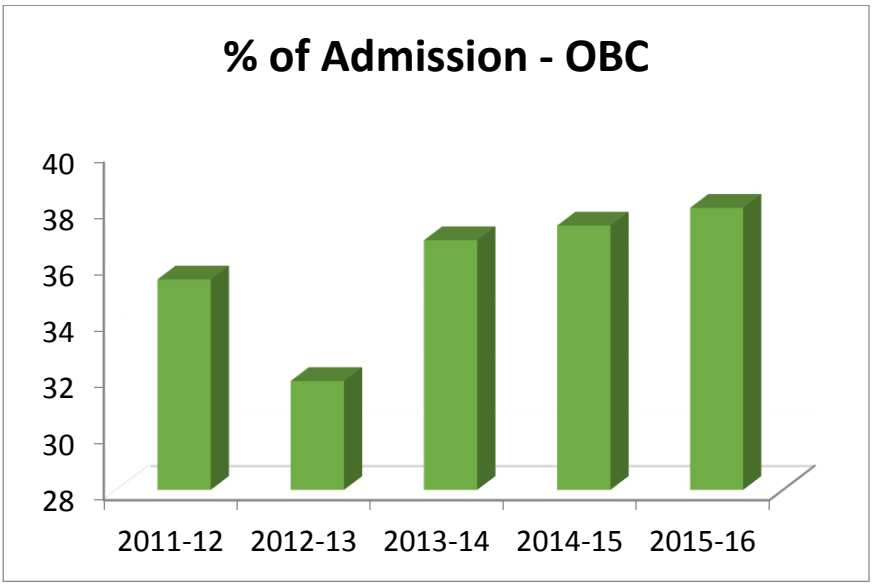
each category during the last five years.

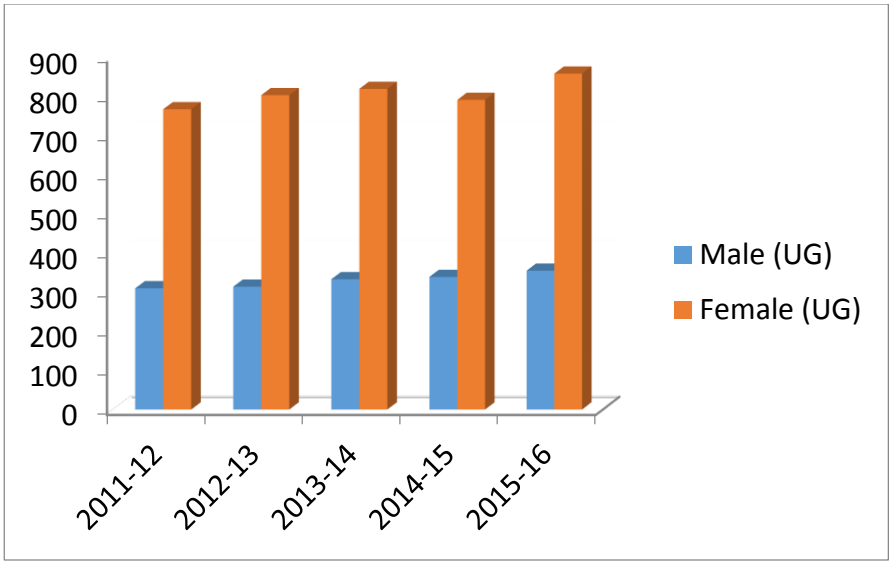
Sl. No:	Category	Year	No: of Students				Total	%
			UG		*PG*			
			Male	*Female*	*Male*	*Female*		
1	General	2011-12	179	265	2	27	473	42.16
		2012-13	185	353	4	17	559	48.15
		2013-14	186	296	3	24	509	42.35
		2014-15	193	290	4	27	514	43.08
		2015-16	174	351	5	29	559	43.37
2	SC	2011-12	71	170	-	5	246	21.93
		2012-13	67	149	-	12	228	19.64
		2013-14	71	164	-	6	241	20.05
		2014-15	68	146	2	6	222	18.61
		2015-16	76	139	2	11	228	17.69
3	ST	2011-12	-	5	-	-	5	0.45
		2012-13	-	4	-	-	4	0.34
		2013-14	1	8	-	-	9	0.75
		2014-15	7	4	-	-	11	0.92
		2015-16	8	4	-	-	12	0.93
4	OBC	2011-12	58	325	-	15	398	35.47
		2012-13	60	295	-	15	370	31.87
		2013-14	73	349	2	19	443	36.86
		2014-15	69	349	3	25	446	37.38
		2015-16	95	362	1	32	490	38.01

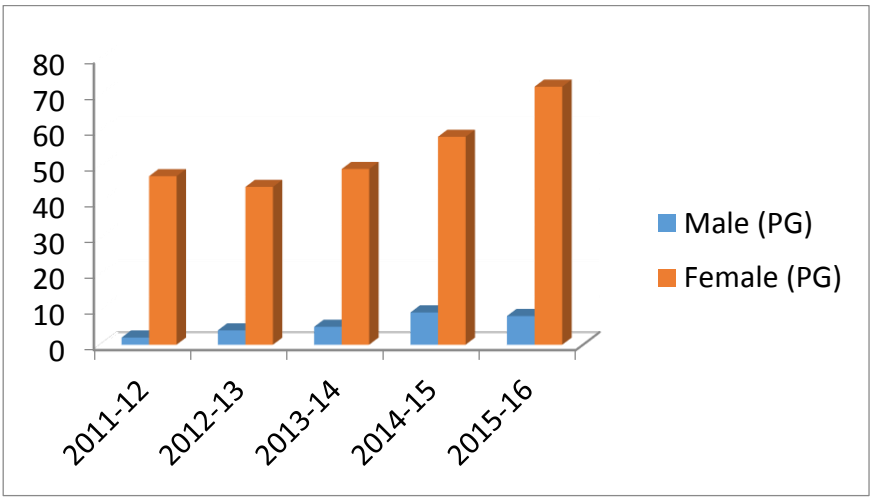



% of Admission -SC
25
20
15
10
5
0
2011-12
2012-13
2013-14
2014-15
2015-16


% of Admission -ST
1
0.8
0.6
0.4
0.2
0
2011-12
2012-13
2013-14
2014-15
2015-16


% of Admission - OBC
40
38
36
34
32
30
28
2011-12
2012-13
2013-14
2014-15
2015-16


900
800
700
600
500
400
300
200
100
0
2011-12
2012-13
2013-14
2014-15
2015-16
Male (UG)
Female (UG)


80
70
60
50
40
30
20
10
0
2011-12
2012-13
2013-14
2014-15
2015-16
Male (PG)
Female (PG)

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.

PROGRAMMES	Year	No. of applications	No. Admitted	DEMAND RATIO
B.A Economics	2011-12	1815	47	1:39
	2012-13	1692	44	1:38
	2013-14	CAP	44	-
	2014-15	CAP	40	-
	2015-16	CAP	51	-
BA Malayalam	2014-15	249	24	1:10
	2015-16	CAP	33	-
B.A English	2011-12	1868	29	1:64
	2012-13	1732	28	1:62
	2013-14	CAP	29	-
	2014-15	CAP	23	-
	2015-16	CAP	32	-
B.A History	2011-12	1568	49	1:32
	2012-13	1132	42	1:27
	2013-14	CAP	44	-
	2014-15	CAP	40	-
	2015-16	CAP	51	-
BBA	2011-12	825	24	1:34
	2012-13	920	29	1:32
	2013-14	CAP	33	-
	2014-15	CAP	33	-
	2015-16	CAP	36	-
B.Com	2011-12	1400	60	1:23
	2012-13	1450	60	1:24
	2013-14	CAP	58	-
	2014-15	CAP	58	-

	2015-16	CAP	59	-
B.Sc Botany	2011-12	383	28	1:14
	2012-13	367	27	1:14
	2013-14	CAP	26	-
	2014-15	CAP	24	-
	2015-16	CAP	31	-
B.Sc Chemistry	2011-12	560	26	1:22
	2012-13	679	27	1:25
	2013-14	CAP	29	-
	2014-15	CAP	23	-
	2015-16	CAP	30	-
B.Sc Instrumentation	2011-12	550	27	1:20
	2012-13	596	28	1:21
	2013-14	CAP	27	-
	2014-15	CAP	24	-
	2015-16	CAP	31	-
B.Sc Mathematics	2011-12	360	43	1:8
	2012-13	395	43	1:9
	2013-14	CAP	44	-
	2014-15	CAP	39	-
	2015-16	CAP	48	-
B.Sc Physics	2011-12	786	22	1:36
	2012-13	818	22	1:37
	2013-14	CAP	24	-
	2014-15	CAP	20	-
	2015-16	CAP	25	-
B.Sc Zoology	2011-12	384	22	1:17
	2012-13	368	27	1:14
	2013-14	CAP	26	-
	2014-15	CAP	24	-
	2015-16	CAP	30	-
	2011-12	CAP	14	-

M.Com	2012-13	420	12	1:35
	2013-14	CAP	13	-
	2014-15	CAP	12	-
	2015-16	CAP	14	-
M.Sc Mathematics	2011-12	CAP	10	-
	2012-13	63	13	1:5
	2013-14	CAP	8	-
	2014-15	CAP	12	-
	2015-16	CAP	14	-
MSc Chemistry	2013-14	89	12	1:7
	2014-15	CAP	12	-
	2015-16	CAP	12	-

A steady demand ratio has been maintained by theinstitution with regard to all the programmes.

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 strictly adheres to the reservation policies of Government and University during the admission processes and complies with all the instructions regarding the reservation of seats for the differently abled students issued by the University from time to time. Classes are shifted to the ground floor for their convenience. Comfortable seating positions are provided in the class rooms and is always accompanied by support from class mates. Additional care when required is provided by the faculty members. Differentially abled students are provided with the service of scribes for the external examinations as per University regulations.

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?

Admission to students is on the basis of the allotment list provided by the

University. Any request for programme or college change is considered according to the norms. The general capabilities of the students are assessed by the Departments during the admission process through interaction with parents and subsequent collection of personal profile. Due support and encouragement is given to the extra-curricular talents of students. Group tutors take extreme care in analyzing the students' needs and arranges sessions for meeting the requirements in consultation with Counselling, Career guidance and the various other cells functioning in the college.

2.2.3 What are the strategies drawn and deployed by the Institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice (Bridge/Remedial/Add-on/Enrichment courses, etc.)?

Institution takes it as a general practice each year to render the students an overview of the semester system including general discipline, procedure of continuous evaluation and examination patterns by arranging induction programmes during the first week of admission. They are also given information regarding the extension programmes like N.S.S, N.C.C etc and encouraged to participate in the same. The faculty members make it a point to offer a supplementary class where the basics of the concerned subjects are summarised. The tutorial system helps to identify the constraintsin students and to provide due attention. They are provided with an open platform for expressing their views during tutorial hours. Academically weak students are given support through SSP (Schloar Support Programme) classes. WWS (Walk With A Scholar) aids in evoking the potentials in meritorious students. Due guidance is also given to students in choosing the open course during the fifth semester according to their taste. Project work during the final semester gives the students practical know-how. They are also equipped to make power point presentations regarding their work.

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

The extension activities organised by various Departments and committees deal with issues related to gender, inclusion and environment. The institution takes

it as a prime responsibility to ensure gender equity. The equal opportunity cell joins hands with the Women Empowerment Cell to work for the cause of enlightening the girl students and evoking their potentials. Sessions on various aspects including domestic violence against women, cyber-crime, health and hygiene etc. are offered under the auspices of the cell. Legal awareness classes are arranged for the benefit of students in collaboration with the Legal Service Society. The women's grievance redressal cell, constituted as per the directives of the UGC handles the grievances, if any, of the female students and the women members of the staff.

The significance of environmental protection and healthy sustenance is conveyed to the staff and students through activities of N.S.S and Nature Club. Several programmes on environmental awareness are organised. Nature Camp and N.S.S camps share awareness regarding environmental sustenance for the existence of life on earth. Students are provided with vegetable seeds to evoke interest in farming. Planting of trees is undertaken on occasions of Environmental Day, Vanamahotsava, Ozone Day etc.

The College believes that charity begins at home. Therefore the concerted and harmonious endeavors of NSS, NCC and co-curricular clubs of the College are aimed at realising the commitment of the College towards institution-neighbourhood community. The College assumes the role of a light house in disseminating the light of knowledge and philanthropy to result in the holistic development of the society which will have a repercussion on the students changing them radically leading to social awareness for individual contribution to alleviate social and personal miseries. A bird's eye view of the activities of different functionaries is as follows:-

Organizer	**Programme**	**Nature**
	Gender	
N.S.S.	An AIDS awareness rally and public meeting	Sensitization programmes
N.S.S	Free karate training was given to girl students.	Practical Session

Women Empowerment Cell	Stitching Classes, Awareness on law related to domestic violence, cyber-crime etc.	Practical and talks
N.S.S.	Personality Development and Motivation	Public awareness lecture
Committee on Healthy Practices	Yoga and its benefits	Lecture cum Demonstration
Social Responsibility		
N.S.S.	Campaign against drug usage	Talk andPosters
N.S.S,N.C.C andCollege Union	Helping the poor and needy by visiting old age homes and orphanage s with a supply of food and dress materials.	Sensitization
N.S.S,N.C.C andCollege Union	Need for Blood Donation and Facts related to Blood Donation	Blood Donation Camps
N.S.S.	extension activities	Road construction, house renovation etc.
Environment		
Department of Botany and P.G. Department of Commerce and Management Studies	Promotion of students' interest on organic and terrace farming	Cultivation
N.S.S.	World Without War	Awareness talk
N.S.S.	Waste Management	Public awareness lecture
N.S.S,N.C.C andCollege Union	Planting trees and creating alertness among students for minimising plastic wastes.	World Environment day and Ozone Day Celebrations

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

Tutorial system enables identification of talented students and all efforts are

taken to provide them with assistance to nurture their aptitudes. WWS proves extremely beneficial in this regard. Internet and library facility is made use of to its maximum possible extent to provide supplementary and advanced knowledge in the concerned subjects. Seminars/ workshops conducted in the institution and near-by colleges provide opportunity to familiarise with the recent trends and also interact with eminent personalities. Provision to carry out the project work, which forms part of curriculum, in outside institutions are also instrumental in providing hands-own experience to students on recent technology.

2.2.6 How does the institute collect, analyze 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.)?

Individual records concerning academic data of the students belonging to all categories of students are maintained in concerned Departments. Any case of irregularity in attendance is met by suitable follow-up action to identify the cause and its rectification. Tutorial system offers a vital contribution in identification of slow learners and economically weaker sections. Financial assistance encourage the students to go ahead to complete the course. Slow learners are given attention through remedial Coaching and Scholar Support Programmes. Job opportunities (Army recruitment etc) have been a major cause for the student drop out. A few are attracted towards Professional courses. Post marital constraints in the case of girl students are given due support and consideration so as to motivate them to complete their course. The drop-out rate as recorded by our institution is very negligible.

2.3 Teaching- Learning Process

2.3.1 How does the college plan and organise the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)?

A comprehensive teaching plan and list of extension activities to be undertaken is worked out by the concerned Departments at the beginning of each academic year. This is monitored by IQAC and suggestions are provided for

alterations needed, if any. An academic calendar is chalked out by the IQAC keeping in view the academic calendar by the University. Teachers are expected to maintain an individual teaching plan and work diary for verification by the authorities. Periodic review through Departmental Meetings offers effective implementation of the action plan. Any loss of working day due to unforeseen events is compensated by extra classes by concerned faculty. Class room teaching is also complemented by invited talks and seminars. Web and library resources are made use of in procuring extensive knowledge in a field. Study tours and industrial visits supplement the learning process. Academic progress of the students is monitored and evaluated through a pattern of continuous evaluation through class tests, assignments and seminars. Common internal examinations are conducted twice a semester and the results are published in the notice board. Class PTA convened after each internal examination ensures that the parents are kept informed of the progress of their wards. Attendance is given prime importance during assessment and a consolidated Attendance report is uploaded to the University before registration for External Examination. The internal evaluation sheet is circulated among students for signature before uploading to the University. Any grievances regarding internal evaluation is taken up first by the concerned Heads of the Departments and if necessary, dealt by the grievance redressal cell. A student friendly environment prevails in the campus, with students being given every opportunity to improve their performance.

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

The IQAC has been instrumental in promoting quality enhancement and sustenance in teaching/ learning process by co-ordinating the academic and extra-curricular activities of the college. It assists the faculty to motivate the students and to provide them academic and personal counselling. Academic and infra structural requirements of the institution is given due consideration by the IQAC. It facilitates a learner-centric environment in the college for imparting quality education. The performance of each department is assessed annually based on student evaluation of teachers and the constraints are pointed out for the betterment of future performances. Proper maintenance of the equipments and smart class facility comes under the purview of IQAC. Utilisation of ICT facilities by faculty members for

teaching/ learning process is insisted whenever possible. Digital Language lab under the department of English was established in 2012 with the initiative from IQAC. IQAC promotes the research culture of the institution by giving due support and guidance to the research committee. Faculty members are encouraged to take up funded projects. Organisation of seminars and invited lectures are supported by IQAC. Participation of teachers in Faculty Development Programmes is encouraged.

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?

Learning is made student centric through experimental, collective and interactive learning methodologies. Study tours, industrial visits and project works, which form part of curriculum provides practical know-how to the students. Participatory projects, group discussions and interaction with eminent personalities during seminars/ workshops, contributes towards the exchange of knowledge *via*collective and interactive learning. Audio-Visual aids also lends help in enhancing interactive learning. Students are given training to develop independent learning skills through assignments and seminars which promote a spirit of research and problem solving. Project and student seminar presentations help the students to get acquainted with the current advances in ICT. Opportunities for peer teaching is also provided on certain occasions.

2.3.4. How does the Institution nurture critical thinking, creativity and scientific temper among the students to transform them into lifelong learners and innovators?

Institution offers an atmosphere suitable for the development of scientific temper and critical thinking. Care is taken by teachers to give topics demanding involvement and critical thinking for project works. Innovative ideas are collected from students to foster scientific temper and they are encouraged to prepare project works on them. The students learn the basic aspects of research during the project work. Interaction with eminent academicians also promote a spirit of critical thinking and scientific temper in students. Creative writing skills are promoted through wall magazines and Departmental magazines. The Institution publishes a

college magazine as part of College Union activity which demands contributions from students. The Head of the Institution acts as the Chief Editor. A staff editor nominated by the College Council and a student Editor elected by the students coordinate the necessary work. Participation in the activities of NSS, NCC, Film Club, Music Club, Nadham Club etc. boost the creativity, team spirit, self-esteem, environmental consciousness and individuality of the student community.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching?

The seminar hall is well - equipped with audio-visual aids including LCD projector and interactive board for project and seminar presentations. Some of the Departments are also provided with projectors and interactive boards which is shared for use by other Departments also. The faculty members and students make use of the internet facility available in Departments and common computer lab to update their knowledge and improving teaching/ learning efficiency. Every department and lab is furnished with scanners and printers which can be easily accessed by the faculty members. The setting up of a Language Laboratory has helped the students to keep pace with modern technology in the language teaching-learning process. Reference materials in each subject is made available to students through a common library and Departmental libraries.

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

The institution renders whole-hearted support to faculty members aspiring for academic excellence. Participation of teachers in Faculty Development Programmes is encouraged. They are given guidance and moral support in submission of project and seminar proposals. Research committee ensures that full support is given to faculty members in publishing of their work in research journals. Faculty members are keen to utilise every opportunity for the presentation of their works in National/ international Seminars. Many of our faculty members are pursuing Ph.D. FIP assistance has been availed by three teachers during the last five years for completing their Ph.D. PG students are allowed to attend seminars organised by near-by institutions. Expert lectures, seminars, symposiums and

workshops are conducted by inviting Resource persons at the regional and national level to provide an exposure to the faculty and students to recent trends.Students are prompted to update their knowledge through newspapers and reference books and internet facilities. Interaction with eminent academicians during invited lectures aids in up-gradation of knowledge and skills.

2.3.7. Detail (process and the number of students\benefitted) on the academic, personal and psycho-social support and guidance services (professionalcounselling/mentoring/academic advise) provided to students?

The psycho-social support for the students starts right from the time of admission. The Heads of Departments try to have a personal rapport with the parents and students while completing the admission process to have a know-how of the background of each students. An induction programme for the first semester students is followed as a regular practice in our institution. This serves a lot to introduce the students to the Semester system, which is completely new to them. Matters of general discipline, formative evaluation and examination pattern is briefed during the session. The College follows a system wherein each teacher is assigned a batch of students and the teacher acts as a mentor for the batch. It is the responsibility of the group tutor to collect the personal profile of the students. Tutor keeps a record of each and every detail pertaining to the students. Tutorial sessions provide opportunity to freely discuss any grievances or suggestions on the part of students.Tutor identifies the academically weak students and also the top meritorious students and they are given extra care and guidance through programmes like SSP and WWS. The career guidance cell of the college makes it a point to organise personality and skill development programmes for the holistic development of the students. Awareness classes on socially relevant issues supplements the academic development of the students. The Women Empowerment Cell of the college has proved to be a strong supportive unit which strives for the betterment of girl students through sessions helping them to identify their talents and potentials. Adequate guidance is also provided by individual Departments to students preparing for competitive examinations.Motivation is given to all students to pursue higher education utilising even a minor chance. Students also enjoy Campus placement options.

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 faulty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The institution is striving its best to keep up with the rapid changes in the field of Higher Education. Efforts are directed to keep pace with the innovative practices in teaching/learning process. Use of ICT and audio-visual aids is adopted by the teachers whenever possible. The facility is also made use of during the project presentations during the final semester. Peer group teaching is implemented experimentally on certain occasions.

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

Library resources play a crucial role accomplishing effectual teaching/ learning. The institution has a well-maintained common library with an aggregate of around 30,000 books. Each year new books are added utilising the available funds keeping in view the recent trends and curriculum changes. In spite of the acute space shortage, the library caters to the needs of the students in best possible ways by providing a computer assisted cataloguing of the available books. Library is made accessible to the students during break time and lunch intervals. Reference books are made use of by the students for preparation of assignments and seminars. Many of the Departments are supplemented with their own libraries which enhances the ease of availability of books to the students. Internet facility is also provided in the library.

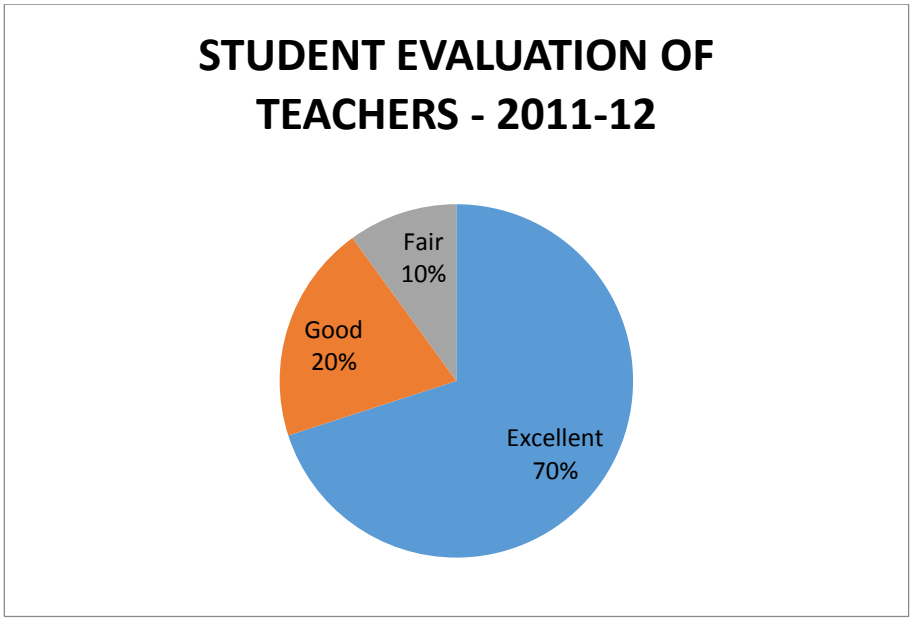
2.3.10. Does the Institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the Institutional approaches to overcome these.

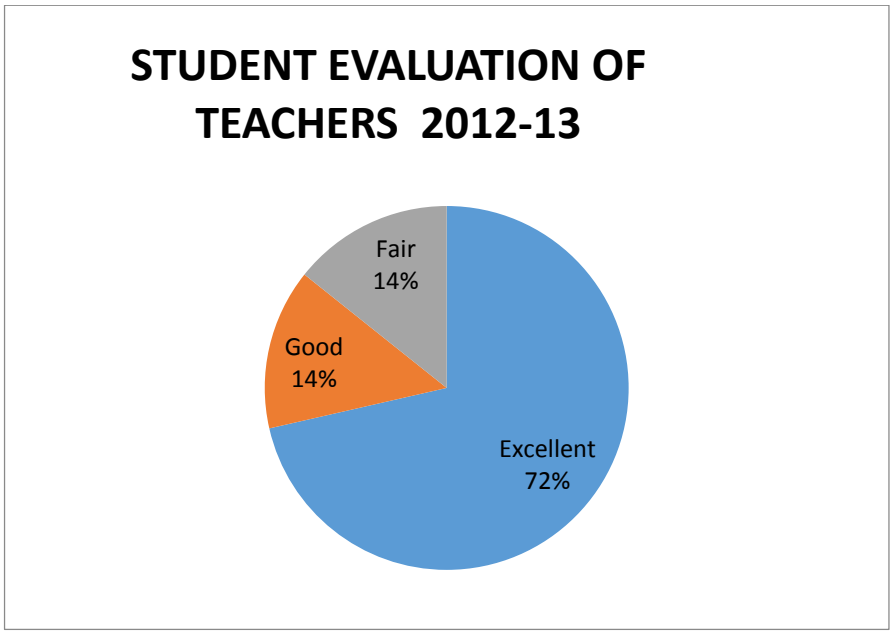
With the introduction of the semester systems, the prescribed number of working days as per the University norms has been fixed as 90 days per semester. However, the number of extra-curricular and extension activities and other unforeseen events set a limit to the actual teaching days available. This is overcome by engaging extra classes during holidays and zero hours and thus the college successfully completes this period of time. Care is taken to engage all the classes

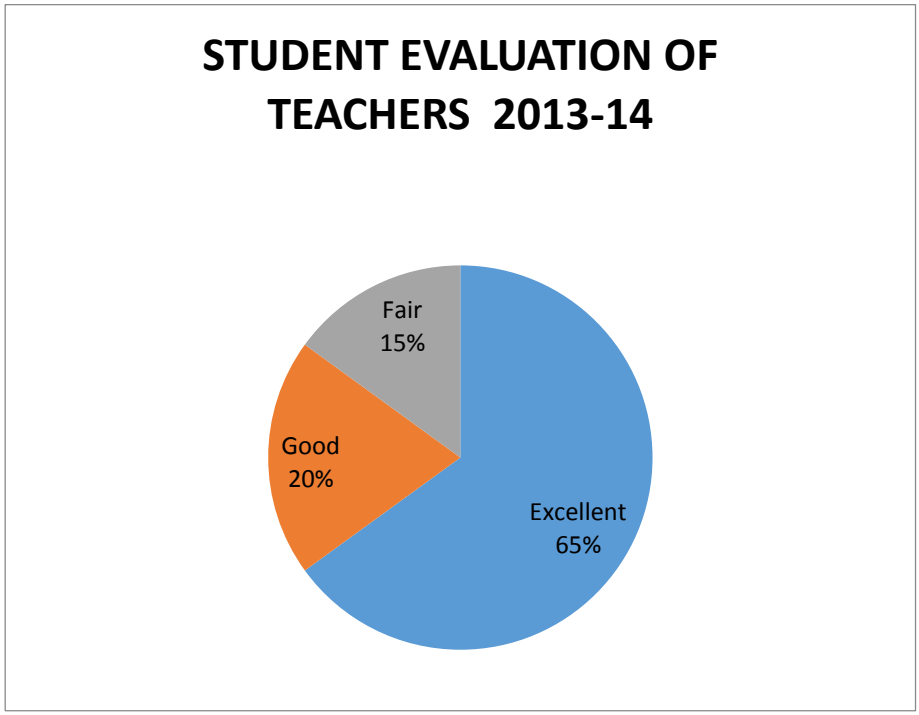
during available teaching days. Completing the curriculum within the planned time frame is a real challenge due to the shortage of time and exhaustive nature of topics. Special time table is set in case of necessity to give preference to the subjects lagging behind. Academically weak students are provided with remedial coaching.

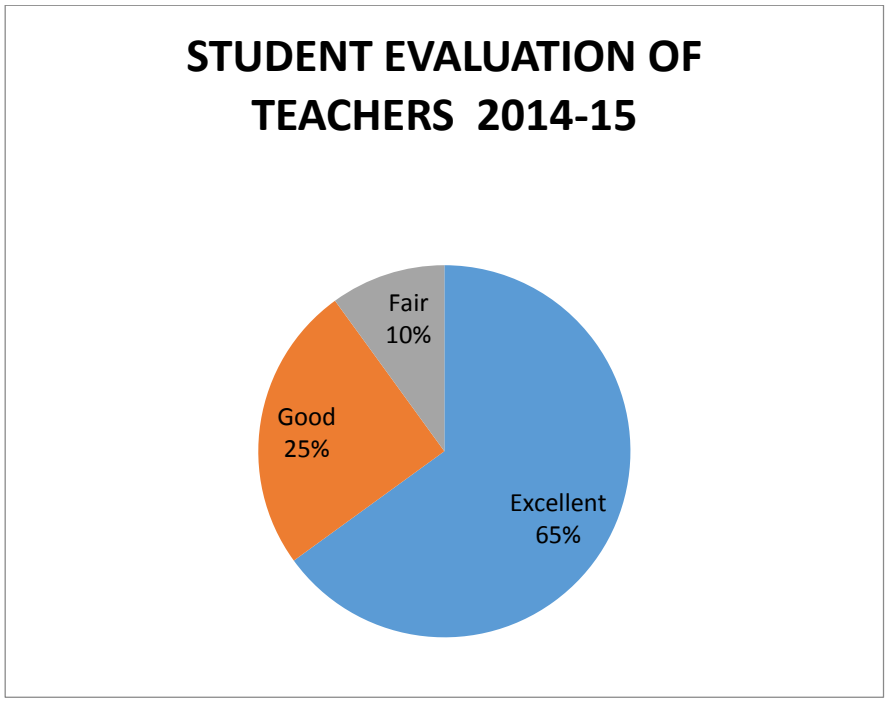
2.3.11. How does the institute monitor and evaluate the quality of teaching learning?

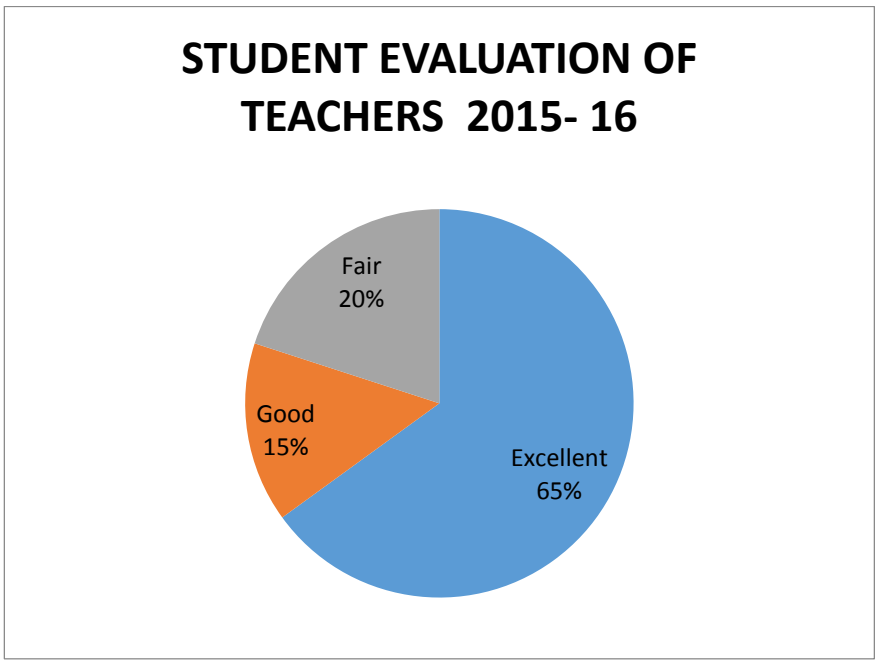
The quality of teaching/ learning is ensured at different levels.The Departments adhere to the academic calendar set by the IQAC and Academic Audit Cell at the beginning of the year. The Heads of Departments ensure that the teachers maintain a work diary and that all the classes are engaged. Academic progress is monitored through regular class tests and discussed during Departmental meetings for any amendments. General and Departmental PTA meetings provide a forum for generation of feedback. At the end of the year Course-wise and teacher-wise assessment of students is collected maintaining confidentiality and handed over to IQAC for statistical analysis. The report is intimated to concerned faculties in a positive manner for any remedial actions. A consolidated report of the feedback analysis during the last five years is presented below.




STUDENT EVALUATION OF TEACHERS 2012-13
Fair 14%
Good 14%
Excellent 72%


STUDENT EVALUATION OF TEACHERS 2013-14
Fair 15%
Good 20%
Excellent 65%



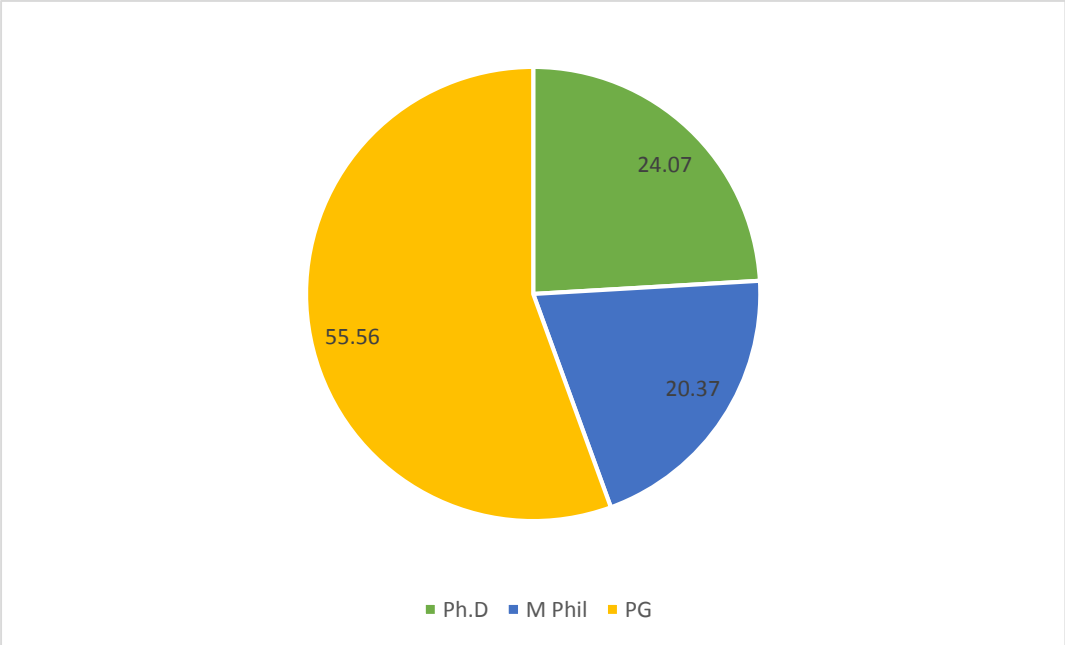


2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategiesadopted 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	Associate professor		Assistant professor		Total
	Male	Female	Male	Female	
Permanent Faculty					
Ph.D	2	3	2	6	13
M.Phil	2	1	2	6	11
PG	2	3	6	19	30
Temporary Faculty					
Ph.D	-	-	-	-	-
M.Phil	-	-	-	1	1
PG	-	-	1	13	14



Qualification Profile- Permanent Teachers

The institution strictly adheres to the rules of UGC, Government of Kerala and University of Calicut in faculty recruitment, which is done by the corporate management. Preference is given to meritorious candidates with

excellent academic background and professional qualifications. Any unfilled vacancy is managed by appointing guest faculty after advertisements in leading newspapers followed by interview. The Management encourages all faculty members to participate in academic programmes including seminars in keeping with the requirements of the changing curriculum. Attempts to undertake projects and pursue higher qualifications is duly given assistance. The policy of participative and decentralised management creates a sense of collective responsibility in faculty members. Freedom of expression of views and academic autonomy is a binding force holding teachers to the system.

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.

Introduction of new courses is managed by making available the service of competent experts in the area. Interaction with these personalities combined with the opportunities to attend seminars/ workshops in respective areas helps the faculty members to overcome their limitations and face the subject with confidence. Faculty Development Programmes offered by the Academic Staff College also aid in coping with new streams of knowledge. A workshop funded by KSHEC was organised on the topic of General Informatics under the effort of the Department of Commerce when the topic of informatics was introduced in the curriculum. A National Seminar on Bioinformatics was hosted by the Zoology Department.

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:

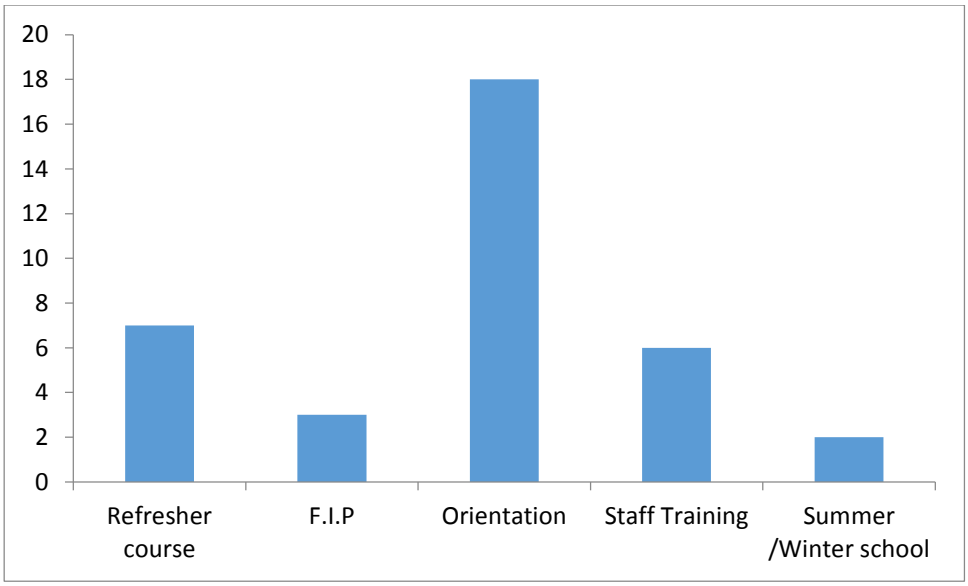
Faculty / Staff Development Programmes	Number of faculty benefitted

	2011-12	2012-13	2013-14	2014-15	2015-16
Refresher courses	2	-	3	-	2
UGC – Faculty Improvement Programme	2	1	-	1	1
HRD programmes	-	-	-	-	-
Orientation programmes	-	4	-	8	6
Faculty exchange programme	-	--	-	-	-
Staff training conducted by other institutions	-	-	-	-	2
Staff training conducted by the university	1	3	-	-	2
Summer / Winter schools, Workshops, etc.	-	-	-	1	1

List of Faculty/Office Staff who have benefitted from the various training programmes

Sl. No.	Name of Faculty	Orientation Programme	Refresher Programme	Faculty Improvement Programme	Training Workshop	Staff Training Programme	Summer/ Winter School
1	Aiswarya M.	-	-	-	-	-	√
2	AnilChandran S.	√	-	-	-	-	
3	Anitha A.	-	-	√	-	-	
4	Babin B.	√	-	-	-	-	
5	Biju R.K.	-	√	-	-	-	
6	Devidasan V.	-	-	-	-	√	
7	Divya N	√	-	-	-	-	
8	Jessica Sudheer M	√	-	-	-	-	
9	Jyothylekshmi P	-	-	√	-	-	
10	Kalidas M.G.	√	-	-	-	-	
11	Radhika R.	-	-	√	-	-	
12	Rajesh R.	√	√	-	-	√	
13	Rekha P.S.	√	√	-	√	-	
14	Roshi K. Das	√	-	-	-	-	
15	Salini C.	-	√	-	-	-	
16	Sanalkumar S.	-	√	-	-	-	
17	Sanoop S.	√	-	-	-	-	
18	Seema Menon	√	-	-	-	-	
19	Shyamala M.	√	-	-	-	-	

20	Sindhu K.P.	√	-	-	-	-	√
21	P. Suresh Babu	√	-	-	-	-	
22	Thulsi K.A.	-	-	-	-	√	
23	Vinayakan R.	√	-	-	-	-	
24	Vysakh C.	√	-	-	-	-	
25	Zereena Viji	√	√		√		
26	Deepak S	√					
27	Ranjith Kumar A	√					
28	Subha S (Librarian)	-	√	-	-	-	
29	Manikandan K. (Office)	-	-	-	-	√	
30	Muraleedharan A (Office)	-	-	-	-	√	
31	Radhakrishnan P.R (Office))	-	-	-	-	√	



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

The faculty members are given sufficient training on the use of ICT facilities for teaching/ learning process. Workshops and Seminars based on Informaticswere organized mobilizing funds from agencies for equipping the teachers for handling the new topic.

Training Programmes offered to Teachers

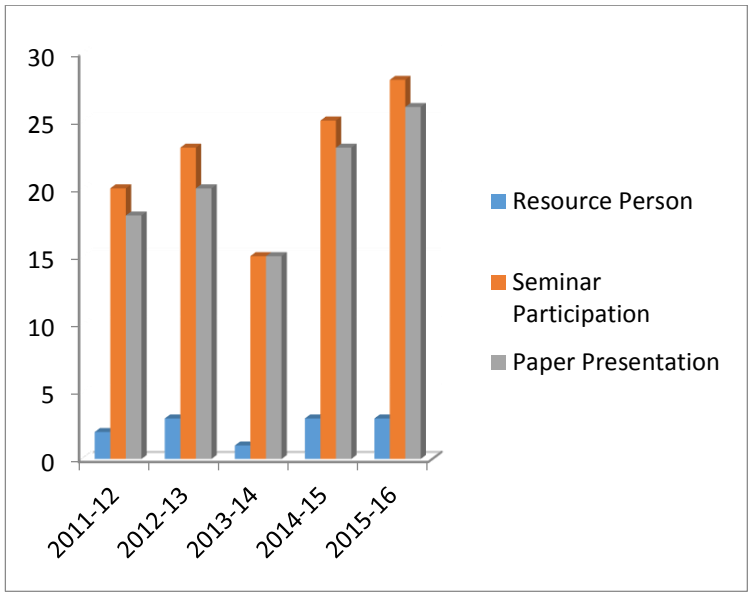
Title	Funding agency	Year
Workshop on General Informatics	KSHEC	2011-12
Bioinformatics Concepts, Skills and Applications	UGC	2011-12
Emerging trends in Instrumentation and Control	UGC	2014-15

Use of audio-visual aids and interactive boards are familiarized to the faculty members through practical sessions. Chemistry Department took initiative for the shift of practical sessions from semi micro to microscale mode. Training to students was provided through practical sessions led by experts in the area. Our faculty members are also involved in the preparation of teaching materials.

FACULTY	DEPARTMENT	TITLE OF THE BOOK	PUBLISHER
Sanal Kumar S	Instrumentation	General Informatics – for Third semester (Core Course) B.Com/BBA/HM Degree Programme.	National Publishing House
Sanal Kumar S	Instrumentation	Computer Applications in Economics – for Fifth semester B.A (Economics) (Core Course) Degree Programme.	National Publishing House
Sanal Kumar S	Instrumentation	General and Bioinformatics: Core Course Botany.	Manjusha Publications
Sanal Kumar S	Instrumentation	General Informatics and Bioinformatics: Core Course Zoology.	Manjusha Publications
Sanal Kumar.S	Instrumentation	General Informatics, Core Course English.	Manjusha Publications
Sanal Kumar.S	Instrumentation	General Informatics Methodologies in Plant Science. Core Course Botany. Second Semester BSc Degree Programme, M.G University.	Manjusha Publications
Vijesh Venugopal	Commerce	Corporate Accounting- Bcom Third Semester Core Course Calicut University	University of Calicut – SDE

Vijesh Venugopal	Commerce	Banking and Insurance – Bcom/BBA Fourth Semester Common Course Calicut University	University of Calicut – SDE
Shyamala M.	Commerce	Human Resource Management- Bcom Fifth Semester Core Course Calicut University	University of Calicut – SDE

Category	**PERCENTAGE OF FACULTY**				
	2011-12	2012-13	2013-14	2014-15	2015-16
Invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies	2	3	1	3	3
Participated in external Workshops/Seminars/Conferencesrecognized by national/international professional bodies	20	23	15	25	28
Presented papers in Workshops / Seminars/conferencesconducted or recognized by professional agencies	18	20	15	23	26



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.)?

Institution takes it an important point to revitalize the teachers of the institution inorder to negotiate their responsibilities. Our institution supports the faculty members to update the latest tech nologies in their discipline through refresher courses, seminars and workshops. Pursuing of higher educational qualifications like M.Phil and Ph.D are given encouragement. Assistance is rendered to avail FIP assistance for pursuit of such programmes. Orientation courses provide the teachers with new spirit and motivation. Teachers are readily given duty leave for participating in such programmes. Research committee acts as a source of inspiration to faculty members in publishing their research work.

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.

NIL

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?

An effective methodology for the Student Evaluation of Teachers is done by the institution. Feedbacks are collected from the students by the concerned Departments and handed over to IQAC for compilation. The results after statistical analysis is intimated to the concerned HODs in a positive manner for remedial measures, if any. This mechanism ensures revamping of the faculty to safeguard a better academic ambience.

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?

Curriculum revisal is always supplemented by an orientation programme led by expert hands for the faculty members. Students are given a general awareness about the semester system through an induction programme organized at the start of the First Semester classes. Departments provide a total idea of the continuous evaluation process and the formative pattern of assessment to the students. The continuous assessment marks awarded takes into consideration attendance percentage, assignment and seminars in addition to model test papers. The Departments ensure that the students sign the evaluation report before uploading the same to the University. Any grievance on the part of students regarding the internal evaluation is addressed first by the concerned Departments and unsolved cases are referred to the grievance redressal cell.

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?

Choice-based credit and semester system (CBCSS) was introduced bythe Calicut University for UG courses from the academic year 2009-10, which resulted in a drastic shift in the evaluation pattern to grading system. Another revisal was effected from 2014 admission onwards when CUCBCSS was introduced which

evaluates students by awarding marks which is later converted into seven point grading scale. Semester System was implemented for PG admissions from 2010 admissions onwards. The evaluation consists of two components- internal and external. On a general basis, 20 per cent of the total marks are devoted to internal evaluation and the rest 80 per cent forms the external component. Formative and continuous evaluation pattern is followed for the internal assessment where attendance, seminar presentation and assignment submission is given due weightage. Rest is allotted for two model test papers. The institution strictly implements the criteria laid down by the University in evaluation process.

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?

Institution strictly abides by the evaluation pattern prescribed by the University. The assessment includes an external as well as internal component. The Internal evaluation is done by the institution in line with the University pattern. Internal evaluation has several components which include attendance, seminar presentations, assignments and model test papers. Two common internal examinations are conducted by the institution. This is done by appointing an internal coordinator for examinations who sets up a common timetable and ensures the smooth conduct of examinations. The answer scripts are valued in a time-bound fashion and marks are published. Class PTA meetings are convened to intimate the parents of the progress of their wards and to decide upon any remedial measures to be adopted in improving standards. The internal assessment is completed by the concerned faculty taking into consideration the other components. The prepared list is circulated among students for ratification before uploading to the University. Grievances if any are dealt at the Department level and unsolved cases are left to the Grievance redressal cell.

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

The formative evaluation as prescribed by the University includes the internal assessment carried out by the institution. Consideration is given to

attendance, seminars/assignments and test papers. The participation of the students in extracurricular activities including arts, sports, N.C.C, N.S.S etc. is given due consideration while carrying out the formative evaluation. Summative assessment is carried out by the University at the end of each semester. The paper valuation is conducted through centralized camp valuation. In the case of practical courses, an internal model examination is conducted by the concerned Departments and evaluation is done based on regularity, skill and practical test. External evaluation of practical courses and project work is done by examiners appointed by the University. Viva-voce also forms a part of the assessment.

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 behavioral aspects, independent learning, communication skills etc.

According to the CUCBCSS pattern effective from 2014 admissions, due weightage is given to the behavioral aspects like punctuality, independent learning and communication skills as indicated in the table of components of evaluation.

Representative chart of Components of Internal Evaluation*

	Theory		Practical	
	Component	Max Marks	Component	Max Marks
1	Attendance	5	Attendance	5
2	Test papers I and II	5+5	Skill and punctuality	4
3	Assignment	2	Laboratory record	4
4	Seminar/viva	3	Model Tests I and II	2+2
5			Viva-voce	3
	Total	**20**		**20**

Slight variations in distribution may be observed from one course to another

Attendance is given a weightage of around 25 per cent. An attendance above 90 per cent is essential for getting full credits. Students having attendance percentage of 75 are eligible for University examinationregistration. Those having attendance percentage below 75 are made to complete condonation formalities before same.

Significant weightage is given to practical skills and punctuality. Assignment preparation requires an independent work on the part of students and seminar presentations and viva-voce enumerates the communication skills of the candidate. Test papers form only part of the assessment criteria. Thus the evaluation pattern may be regarded as a holistic one ensuring the overall development of students.
Seven point indirect grading system is implemented for overall evaluation.

% of marks	Grade	Range of Grade points	Interpretation	Class
90 and above	A^+	5.5-6	Outstanding	First class with distinction
80- below 90	A	4.5-5.49	Excellent	
70-below 80	B	3.5-4.49	Very Good	Distinction
60-below 70	C	2.5-3.49	Good	
50- below 60	D	1.5-2.49	Satisfactory	Second class
40- below 50	E	0.5-1.49	Pass/ Adequate	Pass
Below 40	F	0-0.49	Failure	Fail

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?

The institution, being an affiliated aided college coming under the jurisdiction of Calicut University, is bound to uphold the attributes specified. This includes promotion of core value of higher education. Every effort is put forth in equipping the students with life skills, motivation, confidence and compassion so as to meet the challenges of the world. Academic and extracurricular activities are directed so as to create a generation of self-reliant and socially responsible citizens for the development of the nation

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

Internal Evaluation comes under the dominion of the institution. It has a well-defined pattern for assessment in compliance with the University criteria which is to be followed by all Departments. A consolidation of the internal evaluation is done

by the group tutor by collecting data from involved Departments. The consolidated report is circulated among the students for cross-checking for any clerical errors. Any grievance on the part of students is undertaken by the tutor and kept in Department Council where the Head of the Department takes steps for any action to be taken. Unresolved cases are left to the Grievance redressal cell of the institution.

Regarding external evaluation, the whole process is completed by the University and the Semester results are published. Any case of common grievance is brought to the notice of the University by the concerned Departments through the respective Board of Studies. Students get an option to recheck or revalue their answer papers after payment of the prescribed fees to the University.

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?

In keeping with the vision and mission of the College, the institution does have a clearly stated learning outcome to uplift the socially and economically vulnerable sections of the local community. Students are expected to attain a level of competency to comprehend and apply their knowledge along with cherishing the moral values and compassion for fellow beings. This is explicitly stated during the induction programme offered to the students after their admissions. The Department takes it as a responsibility to pass the same to students throughout the duration of the course. A periodic assessment regarding the achievement of stated outcome is done by the Departments as well as IQAC. The college calendar also highlights the vision and mission of the college concerning learning outcome.

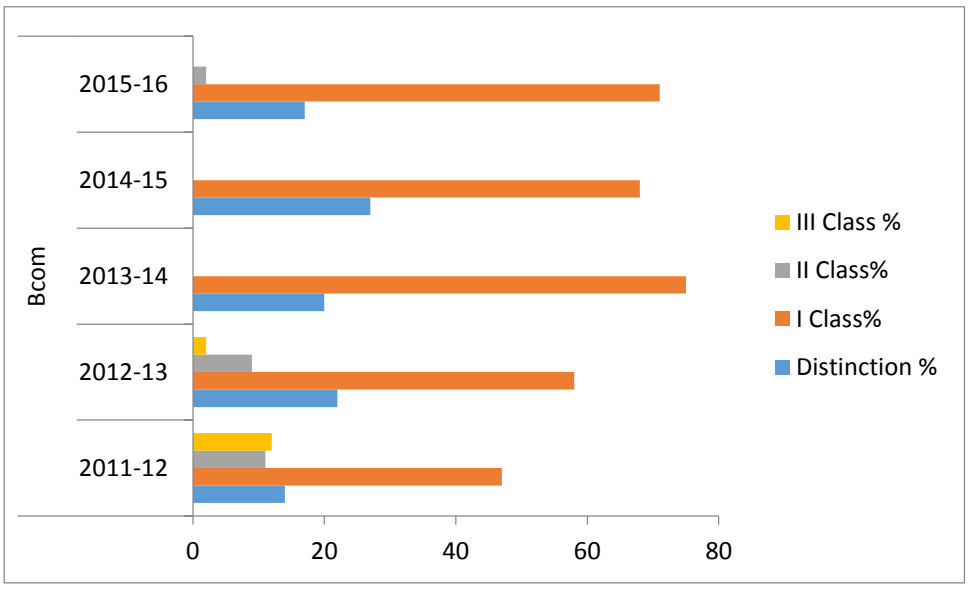
2.6.2 Enumerate on how the Institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the student's results / achievements (Programme/course wise for last four years) and explain the differences if any and patterns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

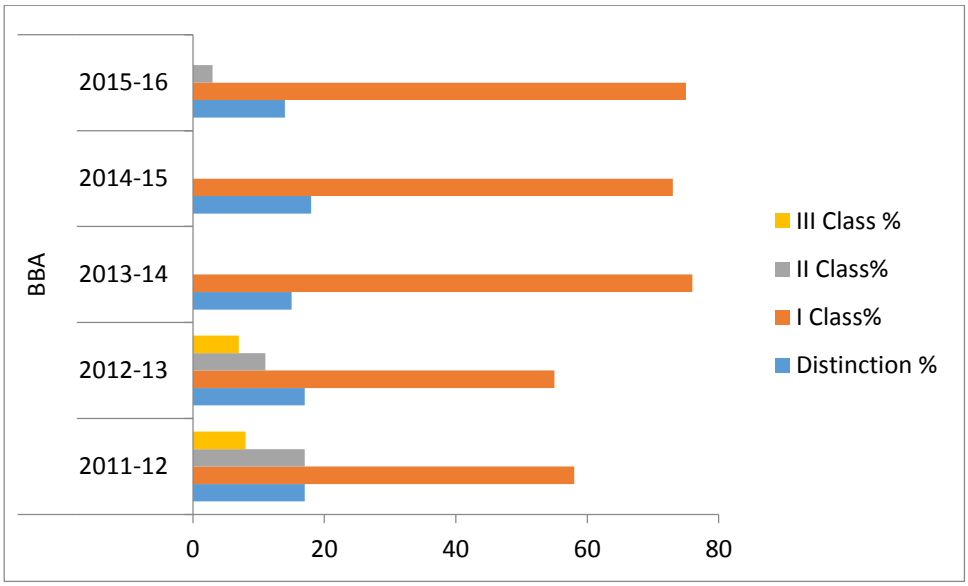
The monitoring of the academic progress is done throughout the year in the form of regular class tests and common internal examinations. Internal evaluation

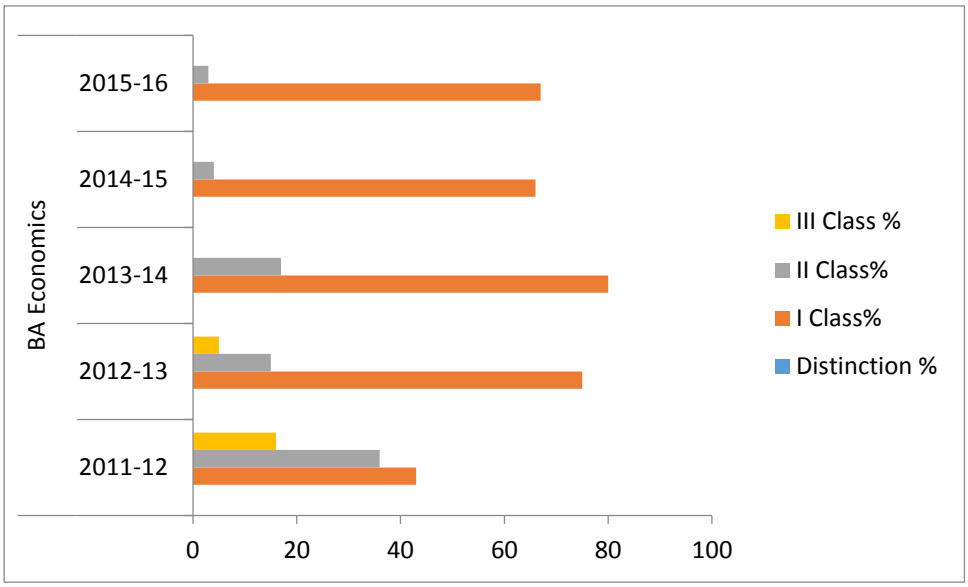
results are tabulated by the Departments for any support measures to be adopted. The institution takes it as a routine to analyse the outcome of the University results each year to get an idea of the positions of each Departments.

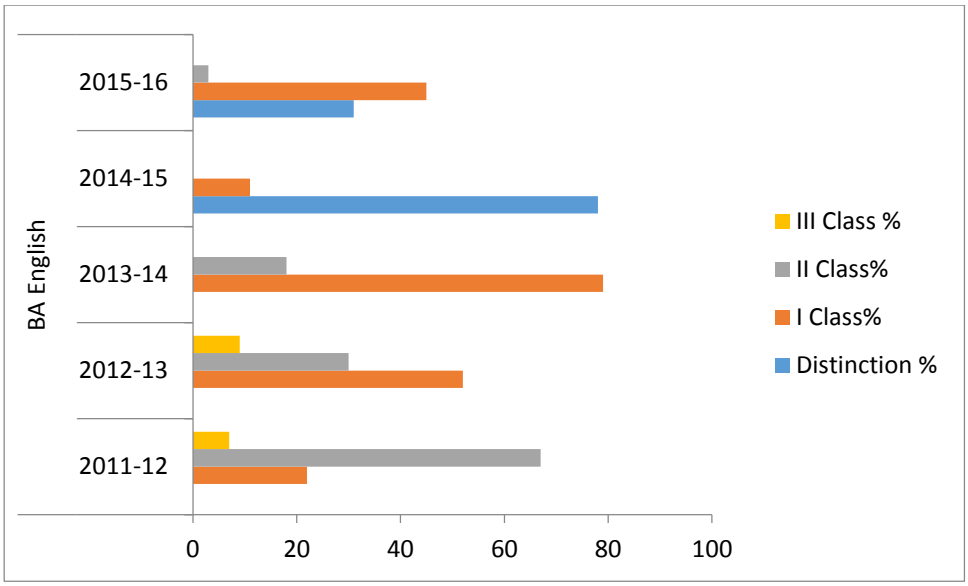
Consolidated report of the Pass Percentage of the Departments

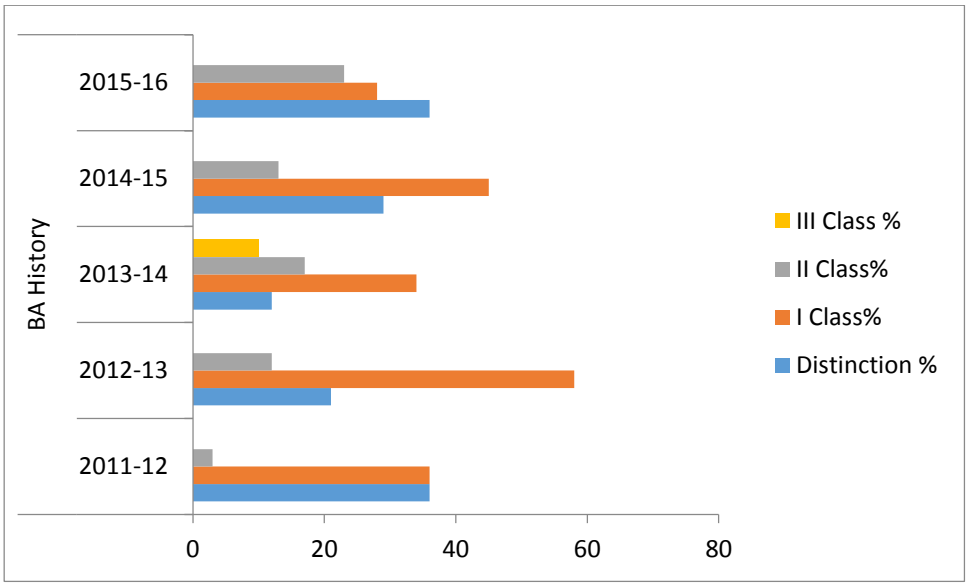
Course	2011-12	2012-13	2013-14	2014-15	2015-16
B.Com	95	91	95	95	90
BBA	100	90	91	91	92
B.A Economics	95	95	97	70	70
B.A English	96	91	79	96	89
B.A History	75	91	73	87	87
B.Sc. Botany	91	92	84	93	80
B.Sc. Chemistry	83	57	76	69	92
B.Sc Instrumentation	100	100	100	85	73
B.Sc. Mathematics	94	72	75	54	68
B.Sc. Physics	84	74	82	90	91
B.Sc Zoology	95	100	100	100	100
M.Sc. Mathematics	75	71	85	100	100
M.Com	92	100	83	83	100
M.Sc Chemistry	-	-	-	100	100

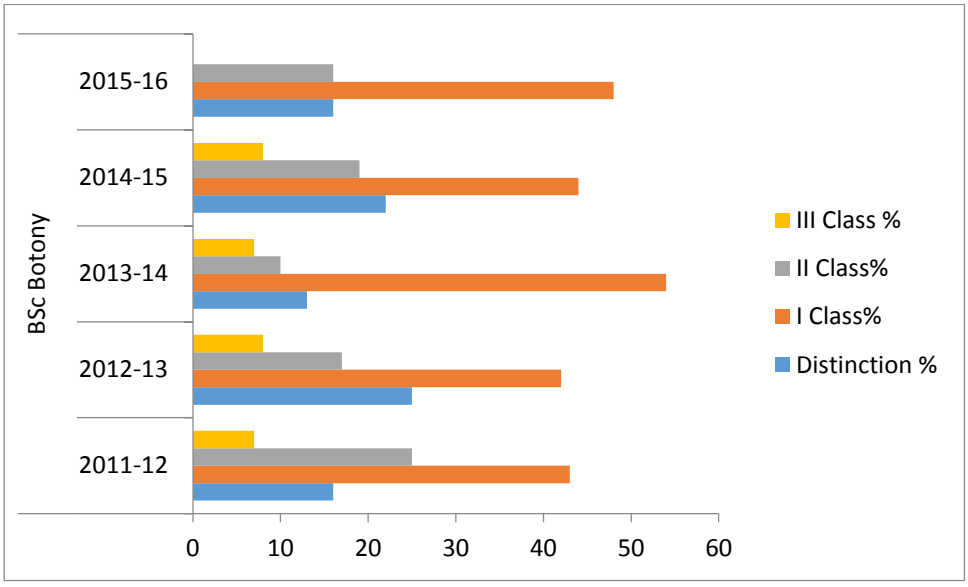


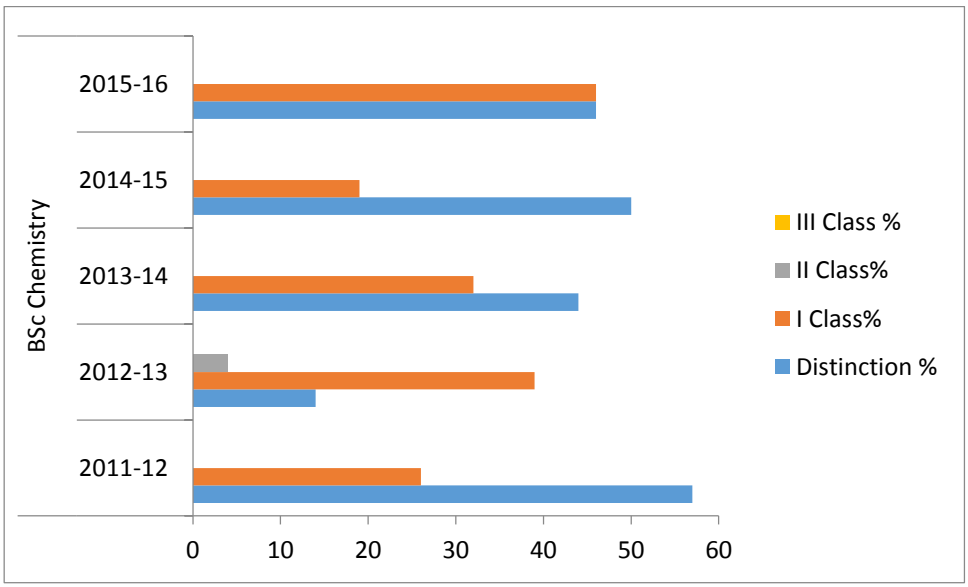

BBA
2015-16
2014-15
2013-14
2012-13
2011-12
0
20
40
60
80
III Class %
II Class%
I Class%
Distinction %

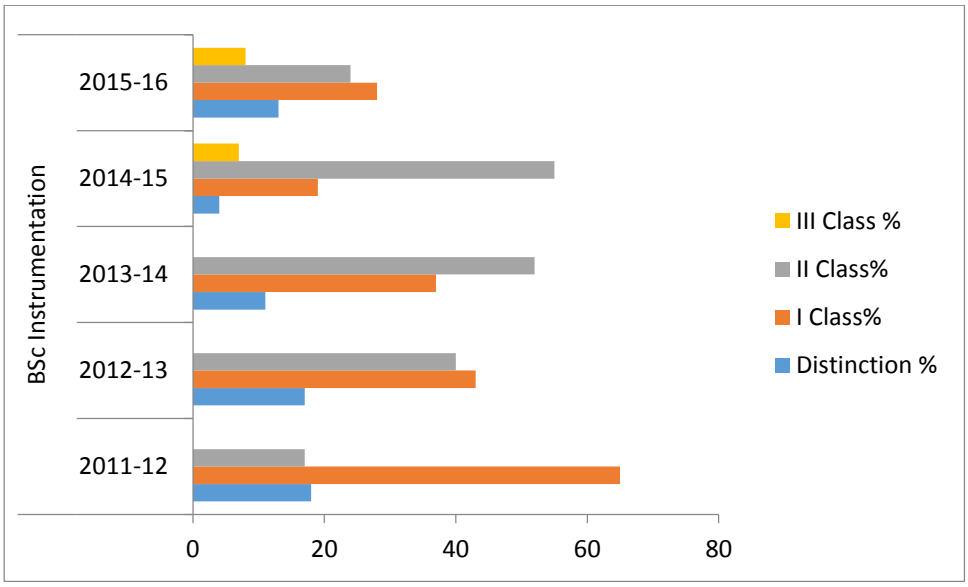

BA Economics
2015-16
2014-15
2013-14
2012-13
2011-12
0
20
40
60
80
100
III Class %
II Class%
I Class%
Distinction %

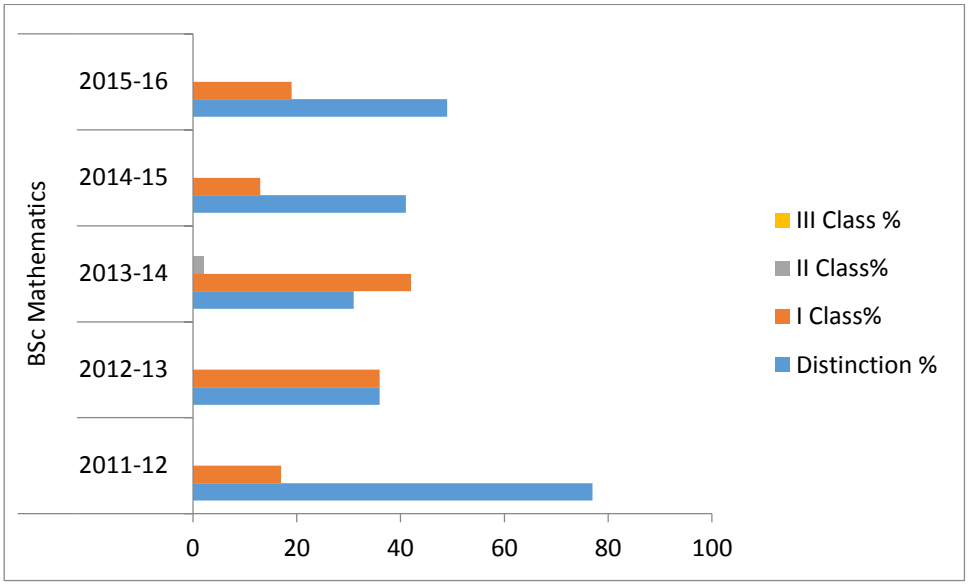

BA English
2015-16
2014-15
2013-14
2012-13
2011-12
0
20
40
60
80
100
III Class %
II Class%
I Class%
Distinction %


BA History
2015-16
2014-15
2013-14
2012-13
2011-12
0
20
40
60
80
III Class %
II Class%
I Class%
Distinction %


BSc Botony
2015-16
2014-15
2013-14
2012-13
2011-12
0
10
20
30
40
50
60
III Class %
II Class%
I Class%
Distinction %


BSc Chemistry
2015-16
2014-15
2013-14
2012-13
2011-12
0
10
20
30
40
50
60
III Class %
II Class%
I Class%
Distinction %


BSc Instrumentation
2015-16
2014-15
2013-14
2012-13
2011-12
0
20
40
60
80
III Class %
II Class%
I Class%
Distinction %


BSc Mathematics
2015-16
2014-15
2013-14
2012-13
2011-12
0
20
40
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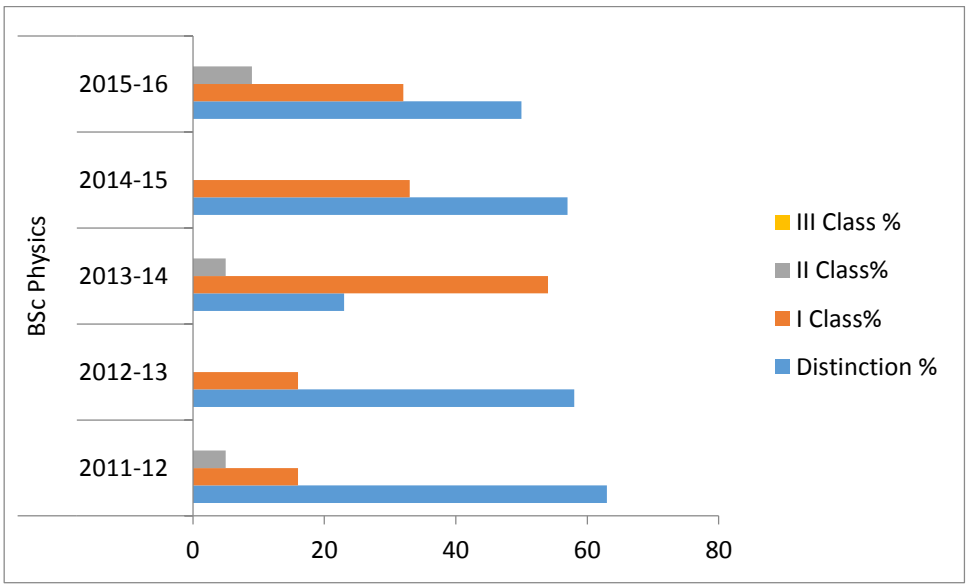
80
100
III Class %
II Class%
I Class%
Distinction %


BSc Physics
2015-16
2014-15
2013-14
2012-13
2011-12
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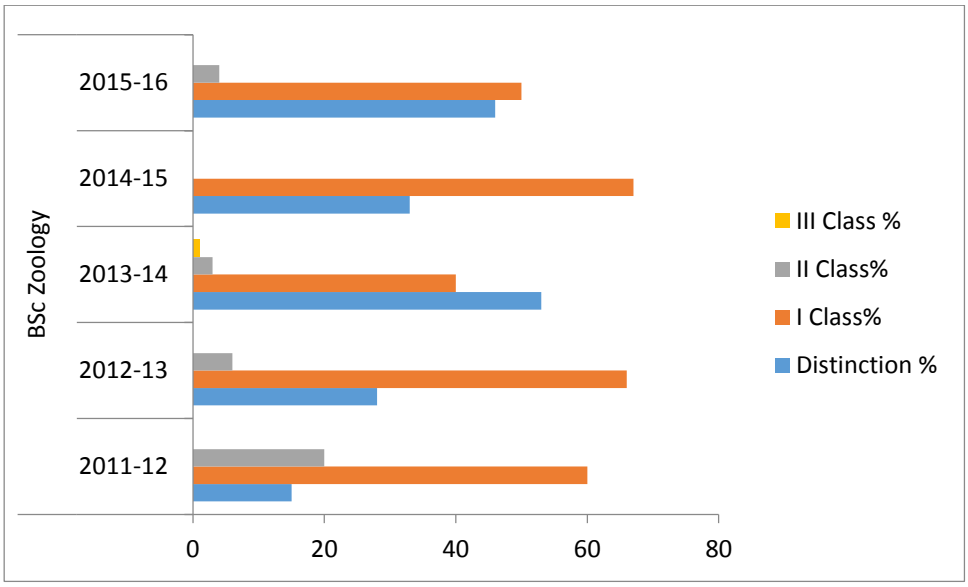
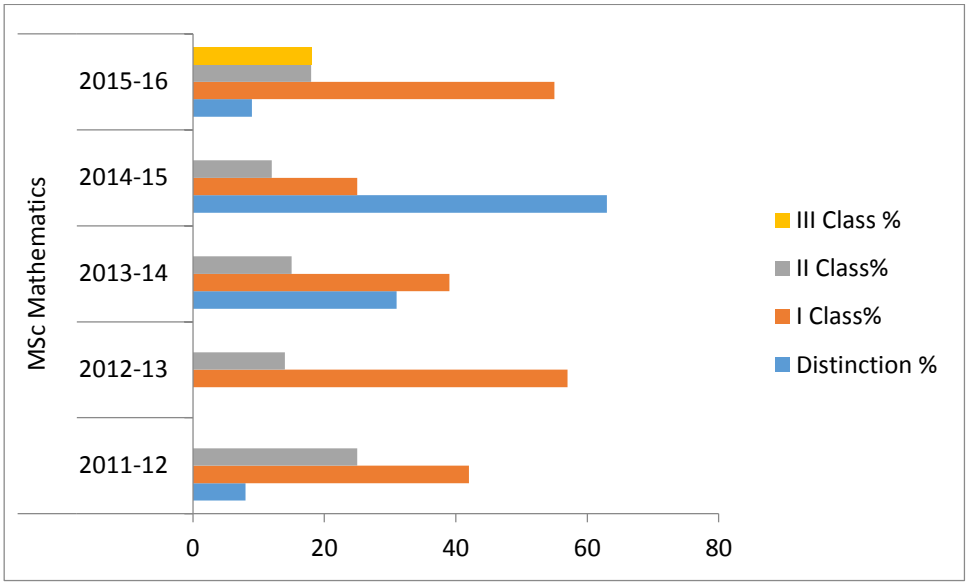
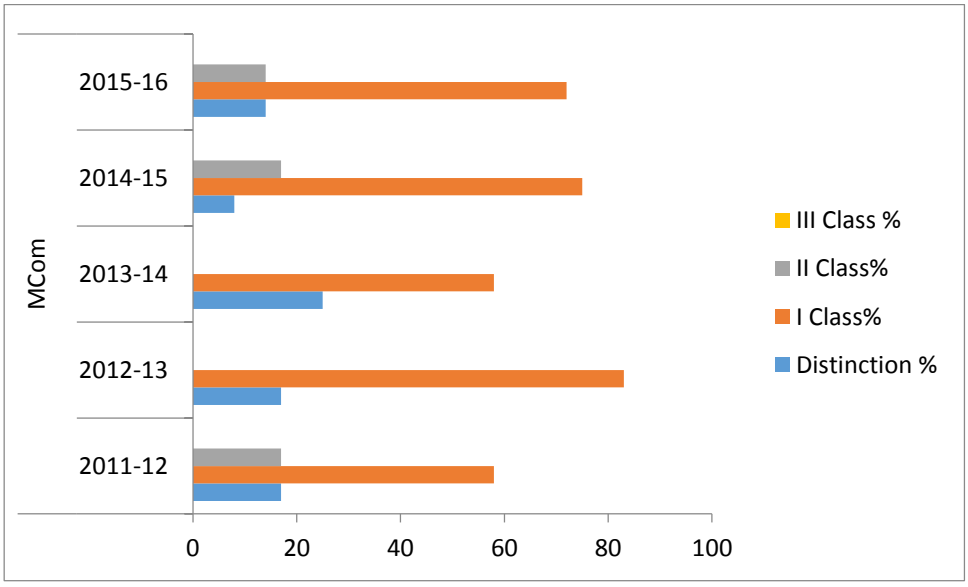
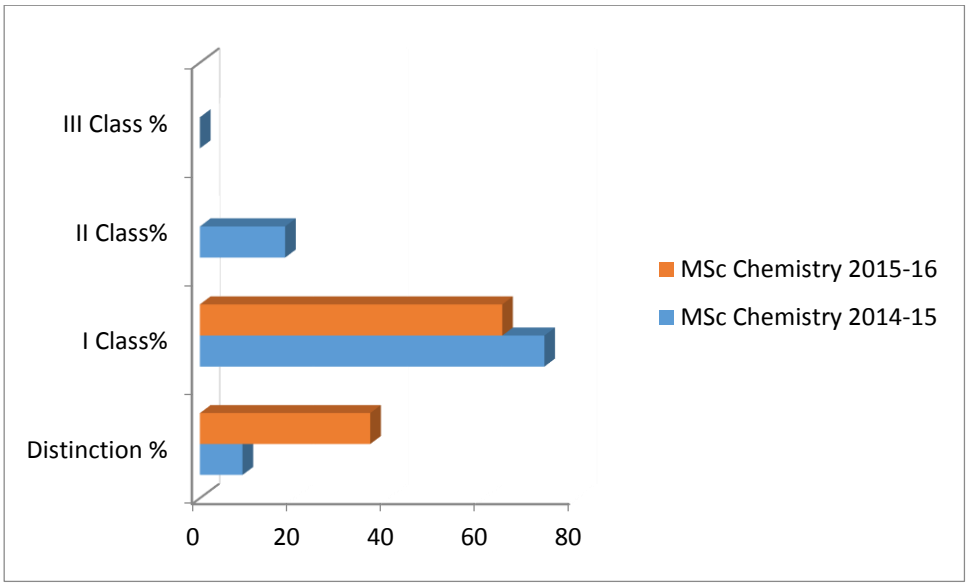
III Class %
II Class%
I Class%
Distinction %


BSc Zoology
2015-16
2014-15
2013-14
2012-13
2011-12
0
20
40
60
80
III Class %
II Class%
I Class%
Distinction %


MSc Mathematics
2015-16
2014-15
2013-14
2012-13
2011-12
0
20
40
60
80
III Class %
II Class%
I Class%
Distinction %


MCom
2015-16
2014-15
2013-14
2012-13
2011-12
0
20
40
60
80
100
III Class %
II Class%
I Class%
Distinction %



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 efforts to maintain the intended learning outcome starts right from the appointment of faculty members. The recruitment is done through a transparent process giving priority to merit and research aptitude. The newly appointed faculty are incorporated into the system through guidance and motivation from the senior faculty. They are encouraged to undergo Faculty Development programmes conducted by the Academic Staff College to get acquainted with teaching methodology and psychology. Pursuit of higher qualifications by faculty members is given assistance.

To mould the personality of each student along with their academic excellence is an inevitable responsibility of any institution. The academic and extracurricular activities of the institution is oriented in a direction to extract the best from the students. WWS and SSP plays a crucial role in improving the academic achievements of the students. Extension activities and enrichment programmes boost the general skills and aptitutes in students. Interactions with eminent academicians generate a spirit of enthusiasm and ambition enabling them to pursue academic excellence. The teaching methodologies are opted in such a way to create a genuine interest among the students rather than sticking to a mere content delivery technique. This is achieved through interactive learning *via* seminars and peer

teaching, group discussions and debates. Use of ICT facilities like projectors and interactive boards create a new realm of learning. Equal gravity is given to the job market opportunities and students are exposed to life skill and personality developments sessions and career guidance courses by experts in the field. Campus placement is taken seriously by the placement cell, keeping in view of the economic background of the mainstream of the students.

2.6.4 What are the measures/initiatives taken up by the Institution to enhance the social and economic relevance (student placement, entrepreneurship, innovation and research aptitude) of the courses offered?

Functioning of Career Guidance and Placement Cell is in line with the demand of students for job market opportunities. Skill development in the students and their placement is the highlighted objective of the cell. The inculcation of entrepreneurship qualities is one of the course objectives of B.Com, BBA and Instrumentation programmes. The project works assigned as part of curriculum is intended to develop a research aptitude in the students. Topics are selected in such a way to promote creative and critical thinking. Preference is given to projects imparting socially relevant information and outcome. Collaborations with research institutes and industries for implementing project work serves as platform for students to pursue a research career in the direction. Interaction with eminent academicians are also instrumental for this objective.

2.6.5 How does the Institution collect and analyse data on student learning outcomes and use it for planning and overcoming barriers of learning?

The Head of the Departments and tutors try to have a best possible interaction with the parents during the process of admission to get a first-hand information on the family background of the students. After completion of the admission, the tutor collects the personal profile of the students which includes their academic records, skills and aptitudes and social and economic background. Financially poor students are assisted in availing scholarship and grants to support their course completion. Slow learners are identified and given extra care through remedial coaching and SSP. Meritorious students with academic records is given a guidance to achieve excellence in respective fields through WWS. Tutorial system creates a strong

teacher- student relationship and the tutor acts as mentor assisting to develop their talents. The internal evaluation through formative assessment and internal examinations is consolidated by the tutor and analysed for any remedial or supportive measures. Enrichment programmes offered by the Departments and other Committees aids in enhancing the learning outcome of the students.

2.6.6 How does the Institution monitor and ensure the achievement of learning outcomes?

The Departments make it a routine practice to conduct a critical analysis of the University results of the outgoing batch and use it to improve the academic performance levels of successive batches. Analysis of the internal evaluation is utilized for devising support mechanisms in necessary cases. Individual semester results are also given importance.

2.6.7 Does the Institution and individual teachers use assessment/evaluation 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.

The Departments keep a record of every details regarding the students including attendance, internal evaluation and external examination results to get a comprehensive idea regarding the academic levels for betterment of academic performance

CRITERION III

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 another agency/organization?

The P.G. Department of Commerce and Management Studies is in the process of up-gradation as aresearch Centre under the University of Calicut.

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 Researchand Consultancy Committee to monitor the research activities of the College. There are fourteen members in the Committee. Members of the Researchand Consultancy Committee are;

Dr. V. Sudhakaran (Principal)	
Mr. V. Devidasan. (IQAC Coordinator)	
Dr.Rajesh R (Coordinator,Research and Consultancy Committee)	
Dr. GeethaKumari K	Dr.Suja Haridas
Dr.Lekshmi R. Chandran	Dr. Rekha P.S
Dr. Sindhu K.P.	Mrs. Zareena Viji
Mr. Sanal Kumar S	Mrs. Seema Menon
Mrs. Suja P	Ms.Rasmi M
Ms. Jessica Sudhir. M	

The Research and consultancy Committee meets frequently to initiate new research programmes and co-ordinates, monitors and directs research activities. The committee also recommends the proposals of major and minor research projects to various funding agencies. The Research Committee leaves no stone unturned to

provide timely impetus to the teaching staff to avail Faculty Development Programme (FDP). During the period three teachers availed FIP to complete their research leading to Ph.D., besides ten teachers are involved in dynamic research on a part time basis. Research projects from UGC, KSCSTE and other governmental and non-governmental agencies are also supported technically by the research committee. The Research Committee urges the faculty and research scholars to publish their research outputs in peer reviewed journals of national and international repute.

The major recommendations made by the committee includes:

- To give whole hearted support and encouragement to the teachers initiating research works in the various disciplines.
- To take necessary steps for upgrading the PG Department of Commerce and management studiesof the College as approved Research Centre.
- Toencourage the faculty members to attend and present research papers in Seminars/Symposia/Workshops and to undertake minor and major research projects.
- To encourage faculty members to take initiatives in the conduct of workshops/seminars sponsored by various funding agencies on topics of current relevance.
- To provide an opportunity for graduate and post- graduate students to present and discuss their research papers in various seminars organised within and outside the college.This, in turn, would make the students perfect the art of paper presentations.
- To encourage faculty members to become globally competent by serving as resource persons in the respective disciplines in National/ International events.

Research orientation is an integral part of pedagogy and practice of learning in the UG and PG curriculum and as a result many students are placed as research scholars and fellows in many prestigious institutes. College offers UGC-NET coaching with research orientation.

3. 1. 3. What are the measures taken by the Institution to facilitate smooth progress and implementation of research schemes/projects?

a. Autonomy to the principal investigator

Full autonomy is given to PI during the implementation of the projects.

b. Timely availability or release of resources

Funding is received on time for the effective completion of the projects.

c. Adequate infrastructure and human resources:

The infrastructure needed for the implementation of the project is utilized from the Department infrastructure and the rest is met with the available fund in the respective projects. Project Fellows are appointed in the case of Major projects, whereas no additional human resource is available for the Minor Projects.

d. Time-off, reduced teaching load, special leave etc. to teachers:

All University rules with regard to time-off, reduced teaching load, special leave etc. are followed by the Institution. Leave is sanctioned to the permanent faculty members for availing FIP.

e. Support in terms of technology and information needs:

Central Library and some of Departments with sufficient number of books, and Journals. Internet facility is also available in the institution.

f. Facilitate timely auditing and submission of utilization certificate to the funding authorities

College arranges the authorised auditors to audit and issue the utilization certificate.

g. Submission of utilization certificate to the funding authorities:

The College along with the Research Committee monitors and ensures timely submission of utilization certificates and final/ annual reports after auditing.

3.1.4. What are the efforts made by the Institution in developing scientific temper and research culture and aptitude among students?

- Scientific temper and research culture are to be properly discovered and developed among the students to usher in a futuristic culture for the progress of the state and the realization of good education. The College endeavours to provide an orientation for research which is considered inevitable for the moulding of a good researcher in every student. Dissertation/projects assigned to the PG and UG students are carried out with true dedication under the supervision of the teachers who provide them with the right insight and acumen to carry forward higher research in future days. Every Project/ Dissertation is evaluated by the external teachers assigned by the University for the purpose and questions related to the topic are asked to the students to examine the research acumen.
- Some of the Department publishes manuscripts/magazines, journals and wall magazines to instil scientific temper and research culture and aptitude among students.

  Besides this, the Institution encourages the students to:
- Publish scientific papers in peer reviewed journals
- Present their research papers as oral/poster in sponsored seminars
- Take part in Industrial training programmes

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.)

Basic research projects are assigned to UG and PG students by the faculty members. Apart from this, many of the teachers are actively involved in research works, some of which are interdisciplinary in nature.

Three major projects and sixteen minor projects have been undertaken by the faculty during the last five years and is listed below.

List of Major/Minor Projects

Sl. No	Principal Investigator	Department	Title
Major Projects			
1	Dr.K.P. Saraswathy Amma	Commerce	Senior Citizens Acceptance Of ICT – A Study In The Context Of Online Banking In Kerala
2	Dr. Suja Haridas	Chemistry	Synthesis And Characterization Of Titanium Nano Composites For Photo Catalytic Applications
3	Dr. Suja Haridas	Chemistry	Dye Encapsulated Mesoporous Materials – Photo Physical And Photochemical Evaluation
Minor Projects			
1	T .Sreekumar	Commerce	NPAManagement In Co-Operative Banks- A Study Based On Palakkad District Co-Operative Bank
2	Mrs. Raji Prasad G.V	Economics	Ergonomics Of Occupational Health Hazards On Economic Evaluation Of Agricultural Wor5king Women In Elavanchery Panchayath
3	Dr Kishore Ram	English	World Cinema Today
4	Dr. SujaHaridas	Chemistry	Visible Light Sensitive Tio_2-Polyaniline Nano Composites For Photo Catalytic Applications
5	Dr. Lekshmy R Chandran	Zoology	Conservation Of The Indigenous Ornamental Fishery Resources Through Women Empowerment In Nemmara Panchayath Of Palakkad District
6	Mrs. V. S. Nalinakumari	Commerce	Women Empowerment Through Kudumbasree Project- A Study In Thrissur District
7	Dr. K VasudevanPillai	Physics	EnvironmentalImpact Assessment Using Field Operated Sensors And Instruments For Sustainable Development And

			Water Management Strategies In Elavanchery Grama Panchayath Of Palakkad District
8	Jayashree Tampi. R	English	J.M. Coetzee's Age Of Iron And Disgrace; A Stairwell Of Continuity
9	Dr. K.P. Saraswathy Amma	Commerce	Attitude Towards E-Learning Technology- A Study In Kerala
10	P. Jagadees Kumar	Commerce	Financial Derivatives Markets And Its Development In India
11	Dr. R Vinayakan	Chemistry	Synthesis Of Water Soluble Semiconductor Nano Particles
12	Mr. Vinod A.S	Commerce	Rural Marketing Practices Of Selected Consumer Products With Special Reference To Palakkad District
13	Dr. Kalidas M.G.	Commerce	An Analysis Of Service Quality Parameters Among Co-Operative Banks With Special Reference To District Co-Operative Banks Ltd Kannur, Kerala
14	Mr.Anil Chandran S	Commerce	Role Of KSFE – Chit Funds In Developing The Savings Habit Among The Rural People With Special Reference To Palakkad District
15	Dr. Sindhu K.P.	Commerce	Factors Influencing Stress And Coping Strategies Among The College Teachers Of Kerala State
16	Mr. VijeshVenugopal	Commerce	Empowerment Of Rural Women Through Information Technology In Kerala

During the last five years, seven faculty members were awarded Ph.D. and ten are pursuing their research.

List of Ph.D. Awardees

Sl. No	**Name of the Faculty**	**Department**	**Status (Year of Awarding/ FIP/ Ongoing)**

1	Dr. Geethakumary K.	Malayalam	2000
2	Dr. Suja Haridas	Chemistry	2003
3.	Dr. Rekha P.S.	Botany	2003
4	Dr. Rajesh R.	Physics	2008
5	Dr. V. Sudhakaran	Commerce	2010
6	Dr. Lekshmi R.Chandran	Zoology	2010
7	Dr. Lalitha K.	Mathematics	2011
8.	Dr. Ambily V.K.	Chemistry	2012
9	Dr. Sindhu K.P.	Commerce	2014
10.	Dr. Priya P.	Chemistry	2014
11	Dr. Jyothi Lekshmi P.	Botany	2015
12	Dr. Deepak S.S.	Physical Education	2015
13	Dr. M. Vasudevan Pillai	Physics	2016
14	Mr. T. Sreekumar	Commerce	Thesis Submitted
15.	Mrs. Anitha P	History	FIP
Part-Time Research			
1	Mrs. Divya N.	English	ongoing
2	Mrs. Jessica Sudhir	English	ongoing
3	Mrs. Suja P.	Sanskrit	ongoing
4	Mr. Vijesh Veugopal	Commerce	ongoing
5	Mrs. Chaithanya U.	Commerce	ongoing
6	Mrs. Nitha L.P.	Chemistry	ongoing
7.	Mrs. Seema Menon	Zoology	ongoing
8.	Mrs. Resmi S.Nair	Zoology	ongoing
9	Mrs. Zereena Viji	Botany	ongoing
10	Mr. M. Madhavadas	Mathematics	ongoing

Some of our faculty members are approved research guides under different Universities.

	Faculty	**Department**	**University**
1	Dr. V.K. Sudhakaran	Commerce	Bharathiyar University
2	Dr. Geethakumari.K	Malayalam	University of Calicut

3	Dr. Suja Haridas	Chemistry	University of Calicut

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.

A. Workshops/ Training programmes ---- during 2011-12 to 2015-16

List of seminars/ workshop

Sl. No	**Title**	**Coordinator**	**Department**	**Funding agency**
1	Workshop on General Informatics	Dr. Kalidas M.G.	Commerce	KSHEC
2	International year of Chemistry	Dr.R. Vinayakan	Chemistry	KSCSTE
3	Bioinformatics Concepts, Skills and Applications	Dr. Lekshmi R Chandran	Zoology	UGC
4	Satothari Hindi Upanyas and NariLakahn	Mr. P P Sajieve	Hindi	UGC
5	Genetically modified crops and food security- Issues and Prospects	Dr R Vinayakan	Chemistry	KSCSTE
6	Emerging trends in factoring	Dr. Kalidas M.G	Commerce	UGC
7	Retail Industry in India	Mr.Anil Chandran	Commerce	UGC
8	Financial Engineering in India: Growth Prospects and Challenges	Dr Sindhu K..P.	Commerce	UGC
9	Geometric Analysis	Mr.Vysakh C.	Mathematics	UGC
10	Emerging trends in Instrumentation and Control	Mr. Sanal Kumar S	Instrumentation	UGC
11	Translation in the Context of	Mr. V Devidasan	English	UGC

	Sundry media reporting			
12	Green Banking- An innovative tool for service quality	Mrs. Shyamala. M	Commerce	UGC
13	Plants and their healing touch: An overview of nature's bounty	Mrs. Zereena Viji	Botany	UGC
14	Agriculture consciousness – tangible and intangible heritage of folklore	Dr. K. Geethakumary	Malayalam	UGC
15	National Science Day Observation	Dr. Lekshmi R.Chandran	Zoology	KSCSTE

B. Sensitization programmes:

The following tables show the sensitization programmes conducted by the different Departments for the past five years:

List of sensitization programmes

Organizer	Programme	Nature
N.S.S.	An AIDS awareness rally and public meeting	Sensitization programmes
N.S.S	Free karate training was given to girl students.	Practical Session
N.S.S.	Campaign against drug usage	Talk andPosters
N.S.S,N.C.C and College Union	Helping the poor and needy by visiting old age homes and orphanage s with a supply of food and dress materials.	Sensitization
N.S.S,N.C.C and College Union	Need for Blood Donation and Facts related to Blood Donation	Blood Donation Camps
Women Empowerment Cell	Stitching Classes, Awareness on law related to domestic violence, cyber-crime etc.	Practical and talks

Department of Botany and P G Department of Commerce and Management Studies	Promotion of students' interest on organic and terrace farming	Cultivation
N.S.S.	World Without War	Awareness talk
N.S.S.	Waste Management	Public awareness lecture
N.S.S.	Personality Development and Motivation	Public awareness lecture
Committee on Healthy Practices	Yoga and its benefits	Lecture cum Demonstration

3. 1. 7. Provide details of prioritised research areas and the expertise available with the Institution.

The teachers who were awarded Ph.D. have proved their mettle in specialized fields of their discipline, the details of which are shown below.

Area of Specialization of Present Faculties having Ph.D.

Department	Faculty	Area of Specialisation
Mathematics	Dr.Lalitha K	Stochastic Modelling
Malayalam	Dr.Geethakumary K.	Folklore
Commerce	Dr.V. Sudhakaran	Financial Sector
	Dr. Sindhu K.P.	Behavioral Finance
Zoology	Dr.LekshmiR.Chandran	Molecular Taxonomy and Bio-Diversity
Physics	Dr Vasudevan Pillai	Water Conservation Techniques

	Dr.Rajesh R	Dielectrics
Chemistry	Dr.SujaHaridas	Catalysis, Nano materials
	Dr.Ambili V.K.	Catalysis, Nano materials
	Dr. Priya S.	Electrochemistry
Botany	Dr.JyothiLekshmi P.	Population Genetics
	Dr.Rekha P.S.	Bio-Chemistry
Physical Education	Dr.Deepak S.S.	Training Methods

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 institution promotes a research culture and facilitates every possible opportunity of an interface between aspiring scholars in the campus and renowned academicians from outside.Researchers of National and International eminence are invited as resource persons to the Seminars, Workshops, Conferences and Orientation programmes. Teachers and students freely interact with these resource persons and are highly benefited. All departments invite experts in their areas of study to interact with the students. As a case in point, a list of academicians and scientists invited to the college by various Departments during the last five years is listed below.

Resources Persons who visited the college during the last five years

	COMMERCE and MANAGEMENT STUDIES
1	Dr.S.N.Sasidharan Kartha, MD, (CMRL)
2	Dr.K.B. Pavithran Professor, SCMS CUSAT
3	Smt. Jayasree .K. Assistant Manager, Federal Bank
4	Suresh Menon .P, Assistant Manager, Central Bank of India, Mumbai
5	Jose Thomas, Manager, Malabar Cements
6	Dr. V.Babu, Associate Professor, Christhu Jayanthi College, Bangalore
7	P.M.Sibi, Assistant Manager, South Indian Bank
8	Dr.M.K.Baby, Associate Professor, Devagiri college, Kozhikode
9	Dr.S.Rajitha Kumar, Associate Professor, CUSAT
10	Dr. K.P.Muraleedharan, Professor, DCMS, Calicut

11	Dr.B.VijayaChandran Pillai, Professor, DCMS, Calicut
12	Dr.Maani.K.P., Department of Commerce, JMC, Thrissur
13	Dr.V.K.VijayaKumar, Portfolio consultant, Geojeet Securities
14	Dr. G.Naresh, Assistant Professor, Pondicherry
15	Ravi Jain, NSE, Kerala Head, Cochin
16	CA Harish.C.R., Chairman ICA Palakkad chapter
17	Pradeep Menon, Research Head, DBFS, Cochin
18	Dr.T.G.Saji, Assistant Professor, Government College, Thrissur
19	Dr.N.Raghavan, Associate Professor, DCMS, Madras University
20	Dr.G.Raju, Associate Professor Government Womens College, Trivandrum.
21	C.A.Madhusoodhanan.K.P, Chairman, ICA Palakkad Chapter
22	Dr.N.Raman Nair, Director, SCMS Cochin.
23	Dr.Ashok Kumar, Director, Karppagam University, Coimbatore
24	Mr.Unni Krishnan.E, Chief Credit Manager, South Indian Bank, Thrissur
	CHEMISTRY
1	Dr. S.Sugunan, Retd. Professor, Dept. of Chemistry – CUSAT
2	Dr.K.Padmakumar, Assistant Professor- Dept. of Chemistry- Govt Victoria college Palakkad
3	Dr.P. Raveendran, Professor, Dept. of Chemistry, University of Calicut.
4	Dr. R. Manu, Assistant Professor, Sree Vyasa NSS College Wadakkanchery.
5	Dr. JobyThomas, Associate Professor, St.Thomas College, Thrissur
6	Dr. John P. R, Assistant Professor, Dept. of Chemistry- Govt. Victoria college Palakkad
7	Dr. Roy K.B, Asst. Professor, Department of Chemistry, SNGSC, Pattambi.
8	Dr. Radhika Thankapan- Scientist, CMET Thrissur
9	Sri. Guruvayoorappan, WWF
	INSTRUMENTATION
1	Shejin. H.S, Assistant Professor, Department of Applied Electronics and Instrumentation, MES, College of Engineering, Kuttipuram, Malappuram.
2	Ashok. K, Assistant Professor, Department of Applied Electronics and Instrumentation, IES, College of Engineering, Thrissur, Kerala, India.
3	Indu.T, Lecturer, Department of Instrumentation and Control, NSS College of Engineering, Palakkad.
4	Dr.P.R.Sreemahadevan Pillai, Dean, Faculty of Engineering, University of Calicut

5	Dr.R.K.Sharma, Professor, Department of Aerospace Engineering, Karunya University, Coimbatore, Tamil Nadu
6	Dr. Sanjeevi Gandhi. A Assistant Professor, Department of Electronics and Instrumentation Engineering, Karunya University, Coimbatore, Tamil Nadu
7	Dr B Vinod, Associate Professor and Head of Department of Robotics and Automation Engineering, PSG Institute of Technology, Coimbatore, Tamil Nadu.
8	Dr.Sudheesh.P Assistant Professor, Department of Physics V.T.M N.S.S College Trivandrum
9	Dr.Nishamol.M.S. Assistant Professor Department of Electronics Govt. College Chittur Palakkad
10	Dr. David Solomon George, Associate Professor, Dept. of Electronics and Communication Engineering, Rajiv Gandhi Institute of Technology,Kottayam- 686501
11	G.Sankar, Assistant Professor, Dept. of Electronics and Communication, RVS College of Arts and Science, Sulur, Coimbatore, Tamilnadu
12	Jibin Jose, Assistant Professor, Department of Bio Medical Engineering, Sahrdaya College of Engineering and Technology, Kodakara, Thrissur.
13	N.Nandakumar, Research Scholar, Sri Rama Krishna Mission Vidyalaya College of Arts and Science, Coimbatore, Tamil Nadu
14	Dr. Gigi Sebastian, Associate Professor, Department of Chemical Engineering, Govt. Engineering College, Calicut, Kerala
15	Dr.Anto Johny.T, Associate Professor, Department of Physics, St.Thomas College Thrissur
16	Dr N C Balakrishnan, Senior Professor, Guruvayurappan Institute of Management, Coimbatore andChairman, The Institution of Engineers (India) Palakkad, Local Centre. Palakkad,
17	Kaja Hussain U, Custom Support Engineer, BPL Telecoms Pvt. Ltd., Chandranagar, Palakkad
18	M Kumaresan, Assistant Professor, Dept. of Electronics and Communication, RVS College of Arts and Science, Sulur, Coimbatore.
19	P V Haseena, Assistant Professor, Department of Chemical Engineering,, Government Engineering College, Kerala, India
20	Dr R K Biju Assistant Professor, Department of Physics, Pazhassi Raja N.S.S College Mattanur, Kannur

21	M K Preethi Rajan, Assistant Professor, P G Department of Physics and Research Centre, Payyanur College, Payyanur.
	BOTANY
1	Dr. Kishore Kumar, Assistant Professor, Farooq College
2	Dr. P.S. Udhayan, Assistant Professor, Sree Krishna College
3	Sri. N.A. Naseer, Wild Life Photographer
5	Sri. Guruvayoorappan, WWF
6	Dr. Prakash Kumar, Director, Malabar Botanical Garden
7	Dr. N.Sundaran
8	Dr. N. Sasidharan, Former Head of Plant Taxonomy, KFRI, Peechi
9	Dr.S.Rajasekharan, Former Director of JNTBGRI, Member of State Bio-diversity Board
10	Dr. Parimelazhagan, Associate Professor in Botany, Bharathiyar University, Cimbatore
11	Dr.S.Paulsamy, Associate Professor in Botany, Kongunadu Arts and science college, Coimbatore
12	Dr.K.Arumugasamy, Associate Professor in Botany, Kongunadu Arts and science college, Coimbatore
	MALAYALAM
1	Dr.A.K Nambiar, Former Director, School of Drama and Fine Arts, Calicut University
2	Dr. C.R Rajagopalan, Professor, Dept. of Malayalam, Kerala University
3	Dr. T.Githesh, Asst.Professor, Dept. of Malayalam, Madura Kamaraj University.
4	Dr. N.Ajithkumar, Former Principal , N S S College, Nemmara
5	Dr. B. Ravikumar, Associate Professor, Dept of Malayalam, N S S Hindu College, Changanacherry, Kottayam
6	Dr. Soman Kadaloor, Asst. Professor, School of Folklore Studies, Calicut University.
7	Dr. Hemamalini. M, Asst. Professor, Dept. of Malayalam, St. Mary's College, Thrissur
8	Dr. V.Shobha, Editor Green Books, Thrissur
9	Shri. Asha Menon, Writer, Malayalam Literature
10	Shri. Vijayakumar Kunissery, Critic, Malayalam Literature
11	Dr. P.Saraswathy, Associate Professor, Vyasa N S S College, Thrissur

12	Prof. M.Haridas, Retd. Associate Professor, Dept of Malayalam, St. Aloseious College, Irinjalakuda, Thrissur
	SANSKRIT
1	Dr. E Jayan, Principal, VTB College, Palakkad.
2	Sri. Paikulam Narayana Chakyar, Aaacharyan of Chakyar koothu
3	S Sushama, Retd. Professor, N.S.S..College, Nemmara
	ENGLISH
1	Dr. Syamala,Asst Prof, Dept. of English, Mercy College, Palakkad.
2	Dr. Kishore Ram, Assistant Professor, Department of English, NSS College, Kottiyam.
	MATHEMATICS
1	Dr. Sunny Kuriakose, Dean, FISAT, Angamaly
2	Dr.A.K.Nandakumaran, Professor, IISC, Bangalore
3	Dr. K.S.S Moosath, Professor, IIST, TVM.
4	Dr.Paul Isaac, Associate Professor, Dept. Of Maths, Bharath Mata College, Thrikkakara, Kochi.
5	Dr. Sajith.G, Assistant Professor, Dept. of Maths, S.S College, Areacode
6	Dr.Anuradha.S. Professor and HOD, PG and Research Dept. of Maths, Hindusthan College, Coimbatore.
7	J.Murugesan, HOD, Nachimuthu Polytechnic College, Pollachi.
	ZOOLOGY
1	Dr. SreeNathan, Associate Professor, N.S.S. Engineering College, Palakkad
2	Saritha Nampoothiri, Faculty, Computer Science, VTB College, Palakkad
3	Shidhi P.S. SRF Department of Bioinformatics, University of Kerala, TVM.
4	Bharak Goli, Faculty, Department of Bio-informatics, University of Kerala, TVM.
5	Dr. P.R. Padama, Professor, Department of Bio Chemistry, Avinashalimgam University of Women Studies, Coimbatore.
6	Dr. P.Radha, Assistant Professor, Department of Biochemistry, Avinashalimgam University of Women Studies, Coimbatore.
7	Dr.JayakumarNatarajan
8	Dr. P.R. Sree Mahadevan Pillai, Dean of Enginnering, University of Calicut
9	Dr.Vishnu R, Assistant Professor, Department of Physics, Sree Krishna College, Guruvayoor
10	Dr. Manu R, Assistant Professor, Department of Chemistry, Sree Vyasa

	College, Vadakkanchery
11	Dr. R.Nishi, Associate Professor and HOD, P.G.Dept. of Zoology, SN College, Alathur
12	Dr. S.Sankar, Senior Scientist, KFRI, Peechi, Thrissur.
13	Dr. Gayathri Elayidam, Assistant Professor in Zoology, NSS College, Ottapalam, Palakkad.
14	Dr. Ramachandran K. Assistant Professor, Central University, Kasargode.
15	Dr.G.Prasad, HOD, Department of Zoology, University of Kerala, Kariyavattom, TVM.
16	Dr. Sreejith S.University of Kerala, Kariyavattom, TVM.
17	Dr. Anvar Ali, Assistant Professor, KUFOS, Kochi
18	Dr.Bindu L. Assistant Professor, MSM College, Kayamkulam
19	Dr. SreeRenjith Kumar, HOD, Dept. of Zoology, Govt. Victoria College, Palakkad
20	Dr.S Jayasree, HOD, Zoology, Mercy College, Palakkad.
21	Dr. P.Pramod Nair, Senior Scientist, Salim Ali Center for Ornithology and Natural History, Coimbatore
22	Dr. Francy Kakkassery, Associate Professor and HOD, Department of Zoology, Thrissur.
23	Dr.Muhamed Jafar Palot, Assistant Zoologist, Western Ghat Regional Centre Zoological Survey of India, Calicut.
24	Dr. Mahesh Mohan, Assistant professor, School of Environmental Science, M.G.University
25	Dr. C.P.Shaji, Scientist, Fisheries Sector.
	HISTORY
1	Adv. Girish, Chittur
2	Father Antony, Thrissur
3	Mr. Satish, Excise Intelligence Officer, Palakkad.
4	Mr. Krishnan Kutty, C.I of Police, Attapadi
5	Jayanthi Vasan, Excise Duty Commissioner, Palakkad
6	Mr. O.K. Praveen, Assistant Professor, Sree Vivekanada College, Kuuamkulam
7	Smt. Sreeba, Assistant Professor, Govt. College, Chittur
	PHYSICS
1	Dr. K.C. Ajith Prasad, Asso. Professor, M.G. College,

	Thiruvananthapuram
2	Dr. V.M. Anandkumar, Asso. Professor, M.G. College, Thiruvananthapuram
3	Dr. K.N. Sreekanthan, Asso. Professor, N.S.S. College, Manjeri
4	M.L. Sunil, DySP, Palakkad
5	K.R. Balasubramaniam, A.S.I Palakkad
	Career Guidance and Placement Cell
1	Mr. Jomy L., Director, Sensorium school of Management, Thrissur.
2	Mrs. Bhagyalakshmi, Retd. Professor, Govt. College, Thrissur
3	Mr. Jinson J, Faculty, Prism Technologies, Irinjalakkuda
4	Mr.Joby John, Personality Development Trainer, Thrissur
5	Dr.S.Rajashekar, Principal, AIMS, Coimbatore
6	Mr.Haridas P. M.,Marketing Head, TIME, Palakkad
7	Mr.Suresh P., Industrial Career seminar professional, Hallibuston offshore inc, India
8	Sabari, Trainer, Centre for Automation Study, Kanathur Media, Palakkad.
9	Mr.Santhosh, Caliboration Engineer, Emerson
10	Mr. Sujith P.S, HR Area Head, Eureka Forbes, Cochin

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?

There is no provision for Sabbatical leave for Research activities as per Calicut University norms. However, there is provision for Faculty Improvement programme under which faculty members are granted leave to pursue M. Phil and Ph. D programmes. Mrs. Radhika R (Department of Zoology), Mrs. Jyothilekshmi P (Department of Botany) and Mrs. Anitha P (Department of History) have availed leave under F.I.P for completing their doctoral degree during the past five years. Apart from this, many of the faculty are pursuing part-time research and MBA courses. The research experience of the faculty members have been manifested in the quality project works assigned to UG and PG projects. The students are prompted to imbibe the research culture by developing in them the power of critical and logical thinking.

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)

The teachers and the students are helped by providing facilities and means to upload the research findings in the Web-Sites and publish them in the national and international journals.The following initiatives were taken by the Faculty/Students of the Institution to facilitate awareness and transfer of relative findings of Research to the community.

- Students of Botany Department documented the traditional knowledge of the neighbouring rural society on lesser used edible plants and various food preparations.
- Students of Botany Department conducted a phytochemical evaluation of rural food stuffs like jack fruit seed, papaya etc. to identify the components.
- In 2013, the students of P.G. Department of Commerce and Management Studies conducted a survey on saving habits of people in the neighbouring rural society.

- In 2015, the P.G. students of the Department of Commerce and Management Studies conducted a survey on 'Customer Perception on Online Shopping' among the people in the neighbouring rural society.
- Chemistry department took initiative to conduct a survey on the usage of commercial milk by the people in the neighbourhood. UG students were assigned project works on food adulteration and the gravity of the issue was explicated to the students.
- Students of Chemistry department carried out water quality analysis by collecting water samples from neighbourhood as part of student project.
- As part of International Year of Chemistry, an exhibition was conducted by the Department of Chemistry with the intention of creating an interest in basic science among school students.

3.2. Resource Mobilisation 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?

Mobilization of funds for research from external sources is the major strategy adopted by the institution for promotion of research facilities. The College has done rigorous efforts to channelize the gratns from UGC, KSCSTE and KHEC in the form of minor and major, research projects and seminars. Management meets the expenses for the infrastructural facilities for research purpose.

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 five years?

As such the Institution does not have a provision to provide seed money to the faculty for research.

3. 2. 3 What are the financial provisions made available to support student research projects by students?

Financial support is not provided to students for their research projects. Efforts are being made by certain Departments to secure assistance from external

agencies. All Departments assist the students by providing equipment and other infra-structural facilities.

3. 2. 4. How does the various Departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The main hindrance in pursuing interdisciplinary research is the need for acquiring knowledge and skills beyond the specialized areas. Setting up of a work pattern and schedule is yet another hurdle. In spite of these challenges, the faculty members take pains to choose project works which are of interdisciplinary nature. This is achieved by sharing of knowledge between concerned members. The major project of Chemistry Department was completed with active collaboration from the International School of Photonics, CUSAT.

3. 2. 5 How does the Institution ensure optimal use of various equipment and research facilities of the Institution by its staff and students?

Students are permitted to use the various equipments, lab and library facilities during College hours. Common computer lab and internetis made use of by the students for their project and assignment pupose. Lab facilities are open for students during the College hours including Saturdays and relaxation is allowed in lab timings as per requirement. Sharing of available facilities by the Departments is a regular practice.

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.

The Institution has availed grants from various funding agencies during the last 5 years in the form of project and seminar assistance.

Amount Generated from different agencies

Agency	Amount
KSCSTE	13,27,000

KHEC	30,000
UGC	37,91,500
Total	**51,48,500**

3. 2. 7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organisations. Provide details of on-going and completed projects and grants received during the last five years.

The Research and Consultancy Wing and the UGC Cell of our college takes special interest in providing timely information to the Faculty regarding the various funding agancies and formalities for applying for the same. All possible help is rendered in the preparation of project proposals. Full autonomy is granted to the Principal Investigator in carrying out the work and release of grants in due time is ensured. Assistance is also rendered in the follow up procedures including the preparation of utilization certificates amd auditing. This moral support has been an impetus to apply for the research grants and during the last five years three major projects and sixteen minor projects have been undertaken by the faculty members.

LIST OF MAJOR PROJECTS

	Title	Principal Investigator	Funding agency	Department	Sanctioned Amount
1	Senior citizens accepatance of ICT – A study in the context of online banking in kerala	Dr.K.P Saraswathy Amma	UGC	Commerce	3,39,000
2	Synthesis and characterization of titania nanocomposites for photocatalytic Applications	Dr. Suja Haridas	UGC	Chemistry	5,04,500
3	Dye encapsulated mesoporous materials – Photophysical and Photochemical evaluation	Dr Suja Haridas	KSCSTE	Chemistry	13,00,000/-

LIST OF MINOR RESEARCH PROJECTS COMPLETED

	Title	Principal Investigator	Department	Sanctioned Amount
1	NPAmanagement in co-operative banks- A study based on Palakkad District co-operative bank	T .Sreekumar	Commerce	55,000
2	Ergonomics of occupational health hazards on economic evaluation of agricultural working women in Elavanchery Panchayath	Raji Prasad G.V.	Economics	70,000
3	World Cinema Today	Dr Kishore Ram	English	1,50,000
4	Visible light sensitive TiO_2-polyaniline nanocomposites for photocatalytic applications	Dr Suja Haridas	Chemistry	1,60,000
5	Conservation of the indigenous ornamental fishery resources through women empowerment in Nemmara Panchayath of Palakkad district	Dr. Lekshmy R Chandran	Zoology	1,80,000
6	Women Empowerment through Kudumbasree project- A study in Thrissur district	V. S. Nalinakumari	Commerce	65,000
7	Environmental Impact assessment using field operated sensors and instruments for sustainable development and water	Dr. K Vasudevan Pillai	Physics	1,80,000

	management strategies in Elavanchery Gramapanchayath of Palakkad district			
8	J.M.Coetzee's age of iron and disgrace; A stairwell of continuity	Jayashree Tampi. R	English	1,15,000
9	Attitude towards e-learning technology- A study in Kerala	Dr. K. P. Saraswathy Amma	Commerce	85,000
10	Financial Derivatives markets and its development in India	P. Jagadees Kumar	Commerce	73,000
11	Synthesis of water soluble semiconductor nano particles	Dr. R Vinayakan	Chemistry	1,25,000
12	Factors influencing stress and coping strategies among the college teachers of Kerala state	Dr. Sindhu K P	Commerce	60,000
13	Empowerment of rural women through information technology in Kerala	Vijesh Venugopal	Commerce	1,00,000
14	An Analysis of service quality parameters among co-operative banks with special reference to district co-operative banks Ltd Kannur, Kerala	Dr Kalidas M.G	Commerce	90,000
15	Role of KSFE – Chit funds in developing the savings habit among the	Anil Chandran. S	Commerce	1,05,000

	rural people with special reference to Palakkad district			
16	Rural marketing practices of selected consumer products with special reference to Palakkad district	Vinod A.S	Commerce	80,000

3.3 Research Facilities.

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

The infrastructural facilities viz laboratories, computers and internet facilities are at all Departments and general library. A digital language Lab is functioning under the control of department of English. Two smart class rooms are also functioning in the college. A well-equipped seminar hall with LCD projector and uninterrupted power supply. The following aspects are noteworthy in this regard:

- The project works of the Post Graduate students are carried out in an ambience of excellent academic atmosphere ensuring all material support, the students can avail of in each Department.
- The Degree students are exposed to exquisite realms of research through their project work in the sixth semester aided by enviable research infrastructure in the campus.

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?

At the beginning of every academic year, the different Departments work out research requirements with regard to infrastructural needs. Accordingly, the Management, UGC Cell, and Research committee in consultation with the Library

representatives and faculty members prioritise needs and meet the expenses from the College Development Fund and the Major/ Minor projects. Each Department has been provided with Internet to facilitate Research.

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 five years?

The institution has received financial assistance from only recognized funding agencies like UGC so far.

3. 3. 4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

Facilities of the institute including library, lab, and Computer access are permitted during college hours. However, limited access is given for scholars from outside the campus. The Departments of Botany, Chemistry and Zoology have conducted exhibitions on any relevant area and their labs are open to the students of the neighbouring schools. Chemistry Department has provided facility for the PG students from various colleges to complete the project work, which forms part of their curriculum.

3. 3. 5. Provide details on the library/ information resource centre or any other facilities available specifically for the researchers.

The library welcomes the researchers with 35,000 volumes of books and newspapersand reprographic facility. The institution has well- equipped labs, a centralised computer lab with internet facility. Besides this, the P.G. Department of Commerce and Management Studies has its own well equipped computer lab with internet facility, printer, scanner and Photostat facility. All Departments are provided with computers having net facility and printers.

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.

At present the Institution does not have Collaborative Research facilities.

3. 4 Research Publications and Awards

3. 4. 1 Highlight the Major research achievements of the staff and students in terms of:

a.) ***Patents obtained and filed (process and product)****:* Nil

b) ***Original research contributing to product improvement****:* Nil

c) ***Research studies or surveys benefiting the community or improving the services****:*

Most of the project and research works are oriented in such a way to reach the society through awareness creation in student community. Projects which aim at the improvement of existing technology are also in progress.

d) ***Research inputs contributing to new initiatives and social development***:

The results of the surveys conducted by students help the neighbouring community to know their strength and threats.

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?

The college publishes an Interdisciplinary journal. Apart from this, the English Department and P.G. Department of Commerce and Management Studies has ventured the publication of journals pertaining to their subject areas. Details of the journals are given below.

Journals Published by the Institution

Institution/ Department	Name of the Journal	Composition of Editorial Board	Publication Policies and	Details of Listed in any International data base
N.S.S. College, Nemmara	Edu-Vision (Yearly)	All Members of IQAC	Publishes original research papers, Abstract of Doctoral/ M.Phil. Dissertations, Reviews,etc.	Started procedures to get ISSN Number
English	The Translator (Yearly)	All Faculties of the Department	Publishes original research papers.	No
P.G. Department of Commerce and Management Studies	Vanijyam (Yearly)	Selected faculties of the Department.	Publishes original research papers, Abstract of Doctoral/ M.Phil. Dissertations, Reviews, etc. .	Started procedures to get ISSN Number

3. 4. 3 Give details of publications by the faculty and students:

The keen interest taken by the faculty members in research have led to publication of around 105 research articles in journals, both of national and international standards and 103 articles in conference proceedings. Table illustrates the details of research articles published by the faculty members during the period in various National and International journals. The summary of the publication details given below are supplemented in the Evaluative Reports of the respective Departments.

Number of papers published by faculty and students in peer reviewed journals	**National : 53 International : 52**
Number of publications listed in International Database (for Eg: Web of Science, Scopus,	50

Humanities International Complete, Dare Database -International Social Sciences Directory, EBSCO host, etc.)	
Monographs Mr. V.Devidasan, Department of English, *Macronic Verse* 2nd Edition.	1
Chapters in books	3
Seminar Proceedings / Book Edited with ISBN/ISSN numbers	7
Other Books	11

LIST OF NUMBER OF PUBLICATIONS BY FACULTY MEMBERS

Name of the Faculty	Department	International Journal	National Journal	Conference/ workshop/ Seminar Proceedings	Total
Dr. GeethaKumary K.	Malayalam	0	5	0	5
Dr. N. AjithKumar	Malayalam	0	1	0	1
Mrs.Suja P.	Sanskrit	0	2	1	3
Mr. P.Suresh Babu	Economics	1	2	0	3
Mr.Sanoop S.	Economics	2	10	3	15
Mr. T.Sreekumar	Commerce	0	2	3	5
Dr.Sindhu K.P.	Commerce	6	5	10	21
Mr.Vijesh Venugopal	Commerce	2	0	4	6
Mrs. Deepthi I	Commerce	2	0	3	5
Mrs. Shyamala M.	Commerce	2	0	3	5
Mrs. Chaithanya U.	Commerce	0	0	1	1
Ms. Jothilakshmi E	Commerce	0	0	1	1
Mr. Sreekumar P.G.	Commerce	0	0	3	3
Mrs. Suvarnalakshmi U	Commerce	0	0	2	2
Mrs. Ranjini Ramachandran	Commerce	0	0	1	1
Mrs. Anjula C.S.	Commerce	0	2	1	3
Mrs. Anitha P.	History	0	0	2	2
Dr.Suja Haridas	Chemistry	0	0	8	8
Mrs. Nitha L.P.	Chemistry	3	2	11	16
Dr. Priya S.	Chemistry	7	0	6	13
Dr. Vinayakan R.	Chemistry	6	0	3	9
Mrs. Renjusha	Chemistry	0	0	1	1
Dr.Dhanya T.P.	Chemistry	0	0	3	3

Dr.Jyothilekshmi.P	Botany	2	10	4	16
Mrs.Divya K.R.	Botany	5	1	0	6
Mrs. Zereena Viji	Botany	1	1	3	5
Dr. Deepak S.S.	Physical Education	1	3	1	5
SanthiPriya G.	Instrumentation	0	0	6	6
Aiswarya M	Instrumentation	0	0	3	3
Dr. Lekshmi R. Chandran	Zoology	1	0	4	5
Seema Menon	Zoology	8	5	2	15
Resmi S.Nair	Zoology	0	2	3	5
Dr.Vasudevan Pillai	Physics	2	0	2	4
Dr. Rajesh R.	Physics	1	0	1	2
Dr. Biju R.K.	Physics	0	0	4	4
Total		**52**	**53**	**103**	**208**

Seminar Proceedings / Book Edited with ISBN/ISSN numbers

1. Compendium Oushadhi (2015) edited by Zereena Viji, Jyothilekshmi.P, Rekha.P.S. (ISBN.No.978-93-85105-27-2)
2. VayalPorul (2015). Edited by Dr. Geethakumari (ISBN No: 978-93-85105-17-3**)**
3. FINNOVA'15 (2015). Volume II, Edited by Shyamala,M.,Vidhu V.L.,Deepthi ,I(ISBN 978-93-85105-19-7)
4. FINNOVA'15 (2015) Volume I Edited by Dr. Sindhu K.P. & T. Sreekumar (ISBN 978-81-89085-95-7)
5. ETIC-2014 (2014). Edited by Sanal Kumar S. (ISBN – 978-81-89085-92-6).
6. FINNOVA'14 (2014) Edited by Dr. Sindhu K.P. & T. Sreekumar (ISBN 978-81-89085-95-7)

Name of Seminar Proceedings without ISBN/ISSN numbers

1. Bioinformatics Concepts, Skills and Applications
2. Emerging Trends in Factoring
3. Retail Industry in India
4. Geometric Analysis
5. Translation in the Context of Sundry media reporting

❖ **Impact factor of papers published by the faculty are as follows:**

1	Sindhu K. P., and Rajitha Kumar S. (2013). A Study on Influence of Investment Specific Attitudes of Investors on Investment Decisions. *Indian Journal of Commere and Management Studies, Vol. IV, Issue 3* , 46 - 50. ISSN 2249-0310, EISSN 2229-5674, Available at http://www.scholarhub.net, **Impact Factor(GIF): 0.405**
2	Sindhu K. P., and Rajitha Kumar S. (2013). Influence of Characteristics of Mutual Funds on Investment Decisions - A Study . *International Journal of Management*, Vol.4, Issue 5,103-108. ISSN 0976-6502 (Print), ISSN 0976-6510(Online), Available at www.iaeme.com/ijm.asp, **Impact Factor(GISI): 6.9071.**
3	Sindhu.K.P.and et.al. (2014). A Study on Factors Influencing Investor Sentiment in Indian Stock Market. *International Journal of Management*, Vol.5,Issue 1,7-13. ISSN 0976-6502 (Print), ISSN 0976-6510(Online) , Available at www.iaeme.com/ijm.asp, **Impact Factor(GISI) : 6.9071.**
4	Sindhu K.P. (2014). Investment Horizon of Mutual Fund Investors. *GE-International Journal of Management Research,* Vol.2, Issue 8, 159-172. 2014 **Impact Factor(GISI) : 3.142**
5	Sindhu K, P. (2015). Banking and Environmental Concerns: A Study on Customer's Awareness and Preference on Green Banking. *International Journal in Management and Social Science*, Vol.3, Issue7. **(Impact Factor-4.358)**
6	Vijesh Venugopal and Deepthi I (2014). Green Banking- A Corporate Social Responsibility , *International Journal of Multi disciplinary Education Research* (IJMER) , Vol.31, Issue1(2), pp.no.296-304. ISSN 2227-7881. **(Impact Factor-2.735)**
7	Shyamala. M, Vijesh Venugopal and Deepthi I (2014).Emerging Trends in Kerala Responsible Tourism. *IOSR Journal of Business andManagement*, Vol.16, Issue11, ppno.8-16**.(Impact Factor-1.219)**
8	Vijesh Venugopal (2014).ICT-A Sustainable Strategy for Women Empowerment in Kerala ,*IOSR Journal of Business andManagement*, Vol.16, Issue7 ,ppn0.8-16**.(Impact Factor-1.219)**

9	Shyamala, M.(2014).An Overview of Strategic Planning to Compact Occupational Stress- Need of the Hour in the Present Indian Context, *IOSR Journal of Business andManagement*, Vol.16, Issue11**(Impact Factor-1.219)**
10	L.P. Nitha, and et.al. (2014). Synthesis, spectroscopic characterisation, DNA cleavage, superoxidase dismutase activity and antibacterial properties of some transition metal complexes of a novel bidentate Schiff base derived from isatin and 2-aminopyrimidine, *Spectrochim Acta* A 118, 154–161, **(Impact Factor-2.09)**
11	L.P. Nitha, and et.al. (2014). Synthesis, characterization, antibacterial, DNA cleavage and SOD activities of some 3d metal complexes of ethyl[2-(1H-indol-3-yl)methyleneamino]-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carboxylate, *Med Chem Res DOI 10.1007/s00044-014-1099-5.* **(Impact Factor-1.23)**
12	L.P. Nitha, and et.al. (2014). Synthesis, spectroscopic characterization, DNA cleavage and antibacterial studies of a novel tridentate Schiff base and some lanthanide (III) complexes.*Rare Earth*, 32, 2014, 379-387. **(Impact Factor-1.29)**
13	L.P. Nitha, and et.al. (2014).Microwave assisted synthesis, spectroscopic characterization and luminescence property of transition metal complexes of 2-(3-phthalylhydrazidylazo)-ethyl acetoacetate.*Indian Chem* Soc 91, 2014, 1-9. **(Impact Factor-0.7)**
14	Priya, S and et.al. Nitric oxide releasing photoresponsive nano hybrids as excellent therapeutic agent for cervical cancer cell lines, *ACS Applied Materials and Interfaces, doi.org/10.1021/am402086m.* **(Impact Factor-6.7)**
15	Priya, S and et.al. Naked eye detection of Nitric oxide release from nitrosothiols aided by gold nano particles, *Analyst, DOI:10.1039/C2AN16182F,* **(Impact Factor- 4.3)**
16	Priya, S and Sheela Berchmans. Copper oxide-modified glassy carbon electrode prepared through copper hexacyanoferrate–G5-PAMAM dendrimer templates as electrocatalyst for carbohydrate and alcohol

	oxidation,*J Solid State Electrochem, DOI 10.1007/s10008-011-1537* , **(Impact Factor- 2.2)**
17	Priya, S and Sheela Berchmans, CuO Microspheres Modified Glassy Carbon Electrodes as Sensor Materials and Fuel Cell Catalysts, *Journal of Electrochemical Society, DOI: 10.1149/2.087204jes***(Impact Factor- 3.3)**
18	Priya,Sand et.al. S-nitrosothiol tethered polymer hexagons - synthesis, characterisation and antibacterial effect, *Journal of material science materials for medicine, DOI 10.1007/s10856-013-5032-0* **(Impact Factor- 2.3)**
19	Seema Menon and et al (2015). Phytochemistry and evaluation of in vivo antioxidant and anti-inflammatory activities of Oroxylum indicum Vent. root bark (2015). *Journal of Chemical and Pharmaceutical Research. 7(10): ISSN : 0975-7384 767-775* **(Impact Factor- 0.14)**
20	Seema Menon and et al (2015). Antithrombotic and anticoagulant activities of Desmodium gyrans (DC). *Journal of Chemical and Pharmaceutical Research ISSN: 0975-7384, 7(5):*973-980. **(Impact Factor- 0.14)**
21	Seema Menon and et al (2015). Study of antioxidant and anti-inflammatory activities of methanol extract of Desmodium gyrans (DC). *Journal of Chemical and Pharmaceutical Research, , 7(9):* 227-234 **(Impact Factor- 0.19)**
22	Seema Menon and et al (2015). Enhancement of functional HDL contributing to anti-atherogenic efficacy of Desmodium gyrans DC. *World journal of Pharmacy and Pharmaceutical Sciences ISSN: 2278 – 4357 4(1).* **(Impact Factor- 0.19)**
23	Seema Menon and et al (2016). Inhibition of Dimethylbenz(a)anthracene (DMBA) – Croton Oil-Induced Mouse Skin Tumorigenesis by Gmelina arborea with Potential Anti-Inflammatory Activity. *Journal of Environmental Pathology, Toxicology and Oncology, 35(3),* 263–272. **(Impact Factor- 1.246)**

24	Seema Menon and et al (2016). In vitro and in vivo antioxidant potential of Gmelina arborea stem bark. *Journal of Chemical and Pharmaceutical Research, , 8(6)*:167-172**(Impact Factor- 0.14)**
25	Seema Menon and et al (2016). Attenuation of DMBA/croton oil induced mouse skin papilloma by Apodytes dimidiata mediated by its antioxidant and antimutagenic potential. *Pharmaceutical Biology 54(9)*:1564-74**(Impact Factor- 1.241)**
26	Seema Menon and et al (2016). Radical scavenging and gastro protective activity of methanol extract of *Gmelina arborea* stem bark. *Journal of Ayurveda and Integrative Medicine* 7, 78-82. **(Impact Factor- 0.98)**
27	Sanoop, S (2015).Study of traditional agricultural practices of past and present practices in terms of paddy- A paradigm :Case study of Kuttanad region in Alapuzha district of *Kerala International journal of retailing andrural business perspective (ISSN 2279-0934 ,Print), (ISSN 2279-0942,online),*Vol 4, October-December 2015. **(Impact Factor- 5.996)**
Work Cited:	
1	Sindhu K.P. and Rajitha Kumar, S. (2014). Influence of Risk Perception of Investors on Investment Decisions: An Empirical Analysis. *Journal of Finance and Bank management* , Vo. 2, Issues 2, 15-25. ISSN: 2333-6064 (Print) 2333-6072(Online). Available at www.aripd.org.journals/jfbm/ Vol_2_No_ 2_June _2014/2.pdf. (**Published by American Research Institute for Policy Development with free of cost. Internationally acknowledged Research Paper.)**

c.) 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?

The college has provided specific consultancy services to public during last five years. However, the college has allowed research scholars (even from outside) to make use of the infrastructure available in the college. The college has no

objection to individual faculty members engaging in consultancy services.

3.5. 2 What is the stated policy of the Institution to promote consultancy? How is the available expertise advocated and publicized?

The institutional policy is to encourage consultancy services which benefit the local society.The college does not publish the expertise available for consultancy services.

3. 5. 3 How does the Institution encourage the staff to utilize their expertise and available facilities for consultancy services?

As per the University norms, few faculties of the Institution have been nominated as Members of the Board of Studies, University of Calicut. They have participated in ventures like syllabus revisal, question paper setting etc. Some of the teachers are involved in the setting of question papers for PSC Examinations and for Autonomous Colleges. The Institution provides duty leave to the Faculty membersin delivering invited lectures in concerned areas of expertise.

3. 5. 4 List the broad areas and Major consultancy services provided by the Institution and the revenue generated during the last five years.

- The Faculties having Ph.D. provide consultancy services to research scholars.
- The faculties in the P.G. department of Commerce and Management Studies also provide free consultancy services with respect to Income tax Assessment for individuals and personal investments.
- The Physics department has generated an income of Rs.3,750/- during these five years by testing water quality.
- The English Department provide free consultancy service in Translation.
- The Nodal Centre for UG/PG Admissions generated funds of Rs. 1000/-
- Department of Chemistry has taken intitiatives in ensuring the water quality of near-by locality and in providing awareness regarding food adulteration.

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?

Most of the consultancy services are provided free of cost. Any fund generated through consultancy services is credited to the management A/C which provides for overall development of the institution.

3.6. Extension Activities and Institutional Social Responsibility

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 believes that charity begins at home. Therefore the conentrated and harmonious endeavors of NSS, NCC and co-curricular clubs of the College are aimed at realising the commitment of the College towards institution-neighbourhood community. The College assumes the role of a light house in disseminating the light of knowledge and philanthropy to result in the holistic development of the society which will have a repercussion on the students, changing them radically leading to social awareness for individual contribution to alleviate social and personal miseries. A bird's eye view of the activities of different functionaries is as follows:-

- N.S.S played a major role in creating awareness on drug abuse, blood donation and campus cleanliness among students.
- Visit to Kalchady adivasi colony and voluntary service was undertaken under the auspices of N.S.S.
- An AIDS awareness rally and public meeting was organised by N.S.S to alert the local community.
- An Eye check-up camp and an awareness class about common eye diseases were arranged in collaboration with Trinity Eye Hospital, Palakkad for the students.
- A blood group determination camp was conducted in the college by NSS in association with Zoology department and a Blood Group Directory of the students of this college was prepared.

- The World Environment day and Ozone Day are observed by the nature club by planting trees and creating alertness among students for minimising plastic wastes.
- Due support was given to N.S.S and N.C.C by the college and entire students participated in the clean campus mission through the Compulsory Social Service (CSS) Scheme enforced by the University.
- Selected N.S.S volunteers extended their help in the smooth conducting of Alathur Sub-district School Shasthrolsavam.
- A series of career orientation programmes and personality development classes were arranged by the career guidance and counselling cell for the general benefit of the student community.
- Placement cell took initiative in arranging recruitment sessions for the final year students and many students got campus placement.
- Essay, photography and painting competitions were arranged during different occasions for fostering the inborn talents in students.
- College Union as well as all departments actively undertook the endeavour of helping the poor and needy by visiting old age homes and orphanages with a supply of food and dress materials. They spend time with them through recreational activities.
- Campaign against drug abuse was given prime importance in the N.S.S activities.
- Awareness classes were conducted under the auspices of N.S.S in more than 30 educational instituions in Alathur and Chittur taluk.
- Rallies organised against drug abuse in the Palakkad town gained public attention.
- Conscious efforts were made by the N.S.S unit for arousing public concern about road safety measures.
- Blood donation campaign and a free cataract operation camp were arranged by the N.S.S units.
- Some of the students of English department took English Grammer classes to the students of nearby schools.

- Women empowerment was given due emphasis in the activities of N.S.S and free karate training was given to girl students.
- Legal Literacy classes are arranged by the NSS units in collaboration with Kerala State Legal Services Authority (KELSA)
- N.C.C plays a major role in maintaining an atmosphere of discipline in the campus.
- N.C.C cadets attended the Ceremonial Independence parade at Fort Maidan, Palakkad.
- Cadets also attended various National and State level Camps.
- Flag Day was observed on December 7th in commemoration of the Jawans who lost their lives in war.
- Republic Day was also celebrated with a spirit of nationality.
- Arts day organised with the intention of evoking the talents in the students and active participation from the students with high spirit and enthusiasm made it a great success.
- The Staff Club of the College exhibits its social commitment by way of contributing financial aid for medical treatment of the casual labourers, students and underprivileged in the society. They time and again visit orphanages in the area and render financial, moral and social support to the inmates.
- Distribution of food items to the destitute of nearby orphanages as part of NCC outreach programme.
- Promotion of students' interest in organic farming and terrace farming
- Tailoring classes for girl students is organised by women empowerment cell of this institution.
- Conduct sales fest on organic fruits and Vegetables

3. 6. 2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

The College conducts various programmes through the activities of the NSS, NCC, Nature Club, Departmental Associations etc. which help to promote citizenship roles among the students. The teachers-in-charge of these programmes

keep track of the involvement of the students in these activities. It is the active involvement of the students that has prompted the College to maintain two units of the NSS and also to take up the girls' wing of the NCC. Parents are informed about the curricular and extra-curricular activities of their wards in the College during the parent teacher interaction that ensues the biannual PTA meetings which help togenerate motivation from the parents' side so that the students are prompted to take part in social activities in their neighbourhoods.

3. 6. 3 How does the Institution solicit stakeholder perception on the overall performance and quality of the Institution?

The students' feedback collected forms a major basis of the stakeholder perception on the quality of the institution. Apart from this, the PTA meetings convened on a regular basis renders its suggestions and comments to improve the overall performance. to Th interactions with alumni is also crucial in this regard. Informal meetings with local community leaders on various occasions also help to track the stakeholders' perception.

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.

The extension and outreach programmes are planned first at macro level at the beginning of the academic year with the nomination of the various teachers-in-charge for the auxiliary clubs during the first staff meeting of the year. Later on, the teachers in- charge of the Auxiliary Clubs, NSS, NCC, Staff Club, and Women's Cell etc. sit together with the Principal and chalk out plans for the year. Before this, the students who participate in these activities are also consulted and their views and suggestions are given due weightage. At the Department level, staff meetings are held to draw up plans for the extension activities at the beginning of the year. Here too, the opinions of the students are considered which are communicated to the Department through their representatives. The teachers-in charge devise meticulous action plans with the help of other faculty members and the student participants carry them out accordingly.

Normally, projects which involve substantial financial commitment are not chosen. Instead programmes with maximum student involvement are chosen so that active participation in these can create a positive change in the attitude as wellas thepersonality of the participants thus contributing to their overall development. Wherever finance is needed voluntary contributions are sought from all the stakeholders attached to the College like teaching and non-teaching staff, alumni and individual members in the management as well as the student community.

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?

- The students are informed of the benefits of joining NCC, NSS, auxilliary Clubs etc. when they join the College and are encouraged to join these organisations and also to take part in the activities of the Auxiliary Clubs.
- The management provides infrastructure and at times funding for the extension activities.
- The members of the staff extend their physical as well as financial resources for the smooth conduct of the various outreach programmes of the college.
- The Management permits the functioning of service organisations of national and international repute in the College.
- As a result of motivation provided to students, outstanding NCC cadets were selected for participation in National /International Camps and Republic Day Camp at New Delhi.

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?

Under the motivation of the faculty members, the NSS, NCC and the Women Empowerment Cell the students carried out a good number of socioeconomic surveys and extension activities to promote social justice and empower students, women and children.

3. 6. 7 Reflecting on objectives and expected outcomes of the extension activities

organized by the Institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

Besides aiming at the overall development of the students, the extension activities are specifically designed to complement the academic learning that happens in the classrooms. The plethora of extension activities that happen every year instil several values and skills in the students as shown below.

- The students develop aptitude and attitude for scientific research when they undertake socio-economic surveys.
- Planning and carrying out extension activities develop the organisational skills of the participants.
- Working with the underprivileged benefits the students of humanities as they are able to gain practical insights into the theoretical inputs they receive in the classrooms.
- Students are sensitized towards socially relevant issues through awareness classes
- The students gain healthy insights into the complex workings of the society through these extension activities.
- Interaction with school students during classrooms training and strengthens the pedagogical skills of the students who may opt teaching as a career later on.

Generally speaking, the students get to know several things which are not found in textbooks, which enable them to gather valuable life skills that will stand them in good stead throughout their life and future career.

3. 6. 8 How does the Institution ensure the involvement of the community in its outreach activities and contribute to the community development? Detail on the initiatives of the Institution that encourage community participation in its activities?

The outreach programmes of the College are designed to ensure maximum benefit to the target group in the society. Through this, the College envisages the whole-hearted participation of the beneficiaries by means of the extension activities implemented. The following measures ensure the involvement of the community in the extension activities of the College:-

- The advice and co-operation of the Local Self-Government agencies are always sought at the planning level itself so as to guarantee the involvement of the local community in the programmes.
- The NSS selects rural areas to carry out its extension activities. The local population is invited to actively take part in the projects they take up like road construction, house renovation etc.
- Several of the activities specifically meant for the women and the underprivileged are carried out with the cooperation of the Kudumbasree Units.
- The students are encouraged to take follow up action for the programmes that are conducted, thus strengthening the ties the College has developed with the beneficiaries.
- Most of the programmes are aimed at target groups in the two Panchayth adjacent to the College, which is the significant reason for the large involvement of the local community in all the extension activities of the College.

3.7. Collaborations

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 scholarships etc.

Nil

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.

Nil

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/up-gradation of academic

facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology / etc.

Nil.

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 five years.

NAME OF THE RESOURCE PERSON	LEVEL/ OCCASION
Commerce & Management Studies	
Dr.S.N.Sasidharan Kartha, MD, (CMRL)	ED Club Inauguration
Dr.K.B. Pavithran Professor, SCMS CUSAT	Regional Seminar
Smt. Jayasree .K. Assistant Manager, Federal Bank	Regional Seminar
Suresh Menon .P, Assistant Manager, Central Bank of India, Mumbai	National Seminar
Jose Thomas, Manager, Malabar Cements	ED Club Inauguration
Dr. V.Babu, Associate Professor, Christhu Jayanthi College, Bangalore	National Seminar
P.M.Sibi, Assistant Manager, South Indian Bank	National Seminar
Dr.M.K.Baby, Associate Professor, Devagiri college, Kozhikode	National Seminar
Dr.S.Rajitha Kumar, Associate Professor, CUSAT	National Seminar
Dr. K.P.Muraleedharan, Professor, DCMS, Calicut	National Seminar
Dr.B.VijayaChandran Pillai, Professor, DCMS, Calicut	National Seminar
Dr.Maani.K.P., Department of Commerce, JMC, Thrissur	National Seminar
Dr.V.K.VijayaKumar, Portfolio consultant, Geojeet Securities	National Seminar
Dr. G.Naresh, Assistant Professor, Pondicherry	National Seminar
Ravi Jain, NSE, Kerala Head, Cochin	National Seminar
CA Harish.C.R., Chairman ICA Palakkad chapter	National Seminar
Pradeep Menon, Research Head, DBFS, Cochin	National Seminar

Dr.T.G.Saji, Assistant Professor, Government College, Thrissur	National Seminar
Dr.N.Raghavan, Associate Professor, DCMS, Madras University	National Seminar
Dr.G.Raju,M Associate Professor Government womens College, Trivandrum.	National Seminar
C.A.Madhusoodhanan. K.P, Chairman, ICA Palakkad Chapter	National Seminar
Dr.N.Raman Nair, Director, SCMS Cochin.	National Seminar
Dr.Ashok Kumar, Director, Karppagam University, Coimbatore	National Seminar
Mr.Unni Krishnan.E, Chief Credit Manager, South Indian Bank, Thrissur	National Seminar
Chemistry	
Dr. Sugunan –Retd Professor Dept. of Chemistry - CUSAT	Invited Lecture
Dr.P.Padmakumar, Assistant Professor, Dept. of Chemistry- Govt. Victoria college Palakkad	Regional Seminar
Dr.P. Raveendran, Professor, Dept. of Chemistry, University of Calicut.	Regional Seminar
Dr. R. Manu, Assistant Professor, Sree Vyasa NSS College Wadakkanchery.	Regional seminar
Dr. Joby Thomas, Associate Professor, St.Thomas College, Thrissur	Regional Seminar
Dr. John P. R., Assistant Professor, Dept.of Chemistry, Govt Victoria College Palakkad	Regional
Dr. Radhika Thankapan, Scientist, CMET Trissur	Regional
INSTRUMENTATION	
Shejin. H.S, Assistant Professor, Department of Applied Electronics & Instrumentation, MES, College of Engineering, Kuttipuram, Malappuram, Kerala.	National Seminar
Ashok. K, Assistant Professor, Department of Applied Electronics & Instrumentation, IES, College of	National Seminar

Engineering, Thrissur, Kerala, India.	
Indu.T, Lecturer, Department of Instrumentation and Control, NSS College of Engineering, Palakkad.	National Seminar
Dr.P.R.Sreemahadevan Pillai, Dean, Faculty of Engineering, University of Calicut	National Seminar
Dr.R.K.Sharma, Professor, Department of AeroSpace Engineering, Karunya University, Coimbatore, Tamil Nadu	National Seminar
Dr.Sanjeevi Gandhi.A, Assistant Professor, Department of Electronics & Instrumentation Engineering, Karunya University, Coimbatore, Tamil Nadu	National Seminar
Dr. B.Vinod, Associate Professor and Head of Department of Robotics & Automation Engineering, PSG Institute of Technology, Coimbatore, Tamil Nadu.	National Seminar
Dr.Sudheesh.P, Assistant Professor, Department of Physics VTM NSS College Trivandrum	National Seminar
Dr.Nishamol.M.S. Assistant Professor Department of Electronics Govt College Chittur Palakkad	National Seminar
Dr. David Solomon George, Associate Professor, Dept of Electronics & Communication Engineering, Rajiv Gandhi Institute of Technology, Kottayam- 686501	National Seminar
G.Sankar, Assistant Professor, Dept. of Electronics & Communication, RVS College of Arts and Science, Sulur, Coimbatore, Tamilnadu	National Seminar
Jibin Jose, Assistant Professor, Department of Bio Medical Engineering, Sahrdaya College of Engineering & Technology, Kodakara, Thrissur, Kerala	National Seminar
N.Nandakumar, Research scholar, Sri Rama Krishna Mission Vidyalaya college of Arts & Science, Coimbatore, Tamil Nadu	National Seminar
Dr. Gigi Sebastian Associate Professor, Department of Chemical Engineering, Government Engineering College,	National Seminar

Calicut, Kerala	
Dr.Anto Johny.T, Associate Professor, Department of Physics St.Thomas College Thrissur	National Seminar
Dr N C Balakrishnan, Senior Professor, Guruvayurappan Institute of Management, Coimbatore & Chairman, The Institution of Engineers (India) Palghat Local Centre. Palakkad,	National Seminar
Kaja Hussain U, Custom Support Engineer, BPL Telecoms Pvt. Ltd., Chandranagar, Palghat	National Seminar
M Kumaresan, Assistant Professor, Dept of Electronics & Communication, RVS College of Arts and Science, Sulur, Coimbatore, Tamilnadu	National Seminar
P V Haseena, Assistant Professor, Department of Chemical Engineering, Government Engineering College, Calicut, Kerala, India	National Seminar
Dr R K Biju, Assistant Professor, Department of Physics, Pazhassi Raja N S S College Mattanur, Kannur	National Seminar
M K Preethi Rajan Assistant Professor, P G Department of Physics & Research Centre, Payyanur College, Payyanur 670 327, India	National Seminar
Botany	
Dr. Kishore Kumar, Assistant Professor, Farooq College	Environment day celebration and seminar on Mangrove biodiversity
Dr. P.S. Udhayan, Assistant Professor, Sree Krishna College	Seminar on Taxonomic key preparation
Sri. N.A. Naseer, Wild Life Photographer	Workshop on wild life photography
Dr. P.S. Udhayan, Assistant Professor, SreeKrishna College	Regional

Sri. Guruvayoorappan, WWF	Regional
Dr. Prakash Kumar, Director, Malabar Botanical Garden	National Seminar
Dr. N. Sasidharan, Former Head of Plant Taxonomy, KFRI, Peechi	National Seminar
Dr.S.Rajasekharan, Former Director of JNTBGRI, Presently member of State Bio-diversity Board	National Seminar
Dr. Parimelazhagan, Associate Professor in Botany, Bharathiyar University, Coimbatore	National Seminar
Dr.S.Paulsamy, Associate Professor in Botany, Kongunadu Arts & Science College, Coimbatore	National Seminar
Dr.K.Arumugasamy, Associate Professor in Botany, Kongunadu Arts & Science college, Coimbatore	National Seminar
MALAYALAM	
Dr.A.K Nambiar, Former Director, School of Drama & Fine Arts, Calicut University	National Seminar
Dr. C.R Rajagopalan, Professor, Dept. of Malayalam, Kerala University	National Seminar
Dr. T.Githesh, Asst.Professor, Dept of Malayalam, Madura Kamaraj University.	National Seminar
Dr. N.Ajithkumar, Former Principal, N S S College, Nemmara	National Seminar
Dr. B. Ravikumar, Associate Professor, Dept of Malayalam- N S S Hindu College, Changanacherry. Kottayam	National Seminar
Dr. Soman Kadaloor, Asst. Professor, School of Folklore Studies- Calicut University.	National Seminar
Dr. Hemamalini. M, Asst. Professor, Dept. of Malayalam, St. Mary's College, Thrissur	National Seminar
Dr. V.Shobha, Editor Green Books, Thrissur	Regional
Shri. Asha Menon, Writer, Malayalam Literature	Regional
Shri. Vijayakumar Kunissery, Critic, Malayalam Literature	Regional
Dr. P.Saraswathy, Associate Professor, Vyasa N.S.S	Regional

College, Thrissur	
Prof. M.Haridas, Retired Associate Professor, Dept of Malayalam, St. Aloseious College, Irinjalakuda, Thrissur	Regional
Sanskrit	
Dr. E Jayan, Principal, VTB College, Palakkad.	Regional
Paikulam Narayana Chakyar, Aaacharyan of Chakyar koothu	Regional
S Sushama, Retd. Professor, N.S.S. College, Nemmara	Regional
English	
Dr. Syamala (Asst Prof., Dept of English, Mercy College, Palakkad)	Expert Talk
Dr. Kishore Ram, Assistant Professor, Department of English, NSS College, Kottiyam.	Seminar on Film Studies.
Mathematics	
Dr. Sunny Kuriakose, Dean, FISAT, Angamaly	National Seminar
Dr. A.K.Nandakumaran, Professor, IISC, Bangalore,	National Seminar
Dr. K.S.S Moosath, Professor IIST, TVM	National Seminar
Dr.Paul Isaac, Associate Professor, Dept. of Maths, Bharath Mata College, Thrikkakara, Kochi.	National Seminar
Dr. Sajith.G , Assistant Professor, Dept. of Maths, SS College, Areacode.	National Seminar
Dr.Anuradha.S, Professor & HOD, PG & Research Dept. of Maths, Hindusthan College, Coimbatore.	National Seminar
J.Murugesan, HOD, Nachimuthu Polytechnic College, Pollachi.	National Seminar
Zoology	
Dr. Sree Nathan, Associate Professor, N.S.S. Engineering College, Palakkad	Regional
Saritha Nampoothiri, Faculty, Computer Science, VTB College, Palakkad	Regional
Shidhi P.S, SRF, Department of Bioinformatic, University of Kerala, TVM.	National

Bharak Goli, Faculty, Department of Bio-informatics, University of Kerala, TVM.	National
Dr. P.R. Padma, Professor, Department of Bio Chemisry, Avinashalimgam University of Women studies, Coimbatore.	National
Dr. P.Radha, Assistant Professor, Department of Bio Chemisry, Avinashalimgam University of Women studies, Coimbatore.	National
Dr. P.R. Sree Mahadevan Pillai, Dean of Engineering, University of Calicut	National
Dr.Vishnu R, Assistant Professor, Department of Physics, Sree Krishna College, Guruvayoor	National
Dr. Manu R, Assistant Professor, Department of Chemistry, Sree Vyasa College, Vadakkanchery	Regional
Dr. R.Nishi, Associate Professor & HOD, P.G.Department of Zoology, SN College, Alathur	Regional
Dr. S.Sankar, Senior Scientist, KFRI, Peechi, Thrissur.	Regional
Dr. Gayathri Elayidam, Assistant Professor in Zoology, NSS College, Ottapalam, Palakkad.	Regional
Dr. Ramachandran K, Assistant Professor, Central University, Kasargode.	Regional
Dr.G.Prasad, HOD, Department of Zoology, University of Kerala, Kariyavattom, TVM.	National
Dr. Sreejith S, University of Kerala, Kariyavattom, TVM.	National
Dr. Anvar Ali, Assistant Professor, KUFOS, Kochi	National
Dr.Bindu L, Assistant Professor, MSM College, Kayamkulam	National
Dr. SreeRenjith Kumar, HOD, Zoology, Govt. Victoria College, Palakkad	National
Dr.S Jayasree, HOD, Zoology, Mercy College, Palakkad.	National
Dr. P.Pramod Nair, Senior Scientist, Salim Ali Center for Ornithology and Natural History, Coimbatore	National

Dr. Francy Kakkassery, Associate Professor & HOD, Department of Zoology, Thrissur.	National
Dr.Muhamed Jafar Palot, Assistant Zoologist, Western Ghat Regional Centre Zoological Survey of India, Calicut.	National
Dr. Mahesh Mohan, Assistant Professor, School of Environmental Science, M.G.University	National
Dr. C.P.Shaji, Scientist, Fisheries Sector.	National
History	
Adv. Girish, Chittur	Talk on Legal Awareness
Father Antony, Thrissur	Talk on Moral Values
Mr. Satish, Excise Intelligence Officer, Palakkad.	Talk on Anti-intoxicants
Mr. Krishnan Kutty, C.I of Police, Attapadi	Practical Session on Self Defence
Jayanthi Vasan, Excise Duty Commissioner, Palakkad	Talk on Anti-intoxicants
Mr.O.K. Praveen, Assistant Professor, Sree Vivekanada College, Kunnamkulam	Regional
Srreba, Assistant Professor, Govt. College, Chittur	Regional
Physics	
Dr. K.C. Ajith Prasad, Asso. Professor, M.G. College, Thiruvananthapuram	Regional
Dr. V.M. Anandkumar, Asso. Professor, M.G. College, Thiruvananthapuram	Regional
Dr. K.N. Sreekanthan, Asso. Professor, N.S.S. College, Manjeri	Regional
Sri. M.L. Sunil, Dy.SP, Palakkad	Regional
Sri. K.R. Balasubramaniam, ASI Palakkad	Regional
Career Guidance & Placement Cell	
Mr. Jomy L., Director, Sensorium school of Management, Thrissur.	Talk 0n Career Opportunities And

	Challenges
Mrs. Bhagyalakshmi, Retd. Professor, Govt.College, Thrissur	Class on Communication Skills in English
Mr. Jinson J., Faculty, Prism Technologies, Irinjalakkuda	Class on Soft Skill Development
Mr.Joby John, Personality Development Trainer, Thrissur	Class on Personality Development
Dr.S.Rajashekar, Principal, AIMS,Coimbatore	Personality Development & Soft skill training
Mr.Haridas P. M.,Marketing Head, TIME,Palakkad	Soft skill Training
Mr.Suresh P., Industrial Career seminar professional, Hallibuston offshore inc, India	Personality Development Training
Mr.Sabari, Trainer, Centre for Automation study, Kanathur Media, Palakkad.	Personality Development Training
Mr.Santhosh, Calibration Engineer, Emerson	Personality Development Training
Mr. Sujith P.S, HR Area Head, Eureka Forbes, Cochin	Campus Recruitment.

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

Nil

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

Nil

3.7.7. Other relevant information regarding Research, Consultancy and

Extension which the College would like to include.

Research

- The college plans to set up a research centre to provide facilities to carry out quality research.
- Access to the Centre will be granted not only to the college faculty but also to research scholars/faculty from outside.
- The college plans to earn revenue from this center through consultancy services.
- The revenue earned will help in maintenance and procurement of more apparatus for quality research.

Publications

- Faculty members are motivated to publish their research finding in national and International journals.
- During the last five years 105 Research papers in national and international journals have been published.
- Books and chapters in books, articles in proceedings of national /international symposia / seminars, thesis, abstracts and other articles (in various magazines and dailies) have been published by faculty members.
- During last five years several faculty members participated in national and International conferences, respectively.

Consultancy

All staff members are encouraged and given full freedom to offer consultancy

Extension

Staff members and students are motivated to carry out extension activity

Salient features:

The mission of the college is to impart higher education to the surrounding population with special emphasis on rural population.

CRITERION IV

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?

N.S.S.College, Nemmara, under the management of Nair Service Society, is an aided institution. This institution, situated in a remote area, focuses primarily onfulfilling the educational needs and the upliftment of the marginalized sections of society, while providing sufficient opportunity for the general community also. Hence, the college is accountable for creating opportunities for the holistic development of the student by inculcating values, civic sense and responsibility while extending institutional resources to society for befriending environment. Thus the management and the college authorities are committed to the assertion of sufficient and practical infrastructure for teaching and learning. The institution endows adequate infrastructure facilities with special focus on quality education availing of financial assistance from the UGC, the Management, the Parent Teacher Association, the Government of Kerala and College Alumni.

The management wholeheartedly supports the efforts and requirements and provides all possible resources to facilitate an effective teaching-learning process. The incorporation of modern infrastructure amenities enhances the use of ICT methods in teaching through smart boards, computers, LCD projectors, laptops and full-fledged computer labs with internet facilities. To append the existing infrastructure, a proposal for the extension is submitted to the Management and other national funding agencies such as UGC.

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.

There are 12 UG and 3 PG programmes offered in this college. The institution provides sufficient class rooms as per the requirement to accomplish the various courses offered by University. The college has affordable amenities for co-curricular aspects of students. The college has an extensive campus spreading out to an area 38 acres and with built-up area of 10 acres. All the departments have staff rooms with necessary facilities.

The institution is located in the Melarcode Panchyat of Palakkad district, Kerala state. It has three building blocks for academic activities. The main block houses Principal's office, College administrative office, Departments of English, Mathematics, Physics, History, Political Science, Economics, Malayalam, Oriental Languages, Chemistry, Zoology, Commerce, Mathematics and Botany. The Seminar hall, Language Lab and the Main Computer Lab are also attached to the main block.

The second building houses Instrumentation and Physical education departments. The Library and the Auditorium are also functioning in this building. In the third block we have a college Canteen and a Cooperative store, in addition to a few class rooms.

There are 38 adequately ventilated classrooms in this college. In addition to classrooms, various laboratories, staff rooms, computer labs, office rooms, are also operational in the three blocks.

A well equipped language lab exists in this college for imparting training for communicative English. There are 8 well furnished laboratories as part of the science departments.

Infrastructure Facilities for curricular and co-curricular activities

Sl.No.	Facility	Nos.	Area in Sq.m

1	Class Rooms	38	18506.45
2	Laboratories	8	9057.43
3	Seminar Hall	1	1144.00
4	Computer Centre	1	747.50
5	Central Library	1	1393.74
6	Auditorium	1	3978.00
7	Language Lab	1	250.00

Administrative area

The administrative wing, which includes the Principal's chamber and the college Office occupies an area of around 191 sq. m.

Common Amenities

Sl.No.	Facility	Nos.	Area in Sq.m
1	Toilet- Ladies and Gents	18	90
2	Girls Common Room	1	35
3	Canteen	1	80
4	Cooperative Store	1	20
5	Post Office	1	15

b) Extra – curricular activities – Sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

The college puts forward specific objectives for the multi faceted development of students into healthy individuals with good spirit, discipline and human values. The college has keen attention and facilities required for the promotion and development of extra-curricular activities along with curricular aspects. This is essential for the development of team spirit, leadership qualities, decision making capacities, precise analytical skill etc. The college has brilliant sports personnel who have brought laurels to the institution at the University level.

Cultural Activities:

The College has carved out a special niche for itself in the field of extracurricular activities. The college has been actively participating in the University Youth festivals and various intercollegiate fests. In the last five years, the college has bagged many prizes which have brought laurels to the college. In the year before last, it occupied the third place among colleges in the Palakkad district. In the year 2014-15, the college hosted a Padayani and Thirayattom Programme by noted artist, Professor Kadammanitta Vasudevan Pillai in collaboration with Tourism department, Government of Kerala. The motive behind this was to update awareness about the age old cultural heritage of Kerala. This event gave the rural folk to feel the cultural heritage of our state. As part of the UGC sponsored National Symposium organized by the department of English in 2011-12, a Kathakali adaptation of 'Julius Caesar' was performed by Sadanam academy. The students are motivated to keep the campus free from drugs (though there have been no such reports so far) through a stimulating campaign by joining hands with the authorities of the Police and Excise authorities.

NSS Unit

The socially committed extension activities of the NSS units of this institution are noteworthy. The units actively undertake social and humanitarian projects. The college NSS team regularly organizes social camps in surrounding remote villages to generate awareness among the public community on various social, moral and ethical principles. The NSS Unit of the college creates opportunities for student involvement in social service activities by arranging special camps in nearby villages and towns. The unit also organizes blood donation camps and cancer awareness classes frequently.

NCC Unit

The army wing of the NCC is functioning in the campus. Records of NCC cadets, who have participated in various national events, including the Republic Day Parade and Special Training Camps, are maintained in the NCC office.

Human Right's Club

The Human Right's day is observed annually by this club. The club also organizes seminars related to topics of immense relevance.

Health and Hygiene

The College has a very special concern for the health and hygiene of the students, staff and other members. The authorities ensure cleanliness in the college on a regular basis and also try to maintain a plastic free campus. For this, special bins are placed at every floor and also in labs to collect such material. Students are instructed to involve in the maintenance of the cleanliness of the College. Proper arrangements for availability of drinking water and clean water are there in the college campus at different locations. Separate first aid kits are maintained in the Science labs.

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 authorities of the college aim to provide all infrastructural facilities for the developmental needs of the institution and to ensure its optimal utilization. Over the years, the college has developed its infrastructural facilities from funds received from UGC, Management, PTA and alumni. The Commerce department's computer lab is equipped with 12 desktop computers, two lap top, two printers and a scanner. The language lab operates in a fully air conditioned environment which is equipped with 15 desktop computers and a 5 KV inverter. The main computer lab has 12 computers. In addition to this all departments have computers with printers for regular functioning.

The primary objective of the institution is the optimal use of the available and existing physical infrastructure. Classrooms are utilized for remedial coaching and peer group teaching after regular working hours. The auditorium is used for

various events. During holidays, medical camps and eye camps are organized in the college by various NGOs. To keep in pace with the needs and academic growth, additional infrastructure needs to be added. For this, the college has submitted proposals to the UGC for a 1 Crore Golden Jubilee Memorial Block. Urgent maintenance and repair work are accomplished through funds from the management and PTA.

Annual Budget Allocation

Head	2012-13	2013-14	2014-15	2015-16
Maintenance	1,25,000	150000	200000	250000
Miscellaneous	25,000	30,000	40,000	50,000
Total	1,50,000	1,80,000	2,40,000	300000

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

The college is fairly responsive to the requirements of differently abled students. All manual and technical help are voluntarily extended to these students. Ramp facility is available at various places in college to support physically disabled and differently abled students and staff. The college is prepared to provide necessary facilities, when and where the need arises. We take special care to see that requirements of the physically disabled students are met satisfactorly by shifting their class rooms to ground floor and by providing wheel chairs.

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

- Hostel Facility – The College offers provision of accommodation for female students. At present, it is under renovation.
- Round-the-clock Security and vigil

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?

A first aid kit is maintained in the college to deal with emergency situations. Where consultation with a doctor is advisable and inevitable, the college provides for funds, conveyance and faculty support to accede consultation of doctors in the nearby Government Hospital, Nemmara. Moreover, the NSS unit on behalf of the college conducts annual free medical and blood donation camps for both the staff and the students.

4.1.7 Give details of the Common Facilities available on the campus–spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking waterfacility, auditorium, etc.

The college has provided necessary infrastructural facilities for the effective functioning of Women's Cell, Career Guidance and Placement Cell, Canteen, IQAC, safe drinking water facility etc. The college has an auditorium to conduct student activities and other recreational activities of students and the staff club. The Womens' Cell of the college takes up all women centric issues seriously. Functioning of the IQAC guarantees the academic advancement of the college, up-gradation of the teaching and learning process. It has played a significant role in the design of the activities of various clubs, preparation of academic calendars etc. The IQAC room is well furnished with cupboards, high speed internet connectivity, and computer with printer and scanner etc. The Grievance Redressal Cell and Counselling centre provides opportunities to students to be aware about various problems and solutions about various spheres of life such as career, vocation, mental and physical health, personality development, etc. The college canteen provides quality food at affordable prices. Breakfast and lunch is provided to students at subsidized rates. The canteen also has a cafeteria serving snacks, tea, coffee and cool drinks. Boiled drinking water is provided in the Canteen. The seminar hall with a seating capacity of one hundred can be used for conducting various events and functions.

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?

Since the Library has to cater to the needs of a variety of users such as faculty, post graduate and undergraduate students and non-teaching staff, a broad and extensive collection of books from different fields are included in our book stock with primary importance for meeting the needs of students and faculty members. All major departments have their own library stocked with reference books and other materials needed for higher education. Project Reports done by students are well maintained in the departmental library. Library Advisory Committee was formed for formulating policies, rules and regulations and implementing them in a judicious mannerfor the smooth functioning of the library. The committee monitors, evaluates and recommends measures for the smooth running and effective utilization of this facility. The Library committee advises the library staff regarding the update and improvement process of library facilities. The procurement of text books, subscription of journals is done by the advisory committee. The advisory committee has Principal as the chairman, librarian as secretary and few representatives from faculty as members. One senior faculty member is appointed as the coordinator of the committee.

The committee meets at least once in a term and develops plans for the effective and efficient utilization of the library records. The committee in consultation with different departments prepares the list of books and journal to be purchased and each year and supervises the purchase. The rules regarding working hours for issue and return of books, up keep and maintenance of books, arrangement with in the library are done by the advisory committee.

Improved innovations introduced by the library advisory committee during the last three years are the following

1. Fully automation of the library with "**GRANDHA**" software is under process
2. Increasing the internet browsing facility at the library.
3. Organized seminars/workshops concerning new library tools and their efficient use.
4. Notice boards at the main portico of the building displaying the new arrivals

4.2.2 Provide details of the following: Total area of the library (in Sq. Mts.), Total seating capacity, working hours (on working days, on holidays, before examination days, during examination days, during vacation)

Details of the College Library

Sl.No.	Specification Details	Details
1	Total area of the Library	1393.74 Sq.Mts.
2	Total Seating Capacity	40
3	Working Hours (daily) fromMonday to Saturday	9am – 4.30pm
4	Working Hours During Examination Days	9am – 4.30 pm
5	Working Hours During Vacation	10 am – 4pm
6	Working hours during National holidays and Holidays as per University Calendar	NA

A separate library is maintained in some departments for referring subject books, managed by the Head of the Department and a teache-in-charge.

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 library committee supervises the purchase of books and journals based on the syllabus prescribed for a subject and feedback from teachers and students
- Selection of subject books and journals are entrusted to individuals departments. This ensures that current volumes of latest titles are purchased.
- The catalogues of leading publishers are referred for preparing the purchase booklist.
- The funds for library purchase derive from, U.G.C, PD fund PTA or from research projects.

Amount spent for the Purchasing of books and journals (last four years)

	2012-13		2013-14		2014-15		2015-16	
Library	No:	Total	No:	Total	No:	Total	No:	Total

Holdings		Cost		Cost		Cost		Cost
Text Books	183	59,285	133	57,894	81	40,729	83	46,308
Reference Books	18	13,231	18	10,800	15	8,191	6	3,045
Any other	55	5,033	161	77,329	60	16,532	44	9,774

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

- OPAC : No
- Electronic resource management package for e- journals: Nil
- Federated searching tools to search articles in multiple databases: Nil
- Library website : Nil
- In house remote access to e- publication: Nil
- Library automation: The book records have been entered in automated library software through when the books can be accessed.
- Total number of computers for public access : Two
- Total Number of printers for public access : one
- Internet band width/ Speed. : 2 mbps, 10 mbps, 1gb
- Institutional repository : Yes available
- Content management system for e- learning : Not available
- Participation in resource sharing net work consortium : Not available

4.2.5 Provide details on the following items

- Average no. of working days : 250-300
- Average no. of books issued/returned/day : 75
- Ratio of library books to students enrolled : 1: 27
- Average no. of books added during the last three years 2013-2016 : 200
- Average no. of login to (OPAC) : NA
- Average no. of login to e-resources : 12

- Average no. of e-resources downloaded/printed : 8
- No. of information literacy training organised : 1
- Details of "weeding out" of books and other materials : 203
- The total no. of collections in the library is 35011. Out of the total collection 203 books are written off from the stock because these are damaged and out of relevance.

4.2.6 Give details of the specialized services provide by the library

- Manuscripts: NIL
- Reference: A separate reference section is available for the reference of staff and students.
- Reprography: Photocopy facility is available in the library for the students and staff of the college.
- ILL (Inter Library Loan Service): Not available.
- Information Deployment and Notification: A separate carrier corner is there in the library where information regarding vacancy notifications is displayed. Information is circulated in the classrooms.
- Download: Online internet services are available to students and faculty throughout the working hours and the services are available free of cost. The internet services are made available throughout the college through wireless LAN but browsing for students is restricted to terminals in the libraries and computer labs.

Printers are available in the libraries, so that both the students and staffs can take the printout as and when needed.

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

A very cordial atmosphere is provided in the library by the library staff. The staff and students can freely use the library from 9.00 a.m to 4.30 p.m during all working days. It also ensures that internet facilities are available to the staff and students at all times. The library staff maintains the duty of issue and return of books. Further the librarian helps in searching reference books and provides reminders

about the submission of books. The new arrivals of books pertaining to all departments are displayed in the rack meant for that. Orientation and awareness programmes are conducted every year for the newly enrolled students to get them accustomed to existing practices. Newspapers and journals are properly categorized and displayed handy for students. The library staff strictly maintains discipline to create an atmosphere for higher learning. The defaulters list is prepared and handed over to the Principal for further action. Preservation and maintenance of the stock is carried out regularly. Library staff at the circulation desk and in the reading area assists students, faculty, researchers and staff in locating the required information sources available within the library.

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

The visually/ physically challenged persons are assisted personally by the library staff. The library staff is always willing to voluntarily serve the differently abled students.

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

Verbal feedback is gathered by the Principal and the members of the library committee, from the faculty and students about services/facilities in the library. The feedback is analysed and suggestions are made for improving services. Feedbacks are considered by the committee and college authorities and remedial measures are taken.

4.3. IT Infrastructure

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

Nearly 73 computer systems are available for use by staff and students in the college.

Details of Computers in the College

Sl.No	Location	Numbers
1	Departments	21
2	Principal Room	1
3	Office	8
4	Library	1
5	Examination Section	2
6	Main Computer Lab	12
7	Commerce Computer Lab	12
8	Language Lab	15
9	IQAC Room	1
	Total	73

Details of Computer Infrastructure

Sl.No	Details	
1	Computer-student ratio	1:18
2	Stand alone facility	Nil
3	LAN facility	Available
4	Wifi facility	Available
5	Licensed software	22
6	Number of nodes/ computers with Internet facility	20
7	Any other	Nil

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

The college provides internet facility in all staff rooms. There are two browsing centres for both staff and students. Wi-Fi enabled classrooms are planned for effective teaching. Staff members can make use of the Wi-Fi facility for official use in the campus. Every staffroom is provided with computers to allow free access to internet for staff.

All the students and staff members have free access to the computer and internet facility of the college. All the staff members are having own computers/laptops with internet facility at home. Most of the students are also having own computers. The college has made all efforts to get Lap top computers to SC/ST students from the schemes provided by the Panchayat authorities. Students also depend on internet cafes to access information. Computer labs are also opened on holidays as per demands of students. The Nodal Centre for UG/PG admission provides opportunities for off-campus students to complete registration related formalities and know allotment details.

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

The college has two computer labs, one with 14 computers and another computer centre with 18 computers for students' access. Every year, the college ensures that additional IT facilities are made available as per requirements. The software is also upgraded from time to time to meet the demand.

Upgradation of the computer systems are linked with the demands of software in use. We try to provide the latest software to the computer users. The computer related planning is done by the Digital Wing – a group of teachers who have special interest in IT and related fields. The institution plans to establish (1) A cyber café (2) e-library (3) linking of college library with Inflibnet, universities and other institutions (4) IT oriented short term job oriented courses like web designing, tally, income tax return preparing, SPSS, computer accounting system etc.

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	Budget (in Rupees)
2012-13	30,000
2013-14	40,000

2014-15	60,000
2015-16	1,00,000

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 institution encourages every faculty member to use ICT methods of teaching for providing quality education. The LCD projectors are supplied to the staff members to take the class through power point presentations. The faculty members utilize the facilities provided by the college to impart advanced knowledge to the learners. The smart board with LCD projector in the digital seminar hall is utilized by everyone on sharing and supportive basis. The project presentations by PG students are encouraged to present in this open forum. Moreover, online learning materials are provided to the students by the concerned faculty members. It is fact that ICT assisted teaching methodology has shaped the course of education with a new dimension. We found that both the students and the faculty are beneficiaries of such exceptional practices.

4.3.6 Elaborate giving suitable example on how the learning activities and technologies deployed (access to online teaching-learning resources, independent learning, ICT enabled classrooms/learning space etc.) by the institution place the student at the centre of teaching-learning process and renders the role of a facilitator for the teacher.

Latest teaching aids are installed in most of the departments. Interactive boards, computers and reprographic facility along with internet connection are available in all the PG departments and facilities are used by students as well as staff members.

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?

Not applicable

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 upkeep of the following facilities?

In every year College council which includes Heads of department and concerned committee evaluate the existing facilities and makes an estimate for the year.

Annual Budget Allocation

Sl. No.	ITEM	(Amount in Lakhs)				
		2011-12	2012-13	2013-14	2014-15	2015-16
1	ICT	10.5	6.00	7.5	6.5	8.0
2	Campus Infrastructure and Facilities	7.0	7.50	9.0	12.75	11.0
3	Equipments	4.0	2.45	3.0	4.50	4.5
4	Others	2.0	2.5	3.0	3.50	4.0
TOTAL		23.5	18.45	22.5	27.25	27.5

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

Maintenance of the existing infrastructural facilities of the college is one of the primary objectives of the college. As per the recommendations of the Heads of the department, the Principal invites quotations regarding the work. Maintenance work is carried out by the Engineering Department of the Nair Service Society under the responsibility of the Chief Engineer himself. The maintenance of instruments is done when required. The PTA also provides necessary financial assistance for the maintenance and upkeep of infrastructure facilities of the college.

Laboratories and Equipments

- Every lab is assigned with a faculty-in-charge and a lab staff-in charge. Lab staff-in charge is responsible for the proper upkeep of the stock on a day to day basis.
- Stock verification is done by this team at the end of every semester as well as when there is a change of person-in-charge.
- Minor repairs, if any, during the course of the semester are done by using the facilities and expertise available within the campus.
- Major urgent repair is brought to the notice of the Principal, which is dealt with immediately.

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

All the instruments are calibrated at least twice a year. First calibration is made at the start of the session and another before university examinations. Instruments provide accurate and precise results within admissible experimental error. Instruments are installed in various departments and their calibration and maintenance works are taken care of by the respective departments. Sensitive instruments are kept and maintained as per the standard procedures.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipments (Voltage fluctuation, constant water supply etc.)?

All the modern scientific instruments are present in the various departments of college. Scientific equipments are installed in concerned departments in dust and damp free environment. Department of Physics, Chemistry, Zoology, Instrumentation and Botany have their separate instrumentation rooms where sophisticated equipments are placed safely. Voltage stabilizers/UPS/inverters are used to protect costly and sophisticated equipments from voltage fluctuations. Equipments are calibrated regularly for their accuracy and precision.

Constant water supply is provided by: (1) Kerala Water Authority Department that supplies purified water from nearby Pothundy Dam, which is

pumped and stored in a water tank maintained in the college campus. (2) The college has one bore well and kokerny which also provide pure water.

4.4.5. Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

There is a Co-operative society to provide service to students, the teaching and non-teaching staff. The society functions according to the rules and regulations of the Co-operative sector under the Government of Kerala.

CRITERION V
STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the Institution publish its updated prospectus/hand book annually? If yes what is the information provided to students through this document and how does the institution ensure its commitment and accountability?

The Institution publishes and updates its Academic calendar/ Hand book on an annual basis. Care is taken to provide every particular pertaining to the institution in the handbook. This includes the college profile comprising of a brief history and a list of Governing Body members. The handbook clearly states the vision and mission of our institution. The Programmes offered, course structure including complementary and open courses, admission procedure, Course and examination fee pattern and general code of conduct to be followed in the institution are highlighted in the handbook. The facilities extended by the institution to students, the primary stakeholders are listed. It gives an enumeration of the faculty profile, and the committees and student support mechanisms functioning in the college. The annexure provided includes the application forms for various purposes.

Institution ensures its commitment and accountability through accuracy of information provided and adhering to time bound schedule as specified in the handbook to the best possible extent.

5.1.2 Specify the type, number and amount of institutional scholarships/freeships given to the students during last 5 years and whether the financial aid available and disbursed on time?

Mainstream of our students being from economically weak section of the society, utmost care is devoted to assist them in availing every possible financial support in the form of grants and scholarships. Perhaps, this is a primary reason for the low drop-out rate of our college during the past few years. Apart from the

financial aids available from Central and State governments in the form of fee concession and e-grants, the college utilizes every opportunity to mobilise aids from other sources in the form of scholarships for the benefit of students. 'Mannam Nidhi Scholarship' is instituted by the management to the meritorious students hailing from financially poor background of the community which runs the institution. Alumni also renders financial support to deserving candidates. PTA offers cash prize to the University toppers of each Departments and students achieving excellence in sports and fine arts.

Scholarships and Financial Support during the last five years

Nature of assistance	**Year**	**No: of student beneficiaries**
Financial support from institution	2011-12	13
	2012-13	13
	2013-14	13
	2014-15	13
	2015-16	14
Financial support from government	2011-12	675
	2012-13	862
	2013-14	871
	2014-15	819
	2015-16	963
Financial support from other sources	2015-16	13

Details of scholarships availed by the students during last five years

Name of Scholarship	2011-12	2012-13	2013-14	2014-15	2015-16	Amount (Rs)
Central sector scholarship	1		5	6	12	10000
Postmatric Scholarship		12	3			10000
Sanskrit Scholarship					3	
State Merit Scholarship	3	1	3		3	1250
Suvarna Jubilee Merit Scholarship	7	4	1	4	13	10000
Muslim Nadar girl Scholarship	2		2			1250
Blind/PH Scholarship				3	2	4000
Snehapoorvam Scholarship					1	Depends on availability of fund
Vidya Samunnathi Scholarship					15	Depends on Income
Kerala State Higher Education Council			1	1		40000
Single Girl child Scholarship				2		

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

72.1%

5.1.4 What are the specific support services/facilities available for

Students from SC/ST, OBC and economically weaker sections.

The institution takes it a policy to provide information regarding concessions and scholarships in due time so as to ensure that maximum students avail its benefit. A faculty is appointed in charge of this section. Majority of our students come under the category of SC/ST/OBC and economically weaker sections. They are the main beneficiaries of the monetary supportive measures. 20 per cent of the seats are reserved for SC/ST students.They get full fee concession and various scholarships from the government.

Details of students availing financial support

YEAR	SC	ST	OBC	KPCR
2011-2012	246	05	398	172
2012-2013	228	04	370	205
2013-2014	241	09	443	233
2014-2015	222	11	446	190
2015-2016	228	12	490	223

Students with Physical disabilities

Seats are reserved for students with physical disabilities as per University norms and the institution assists the students to avail the scholarships offered by the government. Special attention and care is given to such students in teaching and learning process and proper counselling is also provided to bring them to main stream. Human and mechanical assistance is provided as and when required. Shifting of the B.Com class room to the ground floor during the period 2014-2017 was on this account. Ramp facility is also provided at specific points.

Overseas students

There are no overseas students in the college. However, during some

academic years we have students from Lakshadweep, whose educational and other expenses are reimbursed by the Government.

Medical assistance to students

Talks on health and hygiene, awareness classes on epidemics and contagious diseases are given to students and general public under the guidance of the two NSS units. Cancer awareness classes were organized in association with Regional Cancer Centre and by eminent oncologists under NSS activities.Blood donation camps and eye check up camps were also organized periodically by the NCC and NSS units of the college. Blood group directory of students isprepared and maintained. Immediate medical attention to students is ensured as and when required. Financial assistance in support of medical aid is provided to the deserving students by the students and staff club.

Skill development programmes

- Classes on soft skill development,
- ASAP (Additional Skill Acquisition Programme)
- Career orientation programmes
- Communication skill development classes
- Walk With A Scholar Programme
- Tailoring classes
- Spoken English Classes

Support for slow learners

Academically weak students are identified by the group tutor and recommended for remedial coaching. Scholar Support programme, an initiative of the Higher Education Council, is being effectively utilized for the benefit of slow learners. Effective teaching methods involving audio visual aids and ICT are used to enhance their learning ability. Another effective method for the slow learners is peer teaching .The tutors assign duties for peer teaching group. Support in the form of study materials are given for slow learners.

Exposures of students to other institutions of higher learning/corporate/business house etc.

- Formal educational visits to research institutes like CUSAT,CMFRI. IARI, wheat breeding institute /Agricultural universities/banks, factories and software companiesetc. to develop practical knowledge and scientific interest in students.
- UG/PG students are encouraged to present papers and attend seminars,workshops at National and State level

Publication of student magazines

Many of the departments takes initiative to encourage students to express their skill and talents through wall magazines and manuscript/ magazines.

Department	**Wall Magazine**	**Department**	**Wall Magazine**
Botany	*Flora*	Instrumentation	*Xplore*
Chemistry	*Aroma*	Malayalam	*Nadham*
Commerce	*Voice of Commerce*	Mathematics	*Ganith*
Economics	*Eco Diary*	Physics	*Optica*
English	*Graffiti*	Zoology	*Fauna*
History	*Clio*		

There is an official student's College magazine published under the intitiative of the college union with assistance of Staff Editor. The Department of English brings out a journal titled 'The Translator' which provides opportunity for students to publish their translated works.

5.1.5 Describe the efforts made by the Institution to facilitate entrepreneurial skills, among the students and the impact of efforts?

The college has Entrepreneurial Development Club under the Department of Commerce and Management Studies. It conducts various industrial visits, seminars and workshops to develop entrepreneurship skills among the students and organizes fairs to promote skills in marketing. Fairs are held in the college during which the students set up stalls and sell items prepared at home.

Impact- Developing a positive attitude and courage towards starting new ventures.

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.?

The Institution has a Fine Arts Association with Fine Arts advisor and a Secretary. Arts club organizes and monitors the extracurricular activities of the institution. The club takes care of all the cultural events (individual and group items) at the institutional and zonal level. There are other clubs like Flora Club, Nature Club, Red Ribbon Club, Blood Donors' Forum, Film Club, Samskriti Sanskrit Club, Nadham Malayalam Club, Music Club, Literary Club, Anti Narcotics Club, Quiz and Debate Club. All the festivals and days of national importance are celebrated under the auspices of these clubs and various departments ensure the optimum participation of students of all disciplines. Requirements regarding Special dietary, sports uniform and materials are met by the Department of Physical Education. The institute provides flexibility in examinations to the students participating in various extracurricular and co curricular activities .The internal examination dates conducted by the institution are often rescheduled for those students in participating in various events.

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

Academic and personal counselling are provided for the students through the mentoring system by the faculties. All the departments have effective tutorial systems and through this the teachers know about the strength and weakness of students and mould them for a better future. External experts in various disciplines are invited to the college to deliver classes for the motivation of students. Career Guidance and Placement Cell provides ample exposure to students with respect to job prospects and campus selection.

5.1.8 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.

The institution has a career guidance cell which provides proper orientation to students in opting career. The employment opportunities are displayed on the notce board and also circulated in class rooms. The Cell also arranges outreach lectures to facilitate the students.

The following Programmes were conducted by the career guidance cell

Programme	Resource Person
Career Oppurtunities and Challenges	Sri.Jomy.L, Director Sensorium school of Management
Communication Skills in English	Smt.Bhagyalakshmi, Retd.Professor, Dept.of English, Govt.College, Thrissur.
Soft Skill Development	Sri.Jison.J,Faculty,Prism Technologies
Personality Development	Mr. Joby John, Personality Development Trainer
Personality Developmentand Soft Skill Development	Dr.S.Rajasekhar,Principal AIMS Coimbatore
Soft skill Training	Mr. Haridas.P.M,Marketing Head, TIME,Palakkad
Personality Development	Mr. Suresh .P, Industrial Career Seminar Professional,Hallibuston Offshore. Inc
Personality Development	Mr. Sabari,Trainer, Centre for Automation Study, Kanuthur Media,Palakkad
Personality Development	Mr. Santosh,CalibrationEngineer,Emerson

5.1.9 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last five years.

The Institution has a student's Grievance redressal cell which addresses the complaints of the students. The Grievance cell has a seven members with a senior faculty as coordinator. The cell acts on the complaints received and suggest appropriate measures to rectify them. The following complaints were rectified by the grievance cell:

1. The students have complained about the lack of pure drinking water in the campus, this has been addressed by establishing water coolers in the campus.
2. Complaint about insufficient washroom facilities. Necessary steps have been taken for providing sufficient facilities.
3. Lack of permanent staff in the common library. The matter has been reported to the management for taking immediate steps and temporary arrangement has been made to solve the problem.
4. Lack of sufficient furniture to accommodate the enhanced strength of the students. Sufficient furniture purchased to solve the problem.
5. Lack of proper wash counters in the college canteen. Wash counters were modified by replacing the old sinks and water taps.

5.1.10 What are the Institutional provisions for resolving issues pertaining to sexual harassment?

The Institution has Women Cell to tackle sexual harassment. The Women Cell organizes awareness programmes for empowering the girl students.One of the teaching faculty was a member of Vanitha Commission. There have been no cases of sexual harassement in the campus so far.

5.1.11 Is there an anti ragging committee? How many instances (if any) have been reported during the last 5 years and what action has been taken on this?

The institution has an Anti ragging cell comprising of the principal as Chair person and a senior faculty as coordinator. The Anti-Ragging cell with the cooperation of Discipline Committee and Department Heads ensures that no cases of ragging occurs within the campus. No cases have been reported in the last 5

years.

5.1.12 Enumerate the welfare scheme made available to students by the institution?

Various welfare schemes are made available to students by the Institution;

- The principal maintains the SAF (Student Aid Fund) to help the economically weaker students.
- The college canteen provides quality food at subsidised rates
- The college cooperative store provide uniform and stationary items at concessional rates
- Staff club provides financial assistance to deserving students
- The college PTA and alumni gives financial assistance to economically backward students
- Book Bank facility is provided to the needy students by the Departments.
- Fee Concession as per Government norms.

5.1.13 Does the institution have a registered alumni association. If yes what are its activities and major contribution for institutional, academic and infra structure development.

The institution has an Alumni Association. The OSA (Old Student Association) contributes to the welfare of the Institution. The OSA institutes Scholorships to meritorious students. The ornamental gate in front of the campus was sponsored by the OSA. Further an intercom system connecting various departments and office was also sponsored by the OSA.

Notable Alumni of the college

Sl. No	Name	Position
1	Sri. K.Babu	MLA of Nemmara constituency
2	Sri. Sukumaran.K	Ayiloor Grama Panchayath President

3	Sri. Preman.K	Nemmara Grama Panchayath President
4	Smt Anupama V	Senior News Reporter
5	Smt Anamika K	Chartered Accountant, ICICI Bank
6	Smt S. Lakshmi	Senate Member, Calicut University
7	Sri. Muhammed Kasim.V.S	Deputy Superintendent of Police
8	Sri. Rohith Menon. M	Film Star
9	Sri. V.S.Muhammed Ibrahim	Joint Director SC/ST Development
10	Sri. Seshadri Nadhan C	Chartered Accountant
11	Mr. M.L Sunil	DySP-Palakkad
12	Dr. Balakrishnan	Eye Specialist
13	Smt. Hemalatha	Asst. Prof, Govt College, Kozhinjapara
14	Sri Anand R	Assstant Manager, Canara Bank, Mysore
15	Uthara M	Probationary officer SIB, Chennai
16	Indulekha K	HSST, Kizhakkencherry

Further our PTA President and Taluk Union President of NSS are also our former students. We have several Alumni members among our former and present teaching staff.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment for the last 5 batches) Highlight the trends observed

Department	Progression	2011-12	2012-13	2013-14	2014-15	2015-16
Commerce	UG toPG	43	32	37	35	47
	Employment	23	17	21	18	16
	PG to M.Phil			1		1
	Enterpreunership/ Self employed	1	2	6	3	4
Economics	UG toPG	40	42	48	56	52
	Employment	32	38	42	31	32
English	UG toPG	35	52	43	44	44
	Employment	8	11	-	12	16
	Enterpreunership/ Self employed	1				
History	UG toPG	24	27	27	27	29
	Employment	7	12	8	5	-
Botany	UG toPG	27	36	13	32	38
	Employment	21	8	14	7	4
Chemistry	UG toPG	46	11	35	35	27
	PG to M.Phil					3
	Employment	33	14	7	-	-
Instrumentation	UG toPG	43	13	19	30	10
	Employment	44	30	25	26	10
Mathematics	UG toPG	45	42	44	40	38
	Employment	22	20	19	16	-
Physics	UG toPG	43	56	64	56	53
	Employment	44	30	20	-	-
	Enterpreunership/Sel f employed	12	7	3.5	-	-
Zoology	UG toPG	36	14	21	25	41
	Employment	9	14	13	17	9
	Enterpreunership/ Self employed	9	9	8	13	9

5.2.2 Provide Details of the Programme wise pass percentage and completion rate for the last 5 years (Batch wise as stipulated by the university).

Department	2011-12	2012-13	2013-14	2014-15	2015-16
B.Com.	95	91	95	95	90
BBA	100	90	91	91	92
Economics	95	95	97	70	70
English	96	91	79	96	89
History	75	91	73	87	87
Botany	91	92	84	93	80
Chemistry	83	57	76	69	92
Instrumentation	100	100	100	85	73
Mathematics	94	72	75	54	68
Physics	84	74	82	90	91
Zoology	95	100	97	100	100
M.Sc Mathematics	75	71	85	100	100
M.Com.	92	100	83	83	100
M.Sc Chemistry	-	-	-	100	100

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

The institution takes special attention in ensuring student progression. Departments take sufficient pain to induce a spirit in students for higher education. Due support is given to students appearing for competitive examinations. Career guidance and placement cellsthrough academic and career counselling and campus placements support the progression towards employment.

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

Personal issues including financial problems as well as educationally weak background form the major cause of dropout. Effective tutorial system, Remedial classes,Scholar Support Programme, personal and individual attention through

mentoring system, Tests and retests, ICT enabled teaching, peer group teaching etc are the methods employed by the faculty to promote the weak students who are at risk of failure. Mentors find out the reasons behind dropout and adopt effective measures like counselling to students and parents. Steps are taken to help the students to avail fee concessions and financial assistance as per Government norms. In addition, support from PTA, staff club and alumni also helps the students to overcome financial barrier.

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 programme calendar

Students actively participate in a range of sports including track and field, Volley ball, Cricket, etc. College level competitions are conducted and best students are selected and sent to A –Zone and then to InterZone Competitions. Fine Arts Day and College Day are conducted every year for promoting the talents of students. There arevarious clubs under some departments to promote the cultural and extracurricular activities of the students.

Number of Students Participated in the National Level Championship in different Sports and Games

Sports Events	2011-12	2012-13	2013-14	2014-15	2015-16
Athletics	1				1
Cross country	1				

Number of Students Participated in the Inter University Level Championship in different Sports and Games

Sports Events	2011-12	2012-13	2013-14	2014-15	2015-16
Athletics	1			1	
Taekwondo				1	

Number of Students Participated in the University Level Championship in different

Sports and Games

Sports Events	2011-12	2012-13	2013-14	2014-15	2015-16
Athletics	8	5	5	4	4
Cross country	1				
Tennis	1	3	4	4	2
Volleyball	12	12	12	12	12
Taekwondo			2	6	7
Basketball				12	
Wrestling				2	2
Judo				2	2

Number of Students Participated in the State Level Championship in different Sports and Games

Sports Events	2011-12	2012-13	2013-14	2014-15	2015-16
Volleyball	2	2	5	5	8
Taekwondo				3	2
Basketball				1	1
Wrestling					1

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 5 years

Name of Students	Achievement
Rahul Krishna A R, III B Com	❖ Participated in the 46th National Cross country Championships in 12 kms run and 20 and UN organised by Maharashtra Athletics Association at Pune ❖ Participated in the All India University Athletics championship at MD University Rohtak ❖ 1ST Position in 5000 mts in the Calicut university athletics held at EMEA college, Kondotty

	❖ Second position in the cross country men championship held at St Marys college Sulthan Bathery ❖ 1st position in the 16th Kerala state cross country championship at CAS college Madayi, Kannur
Vipin.A.C II Instrumentation	❖ First position and individual championship in the Calicut university tennis championship ❖ Member of Calicut university tennis men team
Sunitha.M III Economics	❖ 3rd position in Heptathlon in Calicut university athletics championship held at EMEA College Kondotty
Sajin.V III Bcom	❖ 3rd position in 400 mts in the 54th Kerala state senior athletics championship held at Maharajas College Kochi
Anitha.S II English	❖ 3rd position in 4x100 m and 4x 400 m relay in the 54th Kerala State senior Athletics Championship held at Maharajas College Kochi
Ranjith.C.C II BBA	❖ Represented Palakkad District in the Kerala State Volley Ball Championship
Dhanoop.C I Economics	❖ Represented Palakkad District in the Kerala State Volley Ball Championship
Volleyball Team	❖ Runner up in the Calicut University C Zone championship
Cricket Team	❖ Participated in the Calicut University C Zone Cricket Championship
Vipin.A.C III Instrumentation	❖ IInd position in Calicut University Tennis Men Singles Championship and won the Individual Championship
Anila.R I BA English	❖ Third Position in Javelin Throw in the Calicut University Athletics Meet
VolleyBall Team	❖ Winners of of Calicut University C-Zone Volleyball Tournament and got selection to

	participate in the Calicut University Interzone Volleyball Championship
Cricket Team	❖ Played the Semi Finals in the C-Zone Calicut University Cricket Championship
Football Team	❖ Participated in the Calicut University C-Zone Football Championship
Ranjith.C.C III BBA	❖ Got Selection in the Senior/Youth State Volley Ball Championship.
Dhanoop.C I BA Economics	❖ Got Selection in the Senior/ Youth State Volley Ball Championship
Athletics Team	❖ Participated in the Calicut University Interzone Athletics Championship
Sanoop.A.K I BSC Zoology	❖ IIIrd position in Calicut University Tennis Men Singles
Anila.R II BA English	❖ Second Position in Javelin Throw in the Calicut University Athletics Meet
Sajith Kumar.S I BA Economics	❖ IIIrd position in Calicut University Taekwondo Championship
VolleyBall Team	❖ Winners of Palakkad District C-Zone Volleyball Tournament and got selection to participate in the Interzone Volleyball Championship.
Cricket Team	❖ Played the Quarter Finals in the Palakkad Dist C-Zone Cricket Championship.
Ranjith.C.C I Mcom	❖ Got Selection in the Senior/Youth State Volley Ball Championship
Gopi.K II Maths	❖ Got Selection in the Senior/Youth State Volley Ball Championship
Sreejith I History	❖ Got Selection in the Senior/Youth State Volley Ball Championship
Sanesh.S I History	❖ Got Selection in the Senior/Youth State Volley Ball Championship

Nirmal Raj I English	❖ Got Selection in the Senior/Youth State Volley Ball Championship
Athletics Team	❖ Participated in the Calicut University Interzone Athletics Championship
Volleyball Team	❖ C-Zone Winners and Participated in the Calicut university interzone volleyball championship
Basketball Team	❖ C-Zone Runners Up
Ragi.R I Chemistry	❖ All India Inter University Participation(Athletics) ❖ 3rd position in 400 mts race in Calicut University Athletics 2014-15 ❖ 2nd Position in 400mts and 400MH in State Senior Athletics Championship
Praveena.D I Botany	❖ All India Inter University Participation (Taekwondo) ❖ 1st position in Calicut University Taekwondo Championship 2014-15
Athira.A III Chemistry	❖ 2nd position in Calicut University Taekwondo Championship 2014-15
Athira.A I Malayalam	❖ 3rd position in Calicut University Taekwondo Championship 2014-15
Haris.S III Instrumentation	❖ 3rd position in Calicut University Taekwondo Championship 2014-15
Rajeev I Mcom	❖ 3rd position in Calicut University Wrestling Championship 2014-15
Sanoop.A.K II Zoology	❖ Selected in Tennis Open selection- Calicut University 2014-15
Ranjith.C.C II Mcom	❖ Best Player in C-Zone Volley ball Championship, Selected for State Senior Volleyball Championship
Bijulal II Economics	❖ Selected for State Senior Volleyball Championship
NIrmal Raj II English	❖ Selected for State Senior Volleyball Championship

Gopi.K III Maths	❖ Selected for State Senior Volleyball Championship
Sanesh.S II Economics	❖ Selected for State Senior Volleyball Championship
Vipin I Instrumentation	❖ Selected For NBA camp (Basket Ball)
Cricket Team	❖ Participated in the C-Zone Cricket CHampionship
Athletics Team	❖ Participated in the Calicut University Interzone Athletics Championship
Judo Team	❖ Participated in the Calicut University Interzone Judo Championship
Wrestling Team	❖ Participated in the Calicut University Interzone Wrestling Championship
Ragi.R II Chemistry	❖ Participation in Federation Cup Nationals Athletics ❖ 3rd Position in 400 Mts Hurdles in Calicut University Athletics
Praveena.D II Botany	❖ 1st Position in under 46 kg category in Calicut University Taekwondo Championship ❖ 1st position in the Senior State Taekwondo Championship
Aiswarya.V I Economics	❖ 1st Position in under 57 kg category in Calicut University Taekwondo Championship ❖ 1st position in the Senior State Taekwondo Championship
Dinesh Kumar I BBA	❖ 2nd Position in under 63 5kg category in Calicut University Taekwondo Championship
Sajith Kumar III Economics	❖ 3rd Position in under 52 kg category in Calicut University Taekwondo Championship
Ranjith.C.C II Mcom	❖ Selected in the Calicut University Volleyball Camp ❖ Best player in the C-Zone Volleyball Championship

Premkumar.P.K III Chemistry	❖ 2nd Position in Junior State Wrestling Championship
Karthik.A.R II Maths	❖ Selected as Mr Palakkad in the palakkad District body building Championship
Vipin II Instrumentation	❖ 2nd position in senior state basketball championship ❖ Participated in the NBA camp held at Trivandrum
Ranjith.C.C Nirmal Raj Ajith Abhinand Krishnadas Divyamol Anju.K Bibitha	❖ Selected in the senior/youth volleyball state championship
Volleyball Team	❖ Winners of Calicut University C-Zone Volleyball Championship ❖ Participated in the Calicut university interzone volleyball championship.
Basketball Team	❖ Played Semi Final in Calicut University C-Zone Basketball Championship
Cricket Team	❖ Participated in the C-Zone Cricket Championship
Judo Team	❖ Participated in the Calicut University Interzone Judo Championship
Wrestling Team	❖ Participated in the Calicut University Interzone Wrestling Championship
Athletics Team	❖ Participated in the Calicut University Interzone Athletics Championship

A summary of the outstanding performances of our students in various cultural activities is listed below

Inter Zone/Inter Collegiate State and District Level Winners

NAME	CLASS	PROGRAMME	PLACE
2012-2013			
Sajeesh.K.R	IIIBotany	Chenda Single	I
Sruthy.T	III Instrumentation	Elocution(Hindi)	II
Sajeesh.K.R	III Botany	Painting Water colour	II
Anupama.K	I Physics	Hindi essaywriting	II
Athira.N	II Economics	Folkdance	I
Maneeksha.T.P	II English	Malayalam essay writing	III
Sajeesh.K.R Akhil.T Pavithran.P, Anoop Sreejith.S Arjun.C.V Brijith.M	III Botany II B.Com I B.Com I BBA. II B.Com. IBBA I Instrumentation	ChendaMelam Group	I
Sajeesh.K.R Akhil.T Pavithran.P, Arjun.C.V Brijith.M	III Botany II B.Com I B.Com IB.BA. I Instrumentation	Chenda Tayambaka	I
Akshaya Gopalakrishnan	III B.Sc Maths	Folkdance	III
2013-2014			
Sruthy T	II Instrumentation	Versification(Hindi)	II
Sruthy.T	III Instrumentation	Elocution(Hindi)	II
Syam.M.G Sanooj.K Vivek.L	III History III History I English	Quiz	III
Niveditha.S	II English	Versification English	I
SreeLakshmi.S	II English	Aksharaslokam	III

Athira, Vidhusri ArjunK.G	II Instrumentation III Botany III Botany	Pookalam	II
Viswanath.K.V	I B.Com	ClassicalMusic	III
Sruthy.PNair	I English	ClassicalMusic	III
Sreeranjini.M, KavyaGopinath, Akhil Sruthy.PNair Vishnu Gopal.V.S	I B.Com I B.Com III B.Com I English II Physics	Group Song	III
Akhil.T	III B.Com	Chenda(Eastern)	III
Akhil.T Praveen.V, Pavithran.P, BharathChandran.C Sreejith.S Arjun.C.V Brijith.M	III B.Com I Instrumentation II B.Com I Economics III B.Com. II BBA. II Instrumentation	ChendaMelam Group	I
Akhil.T Praveen.V, Pavithran.P, BharathChandran.C Sreejith.S SaiKrishna, Brijith.M	III B.Com II Instrumentation. III B.Com II Economics III B.Com I Instrumentation III Instruentation	Panchavadyam Group	I
Akhil.T Praveen.V, Pavithran.P, Sreejith.S Brijith.M	III B.Com II Instrumentation III B.Com III B.Com III Instrumentation	Chenda Tayambaka	I
Akhil.T Praveen.V,	III B.Com II Instrumentation	Maddalam	I

Pavithran, Brijith.M	III B.Com III Instrumentation.		
Akshaya Gopalakrishnan	I Maths	Folkdance	III
2014-2015			
Bincy Baby	II Zoology	Collage	I
Sruthy T	III Instrumentation.	Versification(Hindi)	II
Sruthy.T	III Instrumentation.	Elocution(hindi)	III
Sruthy.T	III Instrumentation.	Debate	III
Niveditha.S	III English	Debate	III
Vishnu Gopal V.S	IIIPhysics	Cartoon drawing	III
Athira, Vidhusri ArjunK.G	II Instrumentation. III Botany III Botany	Pookalam	II
Viswanath.K.V	II B.Com	ClassicalMusic	III
Sini.G.Nath	I Zoology	Mapilapattu	III
Viswanath.K.V, Sini.G.Nath, RenjithaNair.K.P, Sreeranjini.M, KavyaGopinath, Rishiraj	II B.com I Zoology I Chemistry II B.Com II B.Com I Physics	Groupsong	III
Viswanath.K.V, Sini.G.Nath, RenjithaNair.K.P, Sreeranjini.M, KavyaGopinath, Rishiraj Greeshma.H	II B.com I Zoology I Chemistry II B.Com II B.Com I Physics I B.Com	Patriotic Song	II
Ragesh.R, Praveen.V, Pavithran.P,	I.Economics II Instrumentation. III B.com	ChendaMelam	I

BharathChandran.C, Manoj.B, Midhun,M Brijith.M	II Economics. II Chemistry. I Economics. III Instrumentation.		
Vishnu.K.Nair, Praveen.V, Pavithran.P, BharathChandran.C Manoj.B, Midhun,M, SaiKrishna, Brijith.M	I.Malayalam II Instrumentation. III B.com II Economics. II Chemistry. I Economics. II Instrumentation. III Instrumentation.	Panchavadyam	I
Vishnu.k.Nair, Praveen.V Pavithran, Manoj.B, Brijith.M, Arjun.C	I.Malayalam. II Instrumentation. III B.com II Chemistry. III Instrumentation. II BBA	Chenda Tayambaka	III
Vishnu.k.Nair, Praveen.V, Pavithran, Brijith.M	I. Malayalam II Instrumentation. III B.Com III Instrumentation.	Maddalam	II
Akshaya Gopalakrishnan	II Maths	Kerala Nadanam	III
Sanjay Sree Govind, SreejithMenon, Adarsh, BharathChandran.C, VimalA.S, Praveen.V, Pavithran.P, AjithKumar.P	I Instrumentation.I Instrumentation. II Econcomics. II Economics. II B.Com. II Instrumentation. III B.Com II BBA	Folkdance (Group)	

2015-2016			
Bincy Baby	III Zoology	Collage	II
Unnikrishnan	II Chemistry.	Flute	II
RithuNanda	II Chemistry	Malayalam story writing	II
Vishnu.K.Nair, Praveen.V, BharathChandran.C Midhun,M, Sreejith. SaiKumar	II.Malayalam. III Instrumentation. III Economics. II Economics. II Instrumentation. II Instrumentation.	Maddalam	I
Vishnu.K.Nair, Praveen.V, BharathChandran.C Midhun,M, Sreejith.	II.Malayalam. III Instrumentation. III Economics. II Economics. II Instrumentation.	Panchavadyam	I

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?

Regular feedbacks are taken from students regarding the performance of the faculty and the quality of the course. Improvements are made accordingly. The suggestions offered by the parents during PTA General Body are also taken into consideration. Periodical interaction with local community leaders also proves useful in this regard.

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

All departments encourage students to publish research/literary articles, stories/poems, interview reports, cartoon and pencil sketches, paintings in the

College magazine and other departmental publications. Wall magazines also serves the purpose to bring out the budding talents.

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 adopts the presidential mode in College Union Elections. The formalities and procedures as set down by the University are strictly adhered to. Right from the date of election notification the authorities take special care to ensure impartiality and transparencyin the procedures. Special timings are allocated for campaigning purpose. Class representatives are electe during the first stage of the process. As per the regulations only those students who have secured more than 75 per cent of attendance and have cleared the previous semesters can contest for the post of class representative. The Office Bearers of the Union are elected from these class representatives after filing of nominations and voting process. The major Office bearers of the College Union includes Chair person, Vice Chair person, General Secretary, Joint Secretary, Fine Arts Secretary, Student Editor, General Captain and University Union Councilors. After the Official Oath taking Ceremony, the Union takes pain to organize seminar, awareness classes, cultural activities and various competitions. Arts Day and College Day celebrations are undertaken by the College Union in a splendid manner providing ample opportunities for students to exhibit their skills.

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

There are several cells and committees with student representation. They include

- IQAC
- Student Affair Committee
- Canteen Committee
- Fine arts association
- All co-curricular clubs have student representatives

Apart form the college Union, the students have participation in bodies like IQAC. Students' Affair Committee constituted by the elected class representatives and office bearers of the Union forms another platform for free

discussions of any matters pertaining to the students' welfare and grievances. All the extra-curricular activities and club activities are also carried out with active student participation.

5.3.7 How does the institution network and collaborate with the Alumni and the former faculty of the institution?

Alumni Association holds periodic meetings as and when required. Besides, the coordinator of the programme started a whatsapp and a face book group (old is Gold) to facilitate continuous interaction among the members of the alumni. The main aspiration of the alumni association is to upgrade the college as a well distinguished college in the Palakkad district. The institution keeps in touch with the retired staff on a regular basis. The expertise of the retired hands is made use of in the improvement of academic levels.

Any other relevant information regarding student support and progression which the college would like to include

The college has a Nodal Center to co-ordinate UG/PG admissionundertaking registration, editing etc especially for off-campus students. The center has generated some funds to the institution in doing so.

CRITERION VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

N.S.S College, Nemmara is situated in a rural locale which renders the imparting of modern and quality scientific education to the socially and economically backward sections of the society which forms our prime consideration. The governance, leadership and management of this institution is achieved through democratic idea of participative organization and decentralization. The major thrust of the institution is to achieve excellence in the domains of higher education and job market. The management consistently strives to interact with different functioning bodies of the institution and various stakeholders including local community, industry and alumni in order to cater to the needs of the society.

6.1 Institutional Vision and Leadership

The College explicates a holistic vision regarding the moulding of student community with character, quality, excellence and dedication for the general benefit of society and nation. Due importance is given to inculcate an aspiration for social change and a sense of commitment in our students. The college addresses the time based needs of an evolving globalized society by providing formal and informal education (through extension activities) with a view to empower men and women of all categories. The college is committed to impart holistic education in an impartial manner with a view to achieve academic excellence. Education is offered to all categories of students irrespective of caste, creed and socio-economic background. The admission procedure to all the courses offered by the college is strictly on the basis of merit and in compliance with the reservation policy framed by the Government from time to time.

6.1.1 State the vision and mission of the College

VISION OF THE COLLEGE

"Empowerment through Uncompromising Quality Education" is the vision of our institution. The prime endeavour of the institution is the empowerment of society, especially

the socially and economically backward community of the area through knowledge and to equip it to face the challenges and needs of emerging world.

MISSION OF THE COLLEGE:

The College has a peaceful rural locale which provides an optimal environment to enable achievement of the set forth vision and mission. The major ones include

- To give major thrust on uplifting educationally and socially backward sections of the society.
- To appreciate and respect all faiths, foster self and community development and promote religious harmony leading to national integration.
- To cater to the educational needs of the neighbouring community and to liberate them from the clutches of ignorance.
- To impart quality education by enhancing infrastructural facilities
- To mould the youth from all sections of society into responsible citizens through value education.
- To inculcate wisdom, compassion and humanitarian spirit in students.
- To enable students to achieve excellence in their respective disciplines.
- To include new developments in education into the curriculum so as to promote academic advancement leading to national development
- To create a teaching - learning environment conducive to the pursuit of higher knowledge, relevant skills and experience.
- To promote awareness on ecological and environmental issues
- To incorporate the day-to-day information and communication technology for the better perception of curriculum.

6.1.2 Role of top management, Principal and faculty in design and implementation of plans and policies.

N.S.S College, Nemmara is run by the Nair Service Society, with a clear mission and vision as advocated by its founder, Sri Mannath Padmanabhan. The college was established in the year 1967 with a prime aim to contribute to the development of the socially and economically backward local community. The Manager is the Secretary of the Governing Body of the college. He gives his wholehearted support and inspiration in designing policies and implementing ideas pertaining to pedagogy, infrastructural development and management of the college.

All matters pertaining to education is under the direct supervision of the Education Secretary. Local N.S.S unit also takes a keen interest in the developmental activities of the college. Principal is the academic and administrative head of the college and is involved in execution and implementation of the formulated policies and plans of the management. A constant interaction and co-ordial relation with the staff and different stake holders is maintained by the Management through the Principal.

College Council, a statutory body consisting of the Heads of all Departments and two elected members, supports the Principal in all matters regarding the governance of the college. It acts as an advisory body through which the decisions of the Management and Principal are conveyed to the staff. However, changes in general policies are brought into action only after keeping for an open discussion in general staff meeting. In a nutshell, the management and governance in academic and administrative fields is a collective responsibility of the Management, Principal and Faculty.

Efficient and effective leadership is carried out through de-centralization by constituting various policy making bodies. IQAC and Academic Audit cell chart out policies for quality sustenance and enhancement while Discipline Committee and Anti-ragging Cell work hand in hand to ensure a serene atmosphere which facilitates teaching and learning. UGC and Purchase committee look into the matters of infra structural development of the institution. Career Guidance and Placement Cell and Grievance Redressal Cell work in co-ordination for the benefit of the student community. Research Committee boosts the research interest in faculty members and supports the Departments in submission of project and seminar proposals. The committees meet periodically and review the matters concerning their activities.

6.1.3 Role of leadership in ensuring

a. Policy statements and action plans for fulfilment of the stated mission

General policy decision from the management is conveyed to the staff through the college council meetings. Any matters of dispute are brought to discussion in an open forum where all the members are free to express their views. Each member is made a part of the dynamic team to carry forward and implement

the policies for the general interest of the institution. A fully co-ordinated action of various committees is ensured by the Management and Principal. Management is keen to provide due motivation to teaching and non-teaching staff. Whole hearted support is also given by the Management in promoting the research aptitude of faculty members.

b. Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

The important policy decisions pertaining to the mission and vision of the college are made by the Management in consultation with the Principal who intimates the same to the College Council. College council acts as an advisory body suggesting any alterations if needed and conveying it to the faculty members. Administrative matters are implemented by the Principal in coordination with the Office Superintendent. Departments are given full freedom in charting out their plans of action for the general uplift of knowledge and quality of students. Departmental and extra-curricular clubs also take care in implementing their extension activities with involvement from students. IQAC ensures the co-ordination of various departments in instigating various plans of action.

c. Interaction with stake holders

The stakeholders of the College include students, parents, faculty, industry, management, academicians, community and the local bodies. The interaction at multiple levels between various stakeholders reinforces the infra structural development, curricular updation and placement opportunities. Interactions with stake holders are always given top priority by the Management.

Students gain primary privilege in this concern. Open door policy adopted by the Principal enables constant interaction and communication with the students. Student representative forms part of IQAC. The elected Union of the College is given recognition and freedom of opinion in matters pertaining to the direct interest of students. The Staff advisor to the Union serves as a link between students and the Management/ Principal. The Union activities are charted out and implemented under the direct supervision of the Staff advisor. Different clubs, N.C.C and N.S.S units

ensure a full interaction between teachers and students. Tutorial sessions provide an open forum for discussion for the students and role of a tutor is more as a counsellor than as an academician. Student evaluation of teachers is given prime importance.

Interaction with parents through PTA meetings proves crucial in the maintenance of quality in teaching. Class PTA as well as General Body meetings form an open forum for discussing the general matters of discipline and infra structural requirements. PTA renders full-fledged support in the financial matters as well.

Alumni play a very significant role in promoting infrastructural and administrative development. Departments have their own alumni associations and they function as an effective feedback mechanism. The eminent academicians and those in industrial sector are instrumental in consistently providing directives and suggestions to improve the performance of various sectors of the College. They also provide a helping hand in the placement of students and in creating opportunities for project work.

d. Proper Support for policy and planning through need analysis, research inputs and consultations with the stake holders

Principal plays a key role in integrating the different stake holders for the general benefit of the institution. They also prove instrumental in sorting out the needs of the institution. Principal also provides necessary support in maintaining a research ambience in the institution. Organizing of National seminars, undertaking funded projects by faculty members and participation of P.G students in out-station seminars are fully encouraged.

e. Reinforcing culture of excellence

Management is strongly committed to provide technical support to teaching and administrative staff in improving their efficiency. Participation of staff in training programmes is encouraged. Due care is rendered in the holistic development of students, both academic as well as extra-curricular. Adoption of value based life style by the students and their spiritual enrichment is accepted as the prime objective

of the institution. Equity of students of all caste, creed and gender is ensured in the institution.

f. Champion Organizational Change

Participative style of management involving Principal and staff members is adopted by the institution. Organizational change is implemented by the principal as and when required, keeping in mind the potential of the staff members. Newly recruited members are incorporated into the system through proper in-house training. Major changes in educational policies and Government regulations are incorporated into the system with full co-operation from the staff.

6.1.4 Procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time.

Overall performance of the institution is analysed by the Management through a self evaluative report submitted at the end of each year. The IQAC also plays a role in evaluating the academic performance of various departments. Feedback analysis from the students are collected and consolidated and intimated to the concerned departments for corrective measures. Administrative and quality related policies are presented and discussed in college council before implementation. At the academic level, the procedures adopted comprise semester-wise planning regarding course coverage, evaluation of student's performance, extension activities and support to academically weak students. Effective implementation of the same is reflected in the University Examination results which is analysed for any required modifications.

6.1.5 Details of academic leadership provided to the faculty by top management.

Management fully supports the pursuit of academic excellence by the faculty members. Full freedom is ensured in academic activities including organizing seminars and undertaking funded projects. Participation of faculty members in orientation and refresher programmes is also encouraged. Proposals for FDP (Faculty Development Programmes) for research purpose from the faculty members

are given due assistance from the management including the appointment of substitute staff. Freedom for choice of elective papers and teaching methodology rests with the concerned Departments. In short, whole-hearted financial assistance and moral support is rendered to the faculty members for augmenting the academic standard of the campus.

6.1.6 How does the college groom leadership at various levels grooming of leadership at both student and teacher level is promoted by the management?

At Student Level:

The College Union Elections provide a platform for developing the leadership qualities in students. Parliamentary mode of election is adopted in the college whereby the students first elect their class representatives. Elected representatives vote for the Office bearing posts of the Union. Guidance to the Union activities is provided by the Staff advisor to the Union. The Union takes initiative in organizing extension activities including cultural fest. Students get an opportunity to manage situations and prove their talents. N.C.C and N.S.S units provide yet another dais for evoking the talents and governance capabilities through camps and interactive sessions. Life skill and personality development programmes organized under the auspices of career guidance cell remove their stage fright and equip them to face an audience and to organize and manage group activities.

At Teacher Level:

Faculty members get sufficient motivation to excel in their profession through orientation and refresher courses. Adequate support offered by the Management in carrying out extension activities and outreach programmes generates an expertise in faculty members to undertake responsibilities. Several committees constituted as part of academic and extra-curricular activities are led by the faculty members. Junior teachers receive sufficient guidance and directions from the senior faculty. Teachers are also entrusted with the co-ordination of Union activities, cultural fest, admission processes, N.S.S, N.C.C etc.

6.1.7 How does the college delegate authority and provide operational autonomy to the Departments of the institution and work towards

decentralized system?

The institution provides operational autonomy to the Departments in academic matters. Department is fully entrusted with the charting out of the plans of action for the corresponding year. Head of the Department in consultation with the staff members puts forward a list of activities for the general uplifting of the student community. IQAC and the College council join hands in discussing the sketches of various Departments and suggesting any alterations if necessary. The freedom to organize the academic and co-curricular activities rests with the concerned Departments. Department formulates their own teaching methodologies, tutorial sessions and internal assessment patterns. Administrative wing also enjoys operational autonomy. The specific duties assigned to the non-teaching staff are under the direct supervision of the Superintendent who reports to the Principal. Management is kept informed of the details of college functioning in due time by the Principal.

6.1.8 Does the college promote a culture of participative management? If yes, indicate the levels of participative management

The college promotes a culture of participative management. The Management, University and Government policies are brought to the notice of the College council by the Principal. The council after open discussion advises the Principal regarding the mode of action to be taken. Matters of dispute are discussed in general staff meetings before implementation. Even junior teachers are given freedom of expression of views. The administrative matters are finalized by the Principal after consulting with the superintendent who takes the responsibility of assigning specific duties to the staff. Matters of general interest to students are intimated to the college union before execution. Student affairs committee which includes elected representatives of all classes provides a forum for open discussion to the students to express their grievances. Any matter of student grievance is given due importance, discussed in redressal committee and finally intimated to the management before taking decisions. Parents are also free to express their concerns and suggestions through PTA meetings convened on a regular basis.

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?

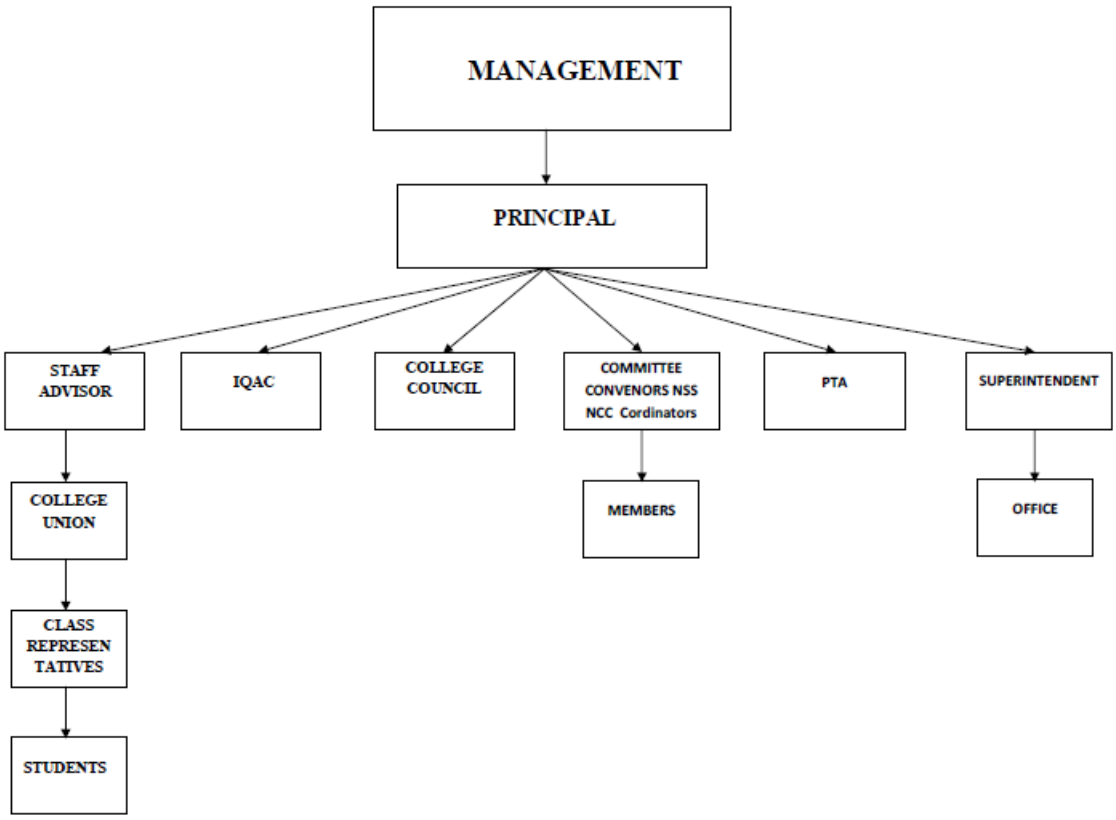
The institutional quality policy is formulated keeping in mind the vision and mission of the institution. IQAC in co-ordination with the various Departments plays a major role in the progression. All student related processes like admission, election etc are conducted ensuring transparency and in compliance with existing Government and University regulations and policies.

6.2.2 Does the institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

IQAC and College council are entrusted with the task of preparing an outline for the institutional development. Augmentation of the infrastructural facilities is given a major thrust. Capacity building of faculty members through Faculty Development Programmes is yet another area which is concentrated upon. From the long term point of view, the college plans to introduce new undergraduate and postgraduate courses as well as a few job oriented courses. Plans are also being laid for starting few research centers in the college.

6.2.3 Describe the internal organizational structure and decision making process.

The institution follows a policy of participative and decentralized management in decision making. The management policies in line with the Government and University rules and regulations are implemented by the Principal in consultation with the College Council taking into account the opinion from the staff members. Convenors of various committees, co-ordinators of N.C.C and N.S.S units and the staff advisor to the college Union are made part of the decision making process. This helps to convey the policy matters to the staff members and students who have the complete freedom to expressing their views. A diagrammatic representation of the internal organizational structure depicting the decision making at various levels is shown below.



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

Teaching and Learning

The institution focuses on student-centered learning. The teaching and learning process effectively functions in such a way that information is passed to students in conventional ways and using ICT enabled platforms. In addition to traditional teaching methods, seminars, debates, group discussions, *etc*. are conducted ensuring the participation of maximum number of students. Teachers resort to the use of internet, e- books, e-journals, and ICT facilities in the teaching / learning process. The impact of Tutorial system, mentoring, peer group teaching, WWS and SSP along with training in co-curricular and extra-curricular activities has been impressive as is evident from the phenomenal progression of the college in all the spheres of education. Students are exposed to emerging areas by arranging seminars/workshops and invited talks.

Research and Development

The research and Development of the institution is co-ordinated by the Research Committee. It offers full-fledged support to the faculty members in preparation of project and seminar proposals. Teachers are encouraged to participate in training programmes, Seminars/ conferences, and Research programmes. Three of our faculty members completed their Ph.D. work during the last five years by availing FIP assistance from UGC. Teachers are motivated to publish their research works in journals of national and international repute. The research committee in association with IQAC helps the Departments in preparing schedule for the conduct of National Seminars. Students are given exposure to emerging areas in the subject through seminars and interactive sessions by eminent academicians.

Community engagement

The coordinated efforts of the various clubs, NCC and NSS units have played pivotal role in fulfilling the social responsibility of the college. NSS and NCC units of our college are facilitating social and community services, AIDS awareness programme, Campaign, Medical camp, Blood Donation Camps, Awareness programs on vital - issues like Drug Addition, HIV/AIDS etc. Various Departments provide community participation projects and conduct community linked surveys. The activities of various clubs contribute much to the extension activities of the college. Besides these, there are programmes like exhibitions and different agricultural products.

Human resource management

The college gives significant importance to the human resource management. It is imperative that only qualified candidates are appointed by Management on merit basis. The faculties are remunerated as per UGC package whereas the administrative staff gets pay scales as fixed by the State Government. Induction training is given to the administrative staff. For the faculty's development, orientation programmes and refresher courses are arranged in the University Human Resource Development Centre across the country. Workshops are organized to boost the efficiency of the teaching, non- teaching staff and their morale. In addition to the classroom teaching-learning process, teachers are assigned as Coordinators of

various co-curricular activities, supervision of the discipline of the college, cultural and sports activities of students, counselling the students and assigned work in different committees based on their talents. The NCC, NSS enhance the leadership qualities of the students. The students get a wide exposure through various clubs that function in the college. The students and faculty get an opportunity to interact with the social environment through the extension activities undertaken by the departments. The college also facilitates interactive sessions with successful alumni for the youngsters to emulate. Also, the students are entrusted with responsibilities to organize various events conducted by the college.

Industry interaction

Industry interaction takes place through the college career guidance and placement cell. Experts from industry/academic institutes are periodically called to deliver special lectures and hold workshops so that students have up-to-date knowledge about careers and market conditions. Companies offer jobs and internships to students. Students are invited to participate management fest every year. Furthermore, the students belonging to the chemistry and commerce disciplines are granted permission to visit industries and industrial estates to fulfil the mandatory requirements for the completion of the course.

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?

Any information regarding payment of fees by students, admission details, result analysis everything will be sent to the management through the Principal by the concerned HOD's and the management share their opinion with the Principal. Any circular or information given by the Management is sent to the Principal and it is circulated or discussed the HOD meeting. The admission process, attendance of students, names of university union councillors, reports of the activities of NSS and NCC etc are intimated to the university from time to time. The utilization of plan fund, ASAP, and other programs and its functioning are intimated to the Collegiate Education Directorate. The utilization of the UGC fund is intimated to the UGC. The activities of the NCC are intimated to the NCC Directorate. In compliance with

the instructions from the Director of Collegiate Education, the feedbacks from students on the teachers are collected regularly.

Personal interactions are made with students at both formal and informal levels by the Heads of departments and Principal. Class PTAs are convened at the end of each semester to appraise and evaluate the students' performance. The parents are allowed to express their views on the performance of the faculty in the forum. Personal interactions with faculty and non teaching staff are made by the Principal to discuss strategic issues. The Principal collects feedback from the teachers, students, parents, administrative staff etc. A Grievance and Redressal cell is established in the college and it functions under the supervision of the faculty who is in charge of it. The students can write the grievance and drop them in the box set up near the principal's room.

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 follows participatory management system to encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes. The management also gives academic and administrative autonomy to the staff for improving the efficiency at the institutional level. The decentralized mode of administration helps the management to assign duties to the teachers and non-teaching staff in order to actively partake in various activities of the college. Maximum flexibility is given to the teaching faculty. The IQAC, College Council and departments play a significant role in improving the effectiveness and efficiency of the institutional process. During decision-making meetings staffs are encouraged to actively involve in presenting new ideas and strategies to be incorporated in the institution. Furthermore, the curricular, co-curricular and extra-curricular activities are coordinated by various committees comprising teaching and non-teaching staff.

6.2.7. Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

- All the Departments strictly follow the decisions taken by the college council like covering portions as per the syllabi within the time, conducting two

internal exams, valuing the answer scripts within the stipulated time, taking attendance strictly and preparing grade sheets accordingly.

- The Departments should organize PTA meetings once in a semester and tutorial meetings at least once in a month.
- College Council recommends the PTA to allot funds to the Departments for the purchase of furniture and other teaching aids. It also encourages teachers to attend Professional Development Courses.
- The College Council make sure that the attendance of students is made compulsory.

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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?

The Calicut University has the law to facilitate academic autonomy to the affiliated institution. However, our college has not yet applied for autonomy status.

6.2.9. How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

Grievance Redressal Cell is functioning in our college. It is a statutory body including one co-ordinator and minimum three members. These cells arrange proper mechanism for receiving complaints from students. The complaints received from the stakeholders are examined and discussed in periodically. All complains are immediately forwarded to the relevant Committee for necessary action and redressal. The Discipline Committee for students takes prompt action as soon as any complaint relating to student behaviour is reported to it.

In addition to this, an Anti-Ragging cell is also functioning in the Institution. Regular class PTAs are convened at the Departmental level, wherein students and parents can freely express their views and complaints about the functioning of the Institution. Remedial actions are taken there itself in consultation with the Heads of the Department. Tutorial system is effectively functioning in the College, wherein students are promoted to share their feelings and apprehensions and suitable actions

and counselling is provided to settle the issues. The Principal frequently gives counselling to the students to address their concerns and apprehensions.

The Anti-Ragging Committee takes its responsibilities very seriously and is vigilant throughout the year, and especially at the beginning of the session. The college has constituted the following Committees and Cells for reporting and redressing various kinds of complaints of its stakeholders: Grievance Redressal Cell, Students affairs Committee, Anti-ragging Cell, Library Committee, Canteen Committee, Discipline Committee, etc.

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?

No.

6. 2. 11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the Institution to such an effort?

The college has a well structured mechanism for analysing student feedback on academic and overall institutional performance. The feedback from students were collected at the end of each academic year to evaluate and improve the performance of teachers. This is done by giving a questionnaire on different aspects like knowledge, communication skill, presentation skill, motivation, student support, sincerity, regularity, time management, classroom management, use of teaching/learning aids, encouragement in co-curricular activities and interaction with parents. The students' suggestions for improvement regarding the academic and nonacademic realms are given due importance during department and college level staff meetings and Council meetings. The teachers resort to reorient them, as the feedback provides a comprehensive analysis of their performance. Infrastructural, academic and disciplinary changes have been effected according to the feedbacks received from the students. The college safeguards the confidentiality of the feedback reports. However, swift action is taken for incorporating the valuable suggestions received through feedbacks. Teachers are sensitive to student's concerns and try to address them at individual and departmental level. The Principal makes

necessary follow up in respect of grave irregularities found. The students can provide the feedback even without revealing their identity. Any suggestions from the students and parents regarding lack of infrastructure facilities, library facilities, services from office etc. are received in the departments and appropriate corrective actions are taken in consultation with the Principal and Administration Department.

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 professional development of the teaching and non-teaching staff of the college is ensured through permitting them to attend orientation/refresher and professional development courses conducted by Human Resource Development Centres and other academic staff colleges. Similarly, faculties are encouraged to upgrade their qualifications and to act as research guides. Faculty members are encouraged to attend national and international seminars, minor and major research project works and present their research papers. Reimbursement of travel expenses and registration charges for attending UGC recognised conferences are also possible. The teachers can avail sabbatical leave for pursuing research degrees under the Faculty Development Programme (FDP) of the UGC. To familiarize the new curriculum and its transaction, the institution deputes faculty members to various workshops organized by the government, university, academic boards and research institute.

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?

The academic staffs are given ample opportunities to attend knowledge enhancing progress in different universities and NGO's. They are granted duty leave for the purpose. A number of faculty members are recommended for organizing and participating in seminars and workshops. Temporary staff too is encouraged to attend academic programs. The faculty members are allowed to attend refresher courses and orientation courses conducted by the Academic Staff Colleges and other recognized educational institutions. The non-teaching staffs also are encouraged to

participate in training programs for IT skills, and other training as required as per Kerala Service Rules. The management treats and keeps the faculty in high ambience in terms of sharing both administrative and academic responsibilities on the basis of annual increment as per KSR (Kerala Service Rules) and the enhancement of DA (Dearness Allowance) implemented by the Government. Yearly pay revision is done for the teaching and non teaching faculty. Ph. D. and M.Phil. holders get additional increments as per UGC regulations. Service rules are employee friendly and the faculty feels comfortable with them.

Special care is taken to ensure the well-being of the staff. Stress management lectures are organized, yoga classes are held and health-related talks are also conducted. The latest technology is optimally put to use by actively engaging through Whatsapp and Face Book groups. It is not only useful to spread important information but its messages build team spirit and act as a great stress-buster. Apart from academic appraisal, the college keenly motivates the co-curricular and extra-curricular talents of the faculty through Staff Club. There are various committees constituted for different purposes and they are led by appropriate and able faculty members nominated by the Principal. Every committee consists of experienced and senior faculty along with the dynamic young teachers. This enhances the performance of each committee and also is a virtual training imparted to the youngsters to enhance the quality in all realms.

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.

The IQAC provides two ways for performance appraisal that is through Head of Departments and Students feedback. A faculty profile is prepared by each faculty member as directed by the IQAC. Self-appraisal in the UGC format is given to teaching faculty and is prepared and submitted to the IQAC. The appraisal report of the faculty is made by the concerned Head of the Department on the basis of academic achievements, punctuality, and student's evaluation. The same is considered while giving promotions/placements to the teaching faculty. A Performa based on the quality of teaching, communicative levels of teachers etc is distributed

among students of each department. The feedback is analyzed and each staff members is given a report of his or her performance as assessed by the students. As part of the performance evaluation, department meetings, Staff Council and the college Governing Council evaluate the syllabus target achieved, conduct of internal evaluation, timely publication of internal examination results etc. by the teacher. Staff committee monitor the performance of the non-teaching staff and the report is evaluated by the Governing Council and Grievance Redressal Cell, if necessary. The performance appraisal of the staff is conducted on the basis of the feedback received from various stakeholders.

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?

The management will review the performance appraisal report and communicate to the employee. Promotion will be based on this confidential report of performance appraisal. Employee with weak performances will be encouraged to perform better in the forthcoming year.

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 Institution is having a staff club where all teaching and non-teaching staff are members. The staff club functions by utilizing the fund of all staff for welfare activities of the teaching staff and non teaching staff.
- Group Insurance Scheme, State Life Insurance, Festival Allowance/Advance, accident claim, Provident Fund, medical reimbursement etc. are available to all staff.
- Maternity Leave, Paternity Leave, Leave for Study Purpose and Duty Leave for attending Seminars and Workshops as resource persons are provided.
- Leave is allowed for faculty to pursue research for a period of 2 years.
- Canteen facilities are provided.
- A charity fund is raised to provide monetary relief to the family members of indisposed and deceased staff.

- A co-operative store is functioning in the college, which supplies stationery items at concessional rates to the staff members. 80 per cent of the staff avail these benefits in the college.

6.3.6. What are the measures taken by the Institution for attracting and retaining eminent faculty?

To begin with, the vacancies of the teaching posts are advertised in the national newspapers by the Corporate Management on the basis of the vacancies under each university. This is followed by interviews which are conducted by a selection committee constituted as per the Calicut University norms. The Management of the college only appoints meritorious teachers strictly adhering to the eligibility criteria of the UGC, Calicut University and Government of Kerala. The transparency in appointments attracts more talents into our college. For personal growth and career development, many opportunities are available to faculty members in the form of: Working towards Ph.D., and Post-Doctoral work, taking up research work from the UGC and other government organization/ industry/ professional bodies, writing books and research papers, attending seminars, conducting workshops, etc.

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 fee structure for the various programs offered by the Institution is fixed by the Calicut University and the Kerala Government. The College collects the same and remits the same with the respective authority. The efficient use of financial resources is coordinated and monitored by the designated Committees. The college council, IQAC, UGC Committee and other designated committees monitor and manage available financial resources. Formal discussions are held at given intervals and the decisions made are communicated to the stakeholders. The various infrastructural requirements for classrooms, computer labs, and equipment for innovative teaching, library and other requirements are forwarded to the NSS Colleges' Central Committee. The purchases are according to the quotations and the budget allocated to them. The college follows a streamlined and centralised

institutional mechanism to monitor effective and efficient use of the available financial resources. The payment procedures are regulated by the head accountant and supervised by the Superintendent of the administrative office. Furthermore, the Principal allots and disburses available funds to various departments according to the received demand request. The college ensures optimum utilisation of the available financial resources. The expenditure incurred during the year is audited by the auditor appointed by the Management and government audit is conducted for the expenditures from the UGC and other governmental agencies.

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.

Internal Audit: The College has an efficient and transparent mechanism for management of the financial resources. Periodical audit for the internal resource mobilized is conducted through qualified auditors appointed by the Management. It is presented before the NSS Colleges' Central Committee for approval before and after Internal Audit.Books of accounts are audited annually and audit report is sent to the NSS Colleges' Central Committee for approval. The auditor's report is discussed in the Central Committee and their suggestions for improvement are implemented.

***External Audit*:** Accounts of the Funds received other than management contributions are prepared in the College office and audited as per the norms of the UGC, Government and University. The external audit of the funds from the Government is done by a Government auditor appointed by the Department of Collegiate Education, Accountant General's Office and Local Fund Audit. The funds received from the UGC are properly utilized and utilization certificate along with the audited accounts prepared by a Chartered Accountant are sent to the UGC. Last Audit was done on 01-01-2015. The errors and omissions usually occurred in the books of accounts and registers are detected when the books and account registers are presented for verification by Head Accountant, then Superintendent and finally by the Principal. In the audit report of the Deputy Director of Collegiate Education, Thrissur, they pointed out certain irregularities as far as the PD account fund utilization, i.e., Library fine, and Special fee, laboratory Fee, P.D Treasury

reconciliation of P.D. Account etc. and all the objections are cleared.

6.4.3 What are the major sources of institutional funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of previous 4 years and the reserve fund/corpus available with institution, if any.

The College receives financial assistance and grants from UGC, CSIR and KSHEC, for major and minor research projects.As an aided institution the salary component for both teaching and non-teaching faculty is fulfilled by the government. The salaries and other allowances of the staff of the college are collected directly from the government through treasury transaction. The fund released from the UGC for the general development of the college is utilized for the common benefit of the college and any excess payment is met by the Management. The PTA fund of the college is also utilized for developing the infrastructure facilities of the college.At the time of admissions, financial support from the parents is requested by the Parent Teacher Association to cater to the expenses usually met by this Association. The Management provide the power water and electricity bills, roofing, and ceiling of Departments etc from their source.The deficit will be managed by the personal contribution from the staff for students' welfare.

6.4.4 Give details on the efforts made by the institution in securing additional funding and utilization of the same (if any).

- Faculty is applying for research projects from outside funding agencies
- Raising fund from alumni to improve infrastructure from respective departments
- We approach external organisations like SBT, SBI, ICAI, KVVES, private industry for sponsorship of seminars and workshops etc. by part
- Students who excel in academics and sports are felicitated and provided with cash awards instituted by College Alumni.
- Cash Award to 25 toppers by Mahindra Finance.
- Cash awards to economically backward students by Lions Club, Alathur.

6.5 IQAS

6.5.1 Internal Quality Assurance Cell (IQAC)

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?

The developmental activities, both infrastructural and academic are formulated by the IQAC of the college and submitted it to the principal for the sanction of college council and NSS Colleges' Central Committee. This assures quality in education and infrastructure of the institution.

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 recommendations of the IQAC are accepted by the management and the academic community in general as they are made only after careful deliberations. The following are the recommendations and implementation status:-

SI.No.	Recommended	Implemented
1	Maintenance of water coolers and water purifiers.	Approved and Implemented
2	Minor repair of roof of the college main building to avoid leakage	Approved and Implemented
3	Appointment of security personnel in the main gate	Approved and Implemented
4	Improvement of canteen facility	Approved and Implemented
5	Improvement of Computer Lab	Approved and Implemented
6	Repair in the ladies toilet	Approved and Implemented
7	Computerisation of officeadministration.	Approved and Implemented
8	Conduct National seminars/ Inter collegiate competitions.	Approved and Implemented
9	Start new UG and PG Courses	Approved and Implemented
10	Roofing of the Jubilee block building	Approved and Implemented
11	Bore well	Approved and Implemented

12	Instrumentation Lab	Approved and Implemented
13	Construction of compound wall	Approved and Implemented
14	Language Lab	Approved and Implemented

c) Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

IQAC has external members in its committee. Their valuable suggestions are acknowledged and due weightage is given during execution of viable strategies.

d) How do the students and Alumni contribute to the effective functioning of IQAC?

Alumni conducted a Career guidance Class for degree and PG students. Alumni of different departments help to improve the teaching- learning facility of the departments by providing technical expertise and most urgent infrastructure needed. The students give their suggestions for the improvement of students' welfare in the college through students representatives to the principal and the same will be forwarded to the IQAC convener. It will be discussed in the IQAC meeting and necessary measures will be taken with the help of college management, college council and PTA.

e) How does the IQAC communicate and engage staff from different constituents of the Institution?

The decisions and minutes of the IQAC meeting will be circulated to all departments. The IQAC meeting will appoint staff members to take charge of various teaching-learning-evaluation process of the institution and also extracurricular activities and development of infrastructure and studentswelfare. The same will be ratified in the college council and implemented.

6.5.2 Does the institution have an integrated frame work for quality assurance of the academic and administrative activities? If yes, give details on its operationalisation.

The IQAC closely scrutinizes teacher evaluation, admission profiles, and quality enhancements of faculties, feed back of the library from students, feedback

of the college alumni etc., and thereby ensuring quality. The college committee of IQAC meets periodically. In academics, we have a centralized internal assessment and examination system. The marks of the internal examinations are communicated to the students and parents through meetings and quality assessments are conducted. Slow learners are identified and remedial coaching is provided to them. Common English Course for Communication, and motivation classes are arranged under different committees of the institution. The performance appraisal system for the faculty is integrated through result analysis of the students at the end of the semester and, wherever necessary, counselling is provided to students.

Attendance and other personal details of the students are also computerized and displayed in notice board of departments in every month for immediate attention of the students.In administration level, the service details and salary bills of all the staff are computerized enabling easy and fast retrieval through SPARK. Disbursement of salary has been made through SBT Nemmara Branch.

6.5.3 Does the institution provide training to its staff for effective implementation of quality assurance procedures? If yes, give details enumerating its impact.

The teaching faculty is encouraged to attend seminars, conferences, and workshops regularly in order to keep abreast of the current development, and latest trends in teaching-learning processes. From time to time, the administrative staff undergoes the required training. Quality management parameters like SPARK, Exam Portal, are implemented in the college administrative office for salary disbursement and student affairs from admission procedures 2012 onwards. Internal evaluation and uploading of the same to the university reduces labour and time for the publishing of results. The training achieved by the faculty gained them access to modern techniques of e-learning, virtual practical, modern business programmes, SPSS (Statistical Package for Social Science), etc. This provided the students with a new platform of learning techniques and enabled their exposure to new developments in learning techniques. Besides this, the faculty members regularly update their knowledge through orientation and refresher courses. The non-teaching staff also attends skill development programmes for updating their knowledge.

These training programmes have augmented the quality strategies of the college with the quality parameters specified by NAAC, especially for the newly recruited teachers.

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?

The institution undertakes academic audit through the hierarchy of management system. The audit takes place in the following manner.

a) Student feedback
b) Staff Appraisal
c) Peer group interaction
d) Parent teachers meeting

The Calicut University is publishing the demand ratio of students applying for various courses in their website. The college uses it as an index of quality of teaching and quality of the course.

Academic audit is done at different levels. Department Meetings are conducted at the chairmanship of HOD. Then meeting with the Principal is conducted for further discussion and clarification of matters related to the college. College Council meeting is regularly conducted to discuss academic and administrative matters. Principal holds interface meeting with Teachers, Students, Alumni and Parents in order to discuss and understand relevant matters related to the institution. PTA Meetings, Feedback collected from students, self-appraisal reports, annual reports of all Committees and Clubs etc. help the Principal to undertake Academic audit in the proper manner.

The Central Committee also analyses the programme wise result. This is taken as a parameter of standard. In addition to this, the IQAC periodically monitors the number of classes engaged, remedial measures taken by the staff, extra classes engaged, ICT tools used and other quality parameters followed in the institution.

6.5.5 How is Internal Quality Assurance mechanism aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

IQAC formulate action plan every year for quality improvements in teaching, learning, evaluation and also in extracurricular activities as per the instructions of university from time to time and helping the institution in its overall development.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies, operation and outcome.

Feedback from the students is collected by each group tutor and analysed. The result will be conveyed to the Head of the department. Problems arise will be solved in the departmental level and some interdepartmental matters will be discussed with the Head of the Departments concerned. The matters which are to be solved in the college level will be communicated to the principal by the Head of Department for necessary remedial action. This streamline, transparent process ensures quality in education and teaching learning process.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms, outcomes to the various internal and external stake holders?

The college communicates its quality assurance policies, mechanisms and outcomes to the various internal stake holders through meetings conducted at various levels:-

- The quality assurance policies, mechanisms and its final outcome are communicated to the stake holders through correspondents and careful deliberations of the staff council.
- Through student teacher interactions in college union and class representative meetings these matters are effectively communicated.
- Regular meetings of class PTA and general PTA form the effective forums to communicate these issues.
- The time-table meetings pertaining to the workload and paper allocation start well

in advance of the next academic session with a view to enable the Departmental Heads to work out and allocate the desired subject papers to the teachers. This also enables the teachers to prepare their allocated subject papers well in advance, thereby giving them ample time.

- Each department holds regular meetings to discuss and review issues pertaining to the syllabus covered by each teacher and other academic issues.
- There is a mechanism through attendance committee to regular monitoring of the student attendance which in turn is displayed in Department notice Board. The parents are duly informed when their wards are short of attendance. To ensure regularity of classes, the Principal makes regular rounds.
- The college website, prospectus, handbook, magazine, print and electronic media like Alumni Blog, facebook, whatsapp groups, notice boards, staff notice, public address system are the other media through which the college communicates with the external stakeholders.
- Administrative and academic reforms are promptly communicated to the students before implementation and their responses are incorporated in execution.

Any other relevant information regarding governance, leadership and management

The college is situated in a hilly and backward area having rural population. Palakkad is the educationally backward district in the state. The rural population is also economically backward. Our College is a premier institution that imparts quality education to aspiring students. Through a variety of extension activities and community services, the College maintains link with the society of which it is an integral part in a productive way. The college caters to the educational aspirations of the SC/ST students who hail from the neighbouring panchayats of Nelliampathy and Ayalur.

Future Plans

The college envisages that in future, more courses could be started in order to cater to the needs of the people in the locality. Also linkage with other institutions could be established. Education using Information Communication Technology will be given more importance in future. Extensive use of Smart Class Room technology

to strengthen the effect of teaching learning process will make the academic transaction more momentous in the context of social transformation. College intends to develop all UG departments to PG Departments and further to Research Departments. More infrastructure facilities should be developed to meet all the requirements.

CRITERION VII

INNOVATIVE PRACTICES

7.1 Environment Consciousness

7.1.1. Does the Institute conduct a Green Audit of its campus and facilities?

The institution is situated in the valley of Nelliyampathy Hills, part of Western Ghats. Therefore, the institution has a predominant role in the spread of the message of environmental protection, as a wide range of stakeholders come under the ambit of its resources and benefits. So we have been taking steps to preserve the environment and its green resources to deliver our commitment to the society. The steps adopted by the College in this direction can be recapitulated as follows:

- The college campus which enjoys its topographical positioning within the circumference of more than 38 acres is noted for its charming greenery and due care is taken to conserve nature and prevent the possibility of developmental activities precariously affecting society and nature.
- Always keeping in mind the possible impact of the process of development, the college management is careful to align the structure and design of the building with the sustainable geography of the region.
- The College sustains and retains a number of trees planted in the whole campus to maintain an eco-friendly campus.
- In line with the beautification of the front courtyard a garden with rare plants is arranged.
- The World Environment day is observed by the Nature club by planting trees and creating awareness among students for minimising plastic wastes.
- The authorities of the institution has taken steps to make this campus plastic free.
- Separate waste bins have been installed at apt places to collect bio degradable and non-biodegradable waste from the campus and students

and staff are urged to make proper use of them, avoiding careless and irresponsible littering. The College has appointed workers exclusively to dispose off the waste accumulated in the dustbins daily. The non-degradable waste is handed over to the Panchayath authorities and degradable waste is made into compost which is utilized for organic farming practised in the College. Assistance of experts from outside is sought as and when necessary for recycling waste into compost.

- Students of Botany Department have documented the traditional knowledge of the neighbouring rural society on lesser used edible plants and various food preparations.
- The Botany department facilitated training to 10 students on organic farming, vermicomposting and Mushroom cultivation for two days through RATTC, Department of Agriculture, Malampuzha.
- The Botany department organised summer school classes for high school and higher secondary students on diversity of flora, conservation of bio-diversity and ethno-botanical documentation.
- As a part of 'Van Mahotsava', Departments organise Tree planting in college campus each year.

7.1.2 What are the steps taken by the College to make the campus eco-friendly?

Certain positive steps have been taken to make the campus eco-friendly, taking into consideration the aspects of geography and culture that envelop the region and the college.

Energy conservation

- In consideration of the global incidence of energy depletion, we have been striving to inculcate among the students a habit of energy saving by switching off electrical/ electronic gadgets whenever not required in the College and at home.
- Ozone Day is celebrated every year to reinforce the importance of environmental protection under the auspices of various departments and N.S.S through lecture sessions by eminent resource persons and poster designing competitions.

- The department of Physics provides consultancy service in designing and installation of Improvised Roof Top Rain Water harvesting systems.

Use of Renewable Energy

- The college is seriously considering the feasibility of switching over to alternative energy sources like solar energy to reduce the electricity consumption through conventional channel.
- As a concrete and meaningful reminder of the necessity for tapping solar energy source to safe guard sustainable mode of development, solar lamp unit has been installed in the college campus
- Further steps would be taken in near future with clear vision and active involvement with the result that the college will one day realize the ideal aim of self reliance in the domain of energy.

Water Harvesting

As of now the College has not implemented water harvesting measures, but it is in the active consideration of the Management for implementation in the immediate future. But, the Department of Chemistry sometimes uses harvested rain water instead of distilled water for the practical sessions in the laboratory.

Check Dam Construction

NA

Efforts for Carbon Neutrality

- The trees standing on the spacious quadrangle of the College, the greenery surrounding the College contribute to effecting carbon neutrality.
- Entry of vehicle into the campus is, as a rule, limited.
- Since the college is situated in a hilly area away from the city, depending on private vehicle is not that much common compared to cosmopolitan cities.
- As far as possible, students and the staff avail public transport facility.
- The College office makes use of used papers for the office copy of the College documents.
- The practice of 'vehicle pooling' (Sharing of vehicles) by staff.

Plantation

The aim of the college is to make the campus green and hygienic. The NSS units and Flora Club together plant saplings of different trees every year and maintain them well. At the time of inception, the college was surrounded with a plain land. Now the college is having comparatively good canopy to provide shelter to the students in their leisure time.

Hazardous Waste Management

- A Plastic free campus is encouraged by the Institution.
- The non-degradable waste in the institution is handed over to the Panchayath authorities.
- The Department of Chemistry is planning to install a fume hood to prevent exposure to toxic gases and emissions. The acid and alkaline wastes are neutralized through proper scientific methods and the mercury waste is collected safely in bottles.

E-waste management

The e-wastes are sold to scrap venders who have the means to handle it safely. Whenever possible, repair of electronic goods is done to avoid e-waste.

7.2 Innovations

7. 2. 1 Give details of innovations introduced during the last five years which have created a positive impact on the functioning of the college.

INNOVATIONS IN INFRASTRUCTURE

- 11 KV generator
- Renovated College canteen
- Language lab
- Smart class rooms
- Office Automation
- A digital seminar hall with audio-visual aids

- Fully automation of the library with "**GRANDHA**" software is under process
- Computers, LCD projectors
- Internet facility & Wi-Fi
- Well equipped labs
- LAN facility and intercom facility

ACADEMIC INNOVATIONS

- New courses offered: M.Sc. Chemistry and B.A. Malayalam.
- ICT facility for each Department.
- Seminars and Invited lectures
- Training to students on organic farming, vermicomposting and Mushroom cultivation
- Peer group study and opportunities to engage U.G. classes by P.G. students after normal working hours.
- Providing UGC-NET coaching classes for P.G. Students
- The P.G. Department of Commerce and Management studies is Providing computer literacy for homemakers of neighbourhood
- The P.G. Department of Commerce and Management studies organized Financial Literacy awareness programmes
- Students are directed to conduct seminars, debates, quiz competitions, group discussions etc. in relevant topics by concerned departments to develop their overall skills.
- Book Bank facility offered by the P.G. Department of Commerce and Management Studies as well as Mathematics Department whereby books contributed by outgoing students are lent to the needy existing students.

7.3 Best Practices

7.3.1 Elaborate on any two best practices as per the annexed format, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

The two best practices of the college which have contributed to the achievement of the Institutional objectives of the college are:

I. All are Equal – Uniform for all students.
II. Stepping stone to Vasudhaiva Kutumbakam --- Staff Club

BEST PRACTICE - I

1. Title of the Practice: All are equal – Uniform for all students.

A dress code brings about unity and eliminates discrimination.

2. Goal

By insisting uniform for both girls and boys, the institution is establishing social justice and eliminates discrimination. This creates a feeling of "oneness", which can be promoted by removing the messages of social and economic status carried by clothing, rather than the segregation that occurs without uniforms. Safety of students is a major concern of the institution. Students are the real wealth of any nation. So building up of students with character is the major responsibility of the institution where those are studying.

3. The Context

Among youngsters there may be competition over appearance emerging from a large emphasis on designer clothes and expensive jewellery. Majority of the students in the institution belongs to BPL category. Hence, it is not affordable for them to spend huge amount in expensive apparels. From the various survey reports, it is understood that overall students' performance is declining in the colleges. Students who attend the college in uniform attend more frequently, and when in college concentrate on their education rather than on their social demeanour. Besides this, policy on uniform increases the students' self esteem, promote conformity to institutional goals, and help to identify intruders. In this context, insisting of uniform to the students will result in the overall development of a student.

4. The Practice

The college adopts a different policy to ensure cent per cent accomplishment

of the goal. Wearing of uniform is a must to the students of this institution. To ensure this, tutor of each class is authorized to monitor. Each year the colour pattern of the uniform for first years will change from those of the second and third years. Each student who gets enrolled in this college can use the same uniform till the end of his final year/semester. This will help to identify the class of the student. The supply of uniform material is done through college co-operative store which helps the students to be a part of social commitment.

5. Evidence of Success

It is difficult to keep records of the success stories of some events undertaken for the overall development of the students. Sometimes, we can understand the benefits of a deed from the happiness of the beneficiaries. But, for the present case, the institution collected valuable feedbacks from the students and parents. They all enjoy the fruit of oneness.

6. Problem Encountered and Resource Required

Every action has an equal and opposite reaction. But, we are doers. We are keeping in mind the pros and cons of each actions we take. If the intension is good, we must go on. So this mission towards social justice is a never ending task of the institution. Though the finance resource is a limiting factor of the mission, we will definitely go with this best practice by assisting the needy students.

BEST PRACTICE 2

1. Title of the Practice: Stepping stone to Vasudhaiva Kutumbakam --- Staff Club

The one and only one club that includes each and every member of the teaching and non teaching staff of our organization in which all are equally designated and create a feeling of one family.

2. Goal

Aim: Infuse an ambience and create an atmosphere of Oneness among the staff and thus enhance the chances for bringing the best by supporting each other at

all phases of individual and institutional development. This creates a conducive and symbiotic atmosphere which will directly influence the students, as a role model, and indirectly help in imparting all the virtues of collective work which they should emulate in creating a better society.

3. The Context

The Primary challenge was to effectively convey the message of social life and inter-dependence of various components of it to the students through creating a model that is worth emulating. The secondary challenge was to take on board the individual differences in class, creed and ideologies of each individual without sacrificing the guiding principle of Oneness and effectively utilizing these individual differences to the common goal of Unity in Diversity.

4. The Practice

Whatever we learn from books is bound to relapse in the long run, but what we should learn is to be a responsible human being worth living for the society. Whatever be the Qualifications and Degrees we acquire, it becomes a burden on the society if she/he fails to respect and understand the virtues of an individual who badly needs his or her help. This can only be achieved through understanding each other and thus find a world that is beyond the 'I'. Such a practice by the staff of this college will effectively convey the message to students of what an Individual should strive to contribute to society and as a corollary gain new heights in society. The following provides a glimpse of what we try to unburden ourselves from fulfilling this responsibility:

- Staff Club and its executive committee conducts regular meetings
- We celebrate all the important festivals (under the auspices of staff club) like Onam, Christmas, and New Year etc.
- During these we engage in all types of game and grand feasts are also organized.
- We respect the valuable contribution of each individual in our college and give them an unforgettable send-off whenever they leave this institution.
- Whenever some-one retires from this institution we gratefully mention all their valuable contributions to the growth of the organization and wish them all the best

with one heart.

- Yearly we conduct Staff tour to strengthen the cohesion.
- Staff club supports the needy of the society by its entire means.

5. Evidence of Success

Though no tables and formulas could capture the evidence and measure the success of such a unique experiment, in the short-run, valuable feedbacks from various institutions / organizations that has at least one old student of our college in their roll makes us believe that our aims are not less fulfilled.

The students, now, under the supervision of Staff do celebrate all major festivals in the campus with oneness. The senior students welcome their juniors by celebrating fresher's day. They successfully conduct and participate in various arts and cultural competitions. When seniors depart after completing their course a grand send-off is organized by the juniors. Many of the old students help those students who are in need of it.

6. Problems Encountered and Resources Required

With the will to go in tune with Head, Heart and Hand we try to be our own true selves and adjust when ever and where ever we need to be so. The material resources for such a practice is very limited what we have is a mind to keep this culture going.

7. Contact Details

Name of the Principal	: Dr.Pramod G
Name of the Institution	: NSS College Nemmara Palakkad Dist.
City	: Nemmara
PinCode	: 678508
Accredited Status	: Reaccreditation Due
WorkPhone	: 04923-244265, 243265
Website	: www.nssnemmara.in www.nssnemmara.ac.in
E-mail	: nsscollegenemmara@gmail.com
Mobile	: +919447357250

SWOC

On the basis of SWOC analysis, the following inferences were derived with respect to strength, weaknesses, opportunities and challenges:

Strength:

- Good number of skilled and vibrant teaching staff, that provides ample support to the stakeholders who belong to highly backward areas.
- Strong support with regard to admission and registration from all concerned.
- Strong Parent Teachers Association which serves as a backbone helping to meet the major financial needs in day to day activities.
- The NSS and the NCC units of the college provide ample support to the stakeholders by undertaking several extension activities which build confidence and streamline the modus operandi of the students in the nation building process.
- The functioning of the college cooperative stores is a real blessing whereby students are given opportunity to buy books, uniforms, stationery items at reduced prices. .
- The B.Sc. Course in Instrumentation is a highlight of this institution which has several takers, it being the only one of its kind in the whole of the University.
- The Digital Language Lab under the department of English and the smart class room are other salient features adding to our strength.
- Teachers are ready to attend and organize seminars, workshops and are ready to undertake research activities.
- The non teaching staff enjoys a good working environment despite the optimum work load, the readiness to undertake the same being one of our strongest areas.
- A flurry of national seminars spread over the last five years won great acclaim to the institution.

- The strong staff club including both teaching and non-teaching staff is the only one of its kind among similar institutions.
- Extreme care taken to promote cultural and traditional values

Weakness:

- Lack of sufficient class rooms with infrastructural facilities is a major weakness identified by all concerned.
- Lack of academic freedom is a major weakness since the curricula are designed by the respective Boards of Studies under the University.
- The unscientific teacher student ratio for complementary and common courses is another area of concern.
- Due to the backwardness of the area, the students lack exposure to career oriented awareness programs, NET/SET, PSC coaching and other training programs.
- Lack of sufficient sponsors in the area due to its extreme backwardness also makes matters still worse since they act as a contributing factor in bringing the financially weak aspirants to the limelight in other similar situations.

Opportunities:

- The departments set a role model by ensuring equal opportunity to all students irrespective of caste, creed, gender etc.
- Students enjoy freedom of expression, planning, implementation and evaluation and get opportunities for creative participation in co-curricular and extra-curricular activities.
- Correct and timely guidance from staff members ensures opportunities to the students to undergo post graduate education.
- Employment opportunities can be provided to students by offering placement services involving major companies.
- The opportunities for developing leadership skills by arranging and

organizing programs, seminars etc under various clubs and departments provide ample scope for organizing programs whereby leadership skills are generated among students.

- The water education center under the department of physics and ED club under the department of Commerce help the students by providing opportunities for coming into contact with the rural public and the rural market and make observations based on their first-hand experience and build confidence in them for finding solutions to the problems in related areas.
- The activities of the NCC and NSS provide opportunities to the institution as well as the students to fulfil their societal responsibilities especially in moments of disasters and natural calamities.
- The Blood Donors forum and the Red Ribbon Club provide opportunities to enthusiastic donors to save precious lives and also to propagate the message of organ donation.
- Advanced library and reading room facilities can be accessed by the local public.
- Sports infrastructure development can provide opportunities to feeder institutions in the neighbourhood.
- Scope for developing PG departments into research centers.
- Scope for providing consultancy services.

Challenges:

- The rapid growth in the number of unrecognized and self financing institutions shows signs of danger because better infrastructural facilities provided there would cover up the decline in quality and attract the unguarded youths.
- Vacancies that arise in departments and office due to retirement and transfer are not filled in time due to several reasons and these pose a threat to the functioning of the same.

EVALUATIVE REPORTS OF DEPARTMENTS

DEPARTMENT OF ENGLISH

1	Name of the Department		English
2	Year of Establishment		1967
3	Name of Programmes/courses offered		B.A English Language and Literature
4	Names of interdisciplinary courses and Departments involved		All Departments-common course, complementary course and open courses.
5	Annual/Semester/Choice based credit system		Choice Based Credit System
6	Participation of the Department in the courses offered by other Departments		Open course-All Departments, complementary course-History Department
7	Courses in collaboration with other Universities, industries, foreign institutions etc		Nil
8	Details of courses/programmes discontinued		Nil
9	No: of teaching posts sanctioned/filled		
	Sanctioned	**Filled**	**Guest**
	6	6	2

10	Faculty Profile				
	Name	Qualification	Designation	Specialisation	Experience
1	V Devidasan	M A, PGDJ	Asso. Prof and HOD	American literature and Indian writing English	30 Yrs
2	Jayashree Tampi R	M.A,M Phil, NET, TTC	Asso. Prof	English Language and Literature	20 Yrs
3	Sreeja G	M.A, B. Ed, MHRM,NET	Asst. Prof	”	8 Yrs

4	Divya. N	M.A, NET	Asst. Prof	”	8 Yrs
5	Roshi K Das	M.A, B. Ed NET	Asst. Prof	”	4 Yrs
6	Jessica Sudhir M	M.A, M.Phil, NET,JRF	Asst. Prof	”	4 Yrs
7	Bhuvana K	M.A	Guest lecturer	”	6 Yrs
8	Dilby Pious	M. A,PGDJ	Guest lecturer	”	2 Yrs

11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme-wise by temporary faculty					
	Year	2011-12	2012-13	2013-14	2014-15	2015-16
	Percentage	42	28	28	28	14

13	Student-teacher ratio	27:1 (Core Course) 86:1 (Common Course)
14	No: of academic support (technical) /administrative staff	NIL
15	Number of teaching faculty with M.Phil/PhD	M.Phil: 2 Ph.D: Nil
16	Number of faculty with projects from National/ International funding agencies and grant received UGC funded project undertaken by Jayashree Tampi R titled “J.M Coetzee’s Age of Iron and Disgrace: A Stairwell of Continuity” (Amt. Rs. 1,50,000/-)	
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.	Nil
18	Research Centre/facility recognized by the University	Nil

19	Publication Details Journals: The Translator (Dept. publication) Conference Proceedings:1 Books :*Macaronic Verse* (2nd Ed.) by V. Devidasan

20	Areas of consultancy and amount generated	Free consultancy in Translation
21	Faculty as members in National/International CommitteesEditorial Boards	Nil

22	Student Projects:	
	% of Students who have done in-house / inter-departmental projects	UG - 100 % in all years
	% of students placed for projects in organisations outside the institution (Research laboratories/ industries etc)	Nil

23	Awards/Recognitions received by faculty/ students		
	Name	**Faculty/Student**	**Award/Recognition**
	Anila R	Student	Third and Second Positions in Javelin Throw in Consecutive Calicut University Athletics Meets
	Anitha S	Student	Third Position in 4x400 metre relay in Kerala state Senior Athletics Championship
	Nirmal Raj V	Student	Selected to State Volley Ball Championship
24	List of eminent academicians and scientists/ visitors to the Department		
	Academician/ Scientist		**Occasion**
1	Dr. Syamala(Asst Prof, Dept of English, Mercy College, Palakkad)		Expert Talk

2	Dr. Kishore Ram(Asst Prof, Dept of English, NSS College,Kottiyam)	Seminar on Film Studies

25 Seminars/ Conferences/ Workshops organized and the source of funding

Event	National/ Regional	Funding Agency	Year
Symposium on "Translations in the Context Sundry Media Reporting"	National	UGC- Rs. 1,25,000/-	2011-12

26 Student Profile Programme/Course wise

Name of Programme	Year	Application received	Selected	Enrolled		Pass (%)
				Male	Female	
B.A English	2011-12	1868	29	4	25	96
	2012-13	1732	28	3	25	91.3
	2013-14	CAP	29	5	24	79.3
	2014-15	CAP	23	3	20	96.5
	2015-16	CAP	32	9	23	89.28

27 Diversity of Students

Name of Programme	***Year***	***% of students***		
		From same state	***Other states***	***Abroad***
B.A English	2011-12	100	-	-
	2012-13	100	-	-
	2013-14	100	-	-
	2014-15	100	-	-
	2015-16	100	-	-

28 Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)

	NET	-	PSC	2	Others	10

29	Student progression Percentage of students progressing to higher education or employment					
		2011-12	2012-13	2013-14	2014-15	2015-16
	UG to PG	35	52	43	44	44
	Employed	8	11	-	12	16
	Entrepreneurship/ Self employment	1				

30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation) 1) Departmental Library 2) Air Conditioned Digital Language Lab(1 Teacher console and 14 student consoles and 5 KVA Inverter 3) LCD Projector 4) Computer with Internet Facility and LAN					
31	Number of students receiving financial assistance from college/ University/ Government or other agencies					
	Year	2011-12	2012-13	2013-14	2014-15	2015-16
	No: of Students	17	20	12	20	23

32	Details on Student Enrichment Programmes		
	Year	***Programme***	***Experts***
	2011-12	A course on Spoken English	Col. Ganapathy from Ayaloor
	2012-13	Skill development programmes in collaboration with Career Guidance Cell	Dr. Kishore Ram
	2013-14	Class on Writing for media	V Harigovind, Sub Editor, Mathrubhoomi,

			Palakkad
	2014-15	Skill development programmes in collaboration with Career Guidance Cell	Dr. Kishore Ram
	2015-16	Principles of Journalism	T P Nijeesh, Principal Correspond, TOI
33	Teaching Methods to improve student learning 1. Use of Digital Language Lab 2. Peer Teaching 3. Group Teaching		
34	Participation in institutional social responsibility and extension activities 1. Some of our students took English grammar classes to the students of nearby schools(VIMHSS, Pallassana, Devaki Memorial LP School, Elevanchery) 2. Visit to Old Age Home run by Pavithratha Chatitable Trust and supply of clothings to inmates 3. Visit to Daivadan Centre (Old Age Home, Mangalam Palam) and supply of rice collected by students		
35	SWOC Analysis of the Department and Future Plans ***Strength*** 1) Fully Fledged Air Conditioned Digital Language Lab Sponsored by UGC 2) Dedicated Teaching Faculty 3) Unstinting Support of PTA 4) Reasonably Good Departmental and General Library ***Weakness*** 1) Lack of Infrastructural Facilities 2) Located in an economically and socially backward area 3) Lack of adequate transport facilities ***Opportunities*** 1) Less number of higher education institutions in the locality 2) Better access to SC/ST Students from from tribal areas of Nelliyampathy		

	and Ayaloor Panchayaths ***Challenges*** 1) The Problem in mobilizing funds due to the extreme backwardness of the region and the stakeholders 2) Intermittent failure of ICT due to thunder and vagaries of nature
36.	**FUTURE PLANS** a) To set up a Digital Library b) To provide Add-on courses onFilm Studies and Translation Studies c) Conduct annual book-exhibitions collaborating with regional, national and international publishers d) To provide coaching classes for UGC -NET aspirants e) Arrange e-lectures and online teaching sessions

DEPARTMENT OF MALAYALAM

1	Name of the Department	MALAYALAM
2	Year of Establishment	1971 - UG on 2014
3	Name of Programmes/courses offered	UG
4	Names of interdisciplinary courses and Departments involved	All Departments Open course and Common Course
5	Annual/Semester/Choice based credit system	Choice based Credit System
6	Participation of the Department in the courses offered by other Departments	All Departments-open course Common Course – English Complementary course-sanskrit
7	Courses in collaboration with other Universities, industries, foreign institutions etc	Nil
8	Details of courses/programmes discontinued	Nil
9	No: of teaching posts sanctioned/filled	

Sanctioned	**Filled**	**Guest**
1	1	2

10 Faculty Profile

Name	**Qualification**	**Designation**	**Specialisation**	**Experience**
Dr. Geethakumary K	M.A, B.Ed, M.Phil, Ph.D, NET	Associate Professor	Folklore	22 years
Smt.Remya M.R	M.A, B.Ed	Guest Lecturer	Novel	1 year
Miss.Preetha P.P	M.A	Guest Lecturer	Drama	1 year

11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty					
	Year	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**
	Percentage	43	43	43	43	60

13	Student-teacher ratio	BA Malayalam 24:1 Common Course 75:1
14	No: of academic support (technical) /administrative staff	Nil
15	Number of teaching faculty with M.Phil/PhD	Ph.D-1
16	Number of faculty with projects from National/ International funding agencies and grant received	National: Nil International: Nil
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.	Nil
18	Research Centre/facility recognized by the University	Nil

19	Publication Details	
	Non-Peer Reviewed Journals	
	Title/Journal/ Conference proceedings	***National/ International***
	Publication of the book "<u>Vayal Porul</u>" by Department with **ISBN No: 978-93-85105-17-3**	
	Dr. Geetha Kumary K-*Articles in Journals*	
	Merchant of Venice a feminist approach – Keli, Aug-Sept 2014	***National***
	Randingazhyile Marutha Sparsham, -Kalapurna, Oct	***National***

	2013	
	Translation – Cultural Art- Kalapurna Feb2013	***National***
	One – Nishedhathintte Mashikkaruthu, Keli	***National***
	Dr.Geethakumary.K	
	Articles in books	
	Kavya Vimarshanakalayile Leelamirutham, Vaghartha Prathipathi –March 2015	978-81-240-1996-2
	Gramavelayile Deshasamskrithi –Folklore Arivadayalangal May 2015	
	Dharshnam-Natakam- Navabhavukathayude Suvarna Shilpam- Vayala- Jeevitham Aug 2013	978-81-927101-0-5
	Dr.N.Ajithkumar	
	Articles in books	
	Janakeeya Samskaram- CV Padanangal-November 2013	

20	Areas of consultancy and amount generated	Nil
21	Faculty as members in National/International CommitteesEditorial Boards	
	Name of Faculty	***Committee/Board***
	Dr.N.Ajithkumar	PG Board of Studies Member of Kerala University 2013-16
		Advisory Board Member of Academic Staff College-Pondicherry University 2011.13
		Member of Faculty of Arts – University of Kerala 2013-16
		Editor of Thaimozhi- Approved journal of Kerala University 2013-14
		Joint Convener of Folk Arts "Uthsavam" -Tourism Department, Govt.of Kerala.
		Folklore Convener -Onam Celebration Committee, Tourism Department – Govt. of Kerala.

22	Student Projects:		NA
23	Awards/Recognitions received by faculty/ students		
	Name	**Faculty/Students**	**Award/Recognition**
	Dr. N Ajith Kumar	Faculty	P K Kalaan Puraskaram of Folklore Academy
	Athira A	BA-IIIrd Year	Inter-Zone competition, Sports-Taekwondo,3rd Prize, 2014-15
	Vishnu K Nair	BA-IIIrd Year	Panjavadyam, 1st Prize, Inter-zone 2014-15
24	List of eminent academicians and scientists/ visitors to the Department		
	Academician/ Scientist		**Occasion**
	2015-16		
	Dr.A.K Nambiar, Former Director School of Drama and Fine Arts, Calicut University.		National Seminar
	Dr. C.R Rajagopalan, Professor, Dept.of Malayalam, Kerala University		National Seminar
	Dr. T.Githesh, Asst.Professor, Dept of Malayalam, Madura Kamaraj University.		National Seminar
	Dr. N.Ajithkumar-Folklorist of Kerala		National Seminar
	Dr. B. Ravikumar – Associate Professor, Dept of Malayalam- N S S Hindu College – Changanacherry. Kottayam		National Seminar
	Dr. Soman Kadaloor- Asst.Professor, School of Folklore Studies- Calicut University.		National Seminar
	Dr. Hemamalini .M – Asst.Professor – Dept.of Malayalam, St.Mary's College – Thrissur		National Seminar
	Dr. V.Shobha- Editor Green Books - Thrissur		Regional Seminar
	2014-15		
	Shri. Asha Menon- Eminent Malayalam Writer and Critic -		Regional

	Malayalam Literature	Seminar
	2013-14	
	Shri. Vijayakumar Kunissery, Kendra Sahitya AcademyMember and Mathrubhumi Public Relations Manager	Regional Seminar
	2011-12	
	Dr. P.Saraswathy, Associate Professor, Sree Vyasa N S S College, Thrissur	Regional Seminar
	Prof.M.Haridas, Retired Associate Professor, Dept of Malayalam, St. Aloseious College, Irinjalakuda-Thrissur	Regional Seminar
	Shri. K.H Hussian – KFRI Peechi - Thrissur	Regional Seminar

25 Seminars/ Conferences/ Workshops organized and the source of funding

Event	**National/ Regional**	**Funding Agency**	**Year**
National Seminar on Agricultural Consciousness-Tangible and Intangible Heritage of Folklore	National	UGC	2015

26 Student Profile Programme/Course wise

Name of Programme	Year	Application received	Selected	Enrolled		Pass (%)
				Male	Female	
B.A Malayalam	2011-12	NA				
	2012-13	NA				
	2013-14	NA				
	2014-15	249	24	6	18	-
	2015-16	CAP	33	9	24	-

27 Diversity of Students

Name of Programme	***Year***	***% of students***		
		From same	***Other states***	***Abroad***

			state		
	B.A	2011-12	NA		
		2012-13	NA		
		2013-14	NA		
		2014-15	100%	-	-
		2015-16	100%	-	-

28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC) NA
29	Student progression Percentage of students progressing to higher education or employment : NA

30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation) Department is equipped with one computer and printer.					
31	Number of students receiving financial assistance from college/ University/ Government or other agencies					
	Year	2011-12	2012-13	2013-14	2014-15	2015-16
	No: of Students	NA	NA	NA	21	32
32	Details on Student Enrichment Programmes <u>NADHAM Malayalam Club</u> - For developing the literal and linguistic skill of students, Department of Malayalam has formed NADHAM Malayalam Club. Club aims the unity of students to promote human value oriented education through literal and cultural activities. Various activities like seminars, workshop, cultural programmes and literally competitions are conducted through the club. Club also publishes a literary magazine each year to promote the writing skill and imagination power of the students.					
	Year	***Programme***			***Experts***	
	2015-16	Vayanadinaghosham			Dr. V.K Sudhakharan	
		UGC two day National Seminar			Dr.A.K Nambiar	

			and 6 delegates from various Universities and Colleges.
		Publication of the book "<u>Vayal Porul</u>" by Department with **ISBN No: 978-93-85105-17-3**	Dr.T.Githesh released the book.
		ONV – Malayalathinte Kavyathejus	Dr.V.K Sudhakharan
		Release of Departmental Magazine- **<u>Prayanam</u>**	Dr.V.Shobha
		Padakavatharam	Sreelakshmi.
	2014-15	B.A Malayalam Course Inauguration.	Shri.Asha Menon
		Celebration of Kerala Piravi and release of Dept.Magazine-**<u>Thanima</u>**.	Dr.M.Hemamalini
	2013-14	Karshakadinacharanam	Dr. N.Ajithkumar
		Kerala Dinacharanam and Release of Dept.Magazine – **<u>Unarvu</u>**	Shri.Vijayakumar Kunisheri
		Essay competition for students.	
	2012-13	Ramayanam Quiz Competition.	Dr.Geetha P.R
		Chingamasa Varavelpu	Dr.Geetha P.R
		Keralapiravi Dinaghosam	Dr.Geetha P.R
		Release of Departmental Magazine- **<u>Niravu</u>**	Dr.Geetha P.R
	2011-12	Chingamasa Piravi	Dr.P.Saraswathy
		Celebration of Kerala Piravi and Release of Departmental Magazine- **<u>Naipuniam</u>**	Prof.M.Haridas
		Regional Seminar	Shri.K.H Hussian
33	Teaching Methods to improve student learning Conducting special lecturers and workshop frequently by well known scholars. Learning outcome monitored by periodical sessional test, assignments and seminars and quiz programmes. Tutorial system, peer		

	group learning and remedial teaching are some pedagogies used to improve learning. Documentaries and films related to syllabus are shown to students as part of teaching.
34	Participation in institutional social responsibility and extension activities Many of the students are active members of NSS and NCC and participated in social services. Students actively participated in various programmes at A-Zone and Inter-Zone level of competitions conducted by Calicut University. They are active participants of various college level programmes.
35	SWOC Analysis of the Department and Future Plans **Strength:-** • First UG Department from Oriental Language. • Good academic atmosphere and vibrant students. • Supportive parents • Department conducted two day UGC National Seminar with in two year of its establishment. • Release of hand written departmental magazine regularly. **Weakness:-** • Vacancies to be filled by permanent faculty. • Lack of Post Graduate course for students. • Lack of better infrastructure. **Opportunities:-** • Potential to become a center for excellence in Malayalam studies. • More employment opportunities availing for the student (PSC exam) • Inculcate research attitude among students. **Challenges:-** • Motivate the students to score high marks in UG exam and pave a path for higher studies with in available resource. • Conduct International Seminar, Workshop and avail Major Research Project.

	• Make the Department as a center for promoting traditional values and linguistic skill. **Future Plans :-** • To upgrade the Department to PG level • To bring research facilities to the Department • To conduct International Seminars and National workshops on Folklore,Visual Medias and Linguistics. • To conduct a literal fest

DEPARTMENT OF SANSKRIT

1	Name of the Department		Sanskrit
2	Year of Establishment		1971-1972
3	Name of Programmes/courses offered		NIL
4	Names of interdisciplinary courses and Departments involved		UG-Common course for all departments, Complementary course for B.A Malayalam
5	Annual/ Semester/ Choice based credit system		NA
6	Participation of the Department in the courses offered by other Departments		NA
7	Courses in collaboration with other Universities, industries, foreign institutions etc		Nil
8	Details of courses/programmes discontinued		Nil
9	No: of teaching posts sanctioned/filled		
	Sanctioned	**Filled**	**Guest**
	1	1	1

10	Faculty Profile				
	Name	Qualification	Designation	Specialisation	Experience
	Suja P	MA/B.Ed/NET/ SET	Asst. Professor	Sanskrit Sahithya	6Yrs
	Shebeena Y	MA/B.Ed	Guest Lecturer	Sanskrit Sahithya	1Yr

11	List of senior visiting faculty	Nil
12	Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty	

	Year	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**
	Percentage	0	0	36%	36%	36%
13	Student-teacher ratio				20:1	
14	No: of academic support (technical) /administrative staff				Nil	
15	Number of teaching faculty with M.Phil/PhD				Nil	
16	Number of faculty with projects from National/ International funding agencies and grant received				Nil	
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.				Nil	
18	Research Centre/facility recognized by the University				Nil	

19	Publication Details	
	Title/Journal/ Conference proceedings	***National/ International***
	Sanskrithanadakangalude Uthbhavavum valarchayum Kalidasa krithikalil, Keli Bimonthly	***National***
	The Status of women in the epics,College Teacher	***National***
	*Prachina bharathile Krishi Sambradayangale kurichu oru avalokanam,*UGC Proceedings - Vayalporul	***National*** 978-93-85105-17-3

20	Areas of consultancy and amount generated	Nil
21	Faculty as members in National/International CommitteesEditorial Boards	
	Name of Faculty	***Committee/Board***
	Suja P	Question paper setting, Member in Syllabus restructure under CALICUT University
22	Student Projects:	NA
23	Awards/Recognitions received by faculty/ students	

	Name	Faculty/ Student	Award/Recognition
	Suja P	Faculty	Award (First prize in District level Ramayana Parayanam in Malayala Manorama) 1st Rank in MA Sanskrit
	Ananda Padmakumar P	Student	A zone winner in Sanskrit Essay writing story writing, versification and Elocution

24	List of eminent academicians and scientists/ visitors to the Department	
	Academician	**Occasion**
	Dr. E Jayan, Principal, VTB College, Sreekrishnapuram	A motivation class for students, Sanskrit Club inauguration
	Paikulam Narayana Chakyar, Performance artist	Proficiency in the tradition of Sanskrit theater and preforming art. Lecture cum demonstration of Chakyar koothu
	S Sushama,Retd. Asso. Professor, Dept. Of Sanskrit, NSS College, Nemmara	Importance of culture. A lecture delivered.
25	Seminars/ Conferences/ Workshops organized and the source of funding	Nil
26	Student Profile Programme/Course wise	NA
27	Diversity of Students:	NA
28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)	NA
29	Student progression Percentage of students progressing to higher education or employment	NA

30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation) General Library, Centralised Computer lab	
31	Number of students receiving financial assistance from college/ University/ Government or other agencies	NA

32	Details on Student Enrichment Programmes ➢ On 16-11-2011 a club was introduced and inauguarated in the in the name of "Samskriti" by Retd. Associate Professor. Sushama, Dept. Of Sanskrit, NSS College, Nemmara. It has published a Magazine (Samskriti) for Sanskrit students, after that a culture stage programme also was conducted. ➢ The Academic year 2012 - 2013 the Sanskrit club was inaugurated by Dr. E Jayan, Principal, VTB College, Mannampatta, Sreekrishnapuram. In connection with that a manuscript was published in the name of "Digdharsini". ➢ The activities of the Club in the academic year 2013 - 2014 was inaugurated by Mr. Radhakrishnan, Samskritha prathishtan karyk, Alathur. In connection with this aSanskrit Drama and other stage programs were organized by the Sanskrit students, besides publishing a manuscript magazine. ➢ In the academic year 2014 - 2015, the Sanskrit club was inaugurated on 04-03-2015 by Paikulam Narayana Chakyar and a manuscript magazine "Dyodhini" was published at the function. In continuation of this program a classical performing art "Chakyarkoothu" was also organized.
33	Teaching Methods to improve student learning • Lecture classes, group discussion and debates • Assignments and projects to supplement classroom lectures. • Sloga chanting of kavya literature. • Remedial teaching • Conduct of seminar and invited talks by eminent persons. • Peer teaching.
34	Participation in institutional social responsibility and extension activities NA
35	SWOC Analysis of the Department and Future Plans **STRENGTH** 1. Well qualified teaching faculty.

2. Healthy student-teacher relationship.

3. Socially responsible students and faculties.

4. Commendable discipline among students.

5. Activities of Sanskrit Club

WEAKNESS

1. Low literacy level of the locality.

3. Admission to non-sanskrit students in common course.

OPPORTUNITIES

1. High demand for Sanskrit graduates and post graduates.

3. High scope for academic progression.

CHALLENGES

1. Delay inUniversity exams and publishing of results.

2. Lack of depth in knowledge because of time crunch.

FUTURE PLANS

1. To start B.A Sanskrit programme

DEPARTMENT OF HINDI

1	Name of the Department		HINDI
2	Year of Establishment		1971-1972
3	Name of Programmes/courses offered		NA
4	Names of interdisciplinary courses and Departments involved		All Departments-common course
5	Annual/ Semester/ Choice based credit system		NA
6	Participation of the Department in the courses offered by other Departments		NA
7	Courses in collaboration with other Universities, industries, foreign institutions etc		Nil
8	Details of courses/programmes discontinued		Nil
9	No: of teaching posts sanctioned/filled		
	Sanctioned	**Filled**	**Guest/**
	1	1	1

10	Faculty Profile				
	Name	Qualification	Designation	Specialisation	Experience
1.	SAJIEV.P.P	MA, M.Phil.	Associate Professor	Stories of Ajneya	18Yrs
2.	PRAMEELA.K	MA, M.Phil.	Guest Lecturer		2 Yrs

11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty					
	Year	2011-12	2012-13	2013-14	2014-15	2015-16

	Percentage	43%	43%	43%	43%	43%

13	Student-teacher ratio	NA
14	No: of academic support (technical) /administrative staff	Nil
15	Number of teaching faculty with M.Phil/PhD	M.Phil-2
16	Number of faculty with projects from National/ International funding agencies and grant received	Nil
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.	Nil
18	Research Centre/facility recognized by the University	Nil
19	Publication Details	Nil
20	Areas of consultancy and amount generated	Nil
21	Faculty as members in National/International Committees Editorial Boards	Nil
22	Student Projects:	NA
23	Awards/Recognitions received by faculty/ students	NA
24	List of eminent academicians and scientists/ visitors to the Department	

	Academician	**Occasion**
	Dr. Sudhakaran, S.N College, Kollam	National Seminar
	Dr. Sreelatha, N.S.S College, Changanacherry	National Seminar

25	Seminars/ Conferences/ Workshops organized and the source of funding			Nil
	Event	**National/ Regional**	**Funding Agency**	**Year**
	Satothari Hindi Upanyas and Nari Lakahn	National	UGC	2012-13
26	Student Profile Programme/Course wise			NA
27	Diversity of Students			NA
28	Number of students who cleared national and state level			

	competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)	NA
29	Student progression Percentage of students progressing to higher education or employment	NA
30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation) Common computer lab, Central Library	
31	Number of students receiving financial assistance from college/ University/ Government or other agencies	NA
32	Details on Student Enrichment Programmes Hindi Club was inaugurated by Dr. K.P Saraswathy Amma, Former Principal, N.S.S College, Nemmara. A variety of programmes were conducted to boost the talents of the students.	
33	Teaching Methods to improve student learning The prescribed syllabus is covered by supplementing class lectures with lively group dicussions. Students hold debates on topics of academic interest. The staff provides remedial and special classes for weak students.	
34	Participation in institutional social responsibility and extension activities NA	
35	SWOC Analysis of the Department and Future Plans STRENGTH 1. Well qualified teachers 2. Healthy student-teacher relationship. 3. Students aware of rights and responsibility. 4. Self discipline among students. WEAKNESS 1. Low economic and social background of students. 2. Low literacy in the locality. 3. Department without core course. OPPORTUNITIES	

	1. High demand for Hindi graduates and post graduates. 2. Opprtunities in translation field CHALLENGES 1. The important challenge for the Department is Backwardness of the Region and need to do extra effort for the results. 2. Society ignores “importance of Rashtra Bhasha” FUTURE PLANS Starting of B.A Hindi Programme

DEPARTMENT OF ECONOMICS

1	Name of the Department	ECONOMICS
2	Year of Establishment	1967
3	Name of Programmes/courses offered	B.A ECONOMICS
4	Names of interdisciplinary courses and Departments involved	All departments – open course Complementary course- History
5	Annual/Semester/Choice based credit system	Choice based Credit System
6	Participation of the Department in the courses offered by other Departments	**Complementary course:** History, Political science **Open course:** All Departments
7	Courses in collaboration with other Universities, industries, foreign institutions etc	Nil
8	Details of courses/programmes discontinued	Nil
9	No: of teaching posts sanctioned/filled	

	Sanctioned	**Filled**	**Guest**
	3	3	0

10	Faculty Profile				
	Name	**Qualification**	**Designation**	**Specialisation**	**Experience**
	P Suresh Babu	M A, M Phil, NET	Asst.Prof	Agriculture Economics	13
	Salini V	MA, BEd, NET	Asst.Prof	Urban Economics	11
	Sanoop S	MA, NET	Asst.Prof	Industrial Economics	6

11	List of senior visiting faculty	Nil

12	Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty					
	Year	2011-12	2012-13	2013-14	2014-15	2015-16
	Percentage	30.43	-	-	-	-

13	Student-teacher ratio	UG-40: 1
14	No: of academic support (technical) /administrative staff	Nil
15	Number of teaching faculty with M.Phil/PhD	M.Phil: 1
16	Number of faculty with projects from National/ International funding agencies and grant received	NIL
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.	Nil
18	Research Centre/facility recognized by the University	Nil

19	Publication Details:	
Peer Reviewed Journals		
	Title/Journal/ Conference proceedings	***National/ International***
	P SURESH BABU	
1	*Power sector and the Indian Economy: Challenges and Prospects*", Research Essence (ISSN 2348-2389), Vol 2(2), Page: 49, December 2014	***National***
2	"*A comparative economic analysis of traditional and modern practices of paddy cultivation in Palakkad district, Kerala*", ALFOMINE-International refereed journal of Humanities and social science (ISSN 2250-3870), Vol.3, No.2, Page: 102, September 2015.	***National***
3	"*An insight to the price discrimination policies- a case study of selected restaurants in Somajiguda, Hyderabad district, Telengana*", NEW THOUGHTS (ISBN: 978-81-	***National***

	926565-0-2), page: 304, edition 2015.	
	SANOOP. S	
1	*" Study of traditional agricultural practices of past and present practices in terms of paddy- A paradigm :Case study of Kuttanad region in Alapuzha district of Kerala*" International Journal of Retailing andRural Business Perspective (ISSN 2279-0934 ,Print), (ISSN 2279-0942,online),Impact factor(2012): 3.735, IF (2013): 5.020,IF (2014): 5.996,Vol 4, October-December 2015.	***International***
2	"*Financial Inclusion-A Mechanism for empowerment and poverty reduction*", Financial Engineering in India-Growth prospects and challenges-FINNOVA-14 (ISBN-978-81-89085-91-9), PP 228-232, December 2014	***National***
3	"*Role of Autonomous investment in building a healthy future-Indian perspective*", Global Research Review (ISSN 250-2521), Vol.4, No.3, Pages: 185-193, September 2014	***National***
4	"*Remittances in India: Developmental impacts and future prospects*", Research Scholar (ISSN 2249-6696), Vol.4, No.4, Pages: 151-154, December 2014	***National***
5	"*Economic Growth and concerns: Experience of India in the post liberalisation period*", Research Lines (ISSN 0975-8941), Vol.7, No.2, Pages: 92-96, December 2014.	***National***
6	"*Role and performance of MGNREGA in economic development with special reference to Nemmara region, Palakkad district, Kerala*", POSIEDON (ISSN 2319-6238), Vol.3, No.2, Pages: 61-71, December 2014.	***National***
7	"*Power sector and the Indian economy: Challenges and Prospects*", Research Essence (ISSN 2348-2389), Vol 2(2), Page: 49, December 2014.	***National***
8	*An Insight to traditional and modern practises of paddy cultivation in Nemmara region, Palakkad district,*	***National***

	Kerala", Guru Jyothi research and reflections (ISSN 0976-0865), Vol.9, Issue 1, Pages: 62-68, January 2015.	
9	"*Economic development and poverty alleviation through MGNREGA: A performance study of Alathur region in Palakkad*", Social Science in Perspective (ISSN 0975-5497), Vol.7, No.1, Page: 54, January-March 2015.	***National***
10	"*A comparative economic analysis of traditional and modern practices of paddy cultivation in Palakkad District, Kerala*", ALFOMINE-International refereed journal of Humanities and social science (ISSN 2250-3870), Vol.3, No.2, Page: 102, September 2015.	***National***
11	*"An insight to the price discrimination policies- a case study of selected restaurants in Somajiguda, Hyderabad district, Telengana*", NEW THOUGHTS (ISBN: 978-81-926565-0-2), page: 304, edition 2015.	***National***
12	"*A comparative study of traditional and modern practises of paddy cultivation in Palakkad district, Kerala*", Social science in perspective (ISSN 0975-5497), Vol.7, No.3, July-September 2015.	***National***
13	*"Financial inclusion through regional rural banks*", B-Digest (ISSN 0975-2617), Vol.7, No.1, August 2015, page: 1-8.	***National***
14	*"Investment in Women education- A tool for achieving equality*" JNANABHOOMIKA (ISSN 2394-4765), Vol.2, Issue.1, January-June 2015.	***National***
15	"*Performance evaluation of institutions on financial inclusion*", South Asian Journal of Socio-political Studies (SAJOSPS) (ISSN 0972-4613), Vol.16, No.1, (July-December 2015) Pp 81-83	***National***
Non-Peer Reviewed Journals		
1	*Women education in India: Challenges and prospects*", Women –Awakening to the epitome of power (ISBN 978-	ISBN 978-81-8387739-8

	81-8387739-8), page: 370, edition 2016, serial publications pvt.ltd, New Delhi	
2	"*Sustainable development and population growth: Issues and challenges-Indian perspective*", Social dimension of green economy and sustainable development (ISBN 978-81-261-6380-9), Vol.1, Page: 105, January 2015	ISBN 978-81-261-6380-9

20	Areas of consultancy and amount generated					Nil
21	Faculty as members in National/International Committees Editorial Boards					Nil
22	Student Projects					
	% of Students who have done in-house / inter-departmental programme					
	Year	2011-12	2012-13	2013-14	2014-15	2015-16
	% of students	100	100	100	100	100
	% of students placed for projects in organisations outside the institution (Research laboratories/ industries etc)					Nil

23	Awards/Recognitions received by faculty/ students	Nil
24	List of eminent academicians and scientists/ visitors to the Department:	Nil
25	Seminars/ Conferences/ Workshops organized and the source of funding:	Nil

26	Student Profile Programme/Course wise						
	Name of Programme	Year	Application received	Selected	Enrolled		Pass (%)
					Male	Female	
	B A Economics	2011-12	1868	47	9	38	95
		2012-13	1732	44	7	37	95
		2013-14	CAP	44	15	29	97
		2014-15	CAP	40	11	29	70

		2015-16	CAP	51	14	37	70

26	Diversity of students				
	Name of Programme	Year	% of students		
			From same state	Other states	Abroad
	B.A Economics	2011-12	100	-	-
		2012-13	100	-	-
		2013-14	100	-	-
		2014-15	100	-	-
		2015-16	100	-	-

28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)			
	NET		SLET	
	Gate		Civil services	
	Defense services	5	PSC	4
	UPSC	11	Others	50

29	Student progression Percentage of students progressing to higher education or employment					
		2011-12	2012-13	2013-14	2014-15	2015-16
	UG to PG	40	42	48	56	52
	Employed	32	38	42	31	32

30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation) Common computer lab, library					
31	Number of students receiving financial assistance from college/ University/ Government or other agencies					
	Year	2011-12	2012-13	2013-14	2014-15	2015-16
	No: of Students	104	105	113	111	138

<table>
<tr><td>32</td><td colspan="3">Details on Student Enrichment Programmes: Nil</td></tr>
<tr><td></td><td>2012-13</td><td>Invited lecture on “Impact of e-commerce”</td><td>Dr P Krishnakumar,
Dr. B.A Prakash</td></tr>
<tr><td></td><td>2013-14</td><td>Invited lecture on “VAT”</td><td>Dr Vijayakumar</td></tr>
<tr><td></td><td>2014-15</td><td>Invited Talk on “Career Preparedness of Economics Graduates”</td><td>P. Suresh Babu
Dr B.A Prakash</td></tr>
<tr><td>33</td><td colspan="3">Teaching Methods to improve student learning
Recalling prior material. The students may be given one minute to list as many points as they can recall about the previous lecture or about a specific topic covered in an assigned reading.
Responding to questions. Any questions faculty would normally ask in class can be directed to groups. In most classes—especially large ones—very few students are willing to volunteer answers to questions, even if they know the answers. When the questions are directed to small groups, most students will attempt to come up with answers and the instructor will get as many responses as he or she wants.
Problem solving. A large problem can always be broken into a series of steps, such as paraphrasing the problem statement, sketching a schematic or flow chart, predicting a solution, writing the relevant equations, solving them or outlining a solution procedure, and checking and/or interpreting the solution. When working through a problem in class, the instructor may complete some steps and ask the student groups to attempt others. The groups should generally be given enough time to think about what they have been asked to do and begin formulating a response but not necessarily enough to reach closure.
Explaining written material. TAPPS (thinking-aloud pair problem solving) is a powerful activity for helping students understand a body of material. The students are put in pairs and given a text passage or a worked-out derivation or problem solution. An arbitrarily</td></tr>
</table>

	designated member of each pair explains each statement or calculation, and the explainer's partner asks for clarification if anything is unclear, giving hints if necessary. After about five minutes, the faculty calls on one or two pairs to summarize their explanations up to a point in the text, and the students reverse roles within their pairs and continue from that point. • *Analytical, critical, and creative thinking*. The students may be asked to list assumptions, problems, errors, or ethical dilemmas in a case study or design; explain a technical concept in contemporary economic scenario; find the logical flaw in an argument; predict the outcome of an experiment or explain an observed outcome in terms of course concepts; or choose from among alternative answers or designs or models or strategies and justify the choice made. The more practice and feedback the students get in the types of thinking the faculty wants them to master, the more likely they are to develop the requisite skills. • *Generating questions and summarizing.* The students may be given a minute to come up with two good questions about the preceding lecture segment or to summarize the major points in the lecture just concluded.
34	Participation in institutional social responsibility and extension activities The students and teachers of the department is encouraged to participate in extension activities by giving them the necessary motivation to attend orientation programmes classes and talks held within the college and in other institutions. The teachers of the department regularly engage classes in a well planned manner. P Suresh babu,Assistant professor of this department gave a talk on "Social Development works for students ", at SN College Alathur
35	SWOC Analysis of the Department and Future Plans **STRENGTH** ➢ Dedicated and efficient Faculty Members

- The Department presents very good academic results with more than 95% pass in University Exams

WEAKNESS

- Lack of infrastructural facilities
- Most of the students are from the rural areas and they cannot make effective use of the career oriented awareness programmes, since they have to travel a lot to reach home after class hours.

OPPORTUNITIES

- There are wide range of opportunities for economic graduates for higher studies like M.A, M.B.A, H.M.A e.t.c.
- The Employment opportunities are also vast in the Government Sectors, Quasi-government and private sectors.

CHALLENGES

- Due to the lack of post graduate programme in the Department we are losing career oriented students as they are interested in UG-PG continuous programmes.

FUTURE PLANS

- Introducing certificate courses
- Enhancing the Department to Post Graduate and Research facilities
- More emphasis on undertaking major /minor projects and conducting national seminars

DEPARTMENT OF HISTORY

1	Name of the Department		HISTORY
2	Year of Establishment		1967
3	Name of Programmes/courses offered		UG-History
4	Names of interdisciplinary courses and Departments involved		Complementary course- Economics, English Open course- All Departments
5	Annual/Semester/Choice based credit system		Choice based Credit System
6	Participation of the Department in the courses offered by other Departments		All Departments-Open course Common course- English, Malayalam, Hindi, Sanskrit
7	Courses in collaboration with other Universities, industries, foreign institutions etc		Nil
8	Details of courses/programmes discontinued		Nil
9	No: of teaching posts sanctioned/filled		
	Sanctioned	**Filled**	**Guest/**
	3	3	1

10	Faculty Profile			
	Name	**Qualification**	**Designation**	**Experience**
1.	K.Saraswathy	MA	Associate Professor	27 Years
2.	Rajalakshmy.M	MA, M. Ed	Associate Professor	26 Years
3.	Anitha.P (On FIP)	MA, M Phil, NET	Assistant Professor	12 Years
4.	Mujeeb Rahman	MA, NET	Guest	-

11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty					
	Year	2011-12	2012-13	2013-14	2014-15	2015-16
	Percentage	-	-	-	-	31%

13	Student-teacher ratio	UG-40:1
14	No: of academic support (technical) /administrative staff	Nil
15	Number of teaching faculty with M.Phil /PhD	M. Phil -1
16	Number of faculty with projects from National/ International funding agencies and grant received	Nil
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.	Nil
18	Research Centre/facility recognized by the University	Nil

19	Publication Details	
	Title/Journal/ Conference proceedings	***National/ International***
1	**Anitha P** in 31st session of the South Indian History congress presented a research paper on '*Cricket and the colonical urban space*' On 28th, 29th January 2011	***International***
2	**Anitha P** in 32rd session of the SILC,University Of Madras presented a research paper on *'Migrant settlements and urbanisation*' On 3rd,4th and 5th February 2012	***National***
3	**Anitha P** in 33rd session of the SILC,University Of Madras presented a research paper on ' entitled *Towards an Urban Space*' On 15thto 17th February 2013	***National***
4	**Anitha P** in 34th session of the SILC,Thanjavur university presented a research paper on '*Urban immigrants,Tamil Brahmins in Palakkad 1400-1900'* on 1 February 2014	***National***

5	**Anitha P** in 32rd session of the SILC, presented a research paper on '*In defence of the Scared space, Palakkad Brahmins in the late 19th century Malabar*'	***National***
6	**Anitha P** in 2rd session of the Kerala History conference presented a paper '*Transformation of roads in colonial India ,the Palakkad experience,1800-1947*and published proceedings ISBN-978-93-85-725-630	***National***
7	**Saraswathy K**- "*Nehru – the Architect of foreign policy in India*" in Seminar "Chair for Gandhian Studies and Research" conducted by university of Calicut on ***28thand 29th of March 2014***	***National***
8	**Rajalakshmi Maniyangatath**- "*History of Indian press*" on UGC sponsored 3day National seminar "***significance of ManjeriPolitical conference of 1920"***on 15th to 17th September	***National***
9	**Rajalakshmi Maniyangatath**- "*Matrilineal system in India*" in Directorate of Collegiate sponsored seminar "Gender theories and Historiography" conducted by Dept. of History,G.V.C, Palakkad	***Regional***
	Seminars attended	
	Anitha P	
1	Attended two day National seminar,GVC, Palakkad on 12th and 13th January 2012	***National***
2	Attended three day National seminar ,GVC, Palakkad on 12th , 13th and 14th June 2013	***National***
3	Attended seminar in Mercy College, Palakkad on 19th July 2013	
4	Attended two day National seminar ,GVC, Palakkad on 19th and 20th November 2013	***National***
5	Attended two day National seminar, NSS College,Ottapalam on 7th and 8th January 2016	***National***
6	Attended two day seminar,Chittur College,Chittur on 13th and 14th January 2016	***National***
	Saraswathy K	***National***

7	Attended Seminar on "History of National Movement in Literature" organized by Department of Hisory,K.K.T.M college, Kodugallur on ***20th and 21th of December 2011***	***National***
8	Attended Seminar on "Moderization and Marginalization: women in politics and Development" organized by Department of History,C.Achuthamenon Govt. College, Thrissur ***21th,22thand23th November 2013***	***National***
9	Chaired a session in Seminar "Writing Local History" conducted by Dept. Of History, St. Joseph's College, Irijalakuda, ***on 4th and 5th December 2014***	***National***
10	Exploring the cultural Spectrum of Valluvanad and Thallappily Area, S.V.N.S.S Wadakkanchery15th and 16th September 2015	***Regional***
	K A Tulasi	
11	Attended ***National Seminar*** and ***presented paper*** on "*Problems of migrant woman in Kerala*"	***National***
12	Attended four state seminars organized by Kerala Women's Commission-Kerala Women's Commission is a judicial body to hear problems of women and enquire discrimination against them to give legal aid etc. in charge of three districts Kollam,palakkad, Trichur	***Regional***
	Rajalakshmi Maniyangatath	
13	Attended ***Two Day Natioal Seminar*** on "Theories Of Social formation" conducted by Dept. Of History,GVC,Palakkad Sponsored by Directoriate Of Collegiate Education, Govt. of Kerala on ***31th January and 1st February 2013***	***Regional***
14	Attended National seminar conducted by Dept. of Culture and Dept. of Archaeology, Govt of Kerala and chetoor Sankaran Nair foundation for Historical Research and cultural studies on topic "Kerala History and Archaeology" on 9th and 10th November 2014	***National***
15	Attended ***Two Day Natioal Seminar*** on "Communal consciousness,Tolentities and Politics"Conducted by Dept. of History,GVC,Palakkad Sponsored by Directorate of Collegiate Education,Govt. Of Kerala on ***28thand 29th***	***National***

	October 2015	

20	Areas of consultancy and amount generated		Family counselling Rs. 1000
21	Faculty as members in National/International Committees/ Editorial Boards		
	Name of Faculty	***Committee/Board***	
	K.A.TULASI	Kerala State Women's Commission (2012 to 2016)	
22	Student Projects:		
	% of Students who have done in-house / inter-departmental programme		100%
23	Awards/Recognitions received by faculty/ students:		Nil
24	List of eminent academicians and scientists/ visitors to the Department		
	Academician/ Scientist	**Occasion**	
1.	Mr. Girish Menon, Advocate	Seminar on "Legal awareness"	
2.	Mr. Krishnankutty, Circle inspector	Self defence Class	
3.	Mr. Satish, Excise officer	Class on Drug abuse	
25	Seminars/ Conferences/ Workshops organized and the source of funding: Nil		

26	Student Profile Programme/Course wise						
	Name of Programme	Year	Application received	Selected	Enrolled		Pass (%)
					Male	Female	
	BA History	2011-12	753	49	16	33	75
		2012-13	734	42	11	31	91
		2013-14	CAP	44	14	30	73
		2014-15	CAP	40	17	23	87

		2015-16	CAP	51	9	42	87

27	Diversity of Students				
	Name of Programme	***Year***	***% of students***		
			From same state	***Other states***	***Abroad***
	BA History	2011-12	98.4	1.6	-
		2012-13	99.2	0.8	-
		2013-14	100	-	-
		2014-15	100	-	-
		2015-16	100	-	-

28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)	
	Defense services	7
	PSC	3
	UPSC	3

29	Student progression Percentage of students progressing to higher education or employment					
		2011-12	2012-13	2013-14	2014-15	2015-16
	UG to PG	24	27	27	27	29
	Employed	7	12	8	5	-

30	Details of infrastructural facilities (Library/ ICT/ Laboratory/Instrumentation) One Staffroom and two class rooms, computer, Printer
31	Number of students receiving financial assistance from college/ University/ Government or other agencies

	Year	2011-12	2012-13	2013-	2014-15	2015-16

				14		
	No: of Students	132	131	132	128	127
32	Details on Student Enrichment Programmes					
	Programme			***Experts***		
	Quiz programmes, Debate, Seminars, Workshops			Adv. Girish Menon, Mr. Sathish, Adv. Shyja, Mr. Praveen, Father Antoni		
33	Teaching Methods to improve student learning 1. Power point presentation 2. Article Reviews 3. Book Reviews 4. Visit to local self governing bodies 5. IT Classes 6. Discussion 7. Debate 8. Seminars 9. Lecturing 10. Giving Projects on Local History					
34	Participation in institutional social responsibility and extension activities 1.Anti-narcotic campaign 2. Traffic awareness programme 3. Women empowerment programme. 4. Legal awareness programme. 5. Human rights awareness programme					
35	SWOC Analysis of the Department and Future Plans **Strength** ➢ Talented Students. ➢ Due to the social and economic background of the location of the college students belonging to scheduled castes and scheduled					

tribesgetting ample opportunities to advance their higher education aims.

- Eminent teachers with a vision and a mission to mould their personalities.
- Supportive Management and Parents.
- Wall Magazine to display student's creativity in literary and artistic fields.
- Imparting legal awareness on women security and empowerment.
- Study tours to historical sites to know more about local history.Our policy is strictly based on Gender equality.

Weakness

- Lack of PG course.
- Lack of infrastructure facilities.
- Lack of archaeological museum

Opportunities

- Empower students to appear in all competitive examinations like UPSC and PSC
- Creating social awareness and patriotic feeling among the students. Inculcating humane values, giving a thrust to community development activities.
- Developing research attitude among the students and thereby converting this department into a centre of excellence.

Challenges

- Compared to other subjects, we are getting low output. Our challenge is to make them equal with all other subjects.
- Regional backwardness: Low literacy rate in our locality concerning the parents of our students is a major obstacle.

Future Plans

- To become a PG department.
- To start a historical museum
- To organize National, International seminars and workshops.

DEPARTMENT OF POLITICAL SCIENCE

1	Name of the Department	POLITICAL SCIENCE
2	Year of Establishment	1967
3	Name of Programmes/courses offered	UG- Complementary for BA Economics and BA History
4	Names of interdisciplinary courses and Departments involved	Nil
5	Annual/Semester/Choice based credit system	Choice based Credit System
6	Participation of the Department in the courses offered by other Departments	NA
7	Courses in collaboration with other Universities, industries, foreign institutions etc	Nil
8	Details of courses/programmes discontinued	Nil
9	No: of teaching posts sanctioned/filled	

Sanctioned	**Filled**	**Guest/**
1	1	NIL

10 Faculty Profile

	Name	Qualification	Designation	Experience
1.	RanjithKumar.A	MA,MPhil,NET	Assistant Professor	3 years

11	List of senior visiting faculty	Nil

12 Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty

Year	2011-12	2012-13	2013-14	2014-15	2015-16
Percentage	100	-	-	-	-

13	Student-teacher ratio	NA
14	No: of academic support (technical) /administrative staff	Nil
15	Number of teaching faculty with M.Phil/PhD	M.Phil-1
16	Number of faculty with projects from National/ International	Nil

	funding agencies and grant received	
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.	Nil
18	Research Centre/facility recognized by the University	Nil
19	Publication Details	Nil
20	Areas of consultancy and amount generated	Nil
21	Faculty as members in National/International Committees/Editorial Boards	Nil
22	Student Projects:	NA
23	Awards/Recognitions received by faculty/ students-	Nil
24	List of eminent academicians and scientists/ visitors to the Department-	Nil
25	Seminars/ Conferences/ Workshops organized and the source of funding	Nil
26	Student Profile Programme/Course wise	NA
27	Diversity of Students	NA
28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)	NA
29	Student progression Percentage of students progressing to higher education or employment	NA
30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/Instrumentation)	NA
31	Number of students receiving financial assistance from college/ University/ Government or other agencies	NA
32	Details on Student Enrichment Programmes	Nil
33	Teaching Methods to improve student learning Power Point presentation, Book Reviews, Article Reviews, Lecturing, IT Classes, Visit to local self governing bodies.	
34	Participation in institutional social responsibility and extension activities Participated as Judge in Youth Parliament competitions in Higher Secondary schools served as voluntcer of Legal service Authority.	

35	SWOC Analysis of the Department and Future Plans **Strength** Department offers remedial classes and special attention to the backward Students. **Weakness** Single faculty Department handling only complementary course. **Opportunities** It's a good opportunity for the Department to reach the socially, economically and geographically backward students and help them to be the part of the main stream of society. **Challenges** The important challenge for the Department is backwardness of the region and need to do extra effort for the results. **Future Plans** Department needs to focus on extra activity and extension activities for supporting students and regions and also need to start core courses on political science.

DEPARTMENT OF BOTANY

1	Name of the Department		Botany
2	Year of Establishment		1967
3	Name of Programmes/courses offered		B.Sc Botany
4	Names of interdisciplinary courses and Departments involved		Botany Complementary for B.sc.Zoology Opencourse- for all departments
5	Annual/Semester/Choice based credit system		Choice based Credit System
6	Participation of the Department in the courses offered by other Departments		Open course – All departments Complementary Courses- Zoology and Chemistry Common course- English, Malayalam, Hindi, Sanskrit
7	Courses in collaboration with other Universities, industries, foreign institutions etc		Nil
8	Details of courses/programmes discontinued		Nil
9	No: of teaching posts sanctioned/filled		
	Sanctioned	**Filled**	**Guest/**
	3	3	1

10	Faculty Profile				
	Name	Qualification	Designation	Specialisation	Experience
1	Dr.Jyothilekshmi. P	MSc, B.Ed, MPhil, PhD	Associate Professor	Population Genetics	21 years
2	Mrs. ZereenaViji	MSc, B.Ed, MPhil,NET	Assistant Professor	Cytogenetics	10 years
3	Dr. Rekha.P.S.	MSc, PhD	Assistant	Biochemis	7 years

			Professor	try	
4	Ms.Hansiya.V.S.	MSc, B.Ed,SET, NET-JRF	Guest Lecturer		4years

11	List of senior visiting faculty	Nil
12	Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty	

Year	**2011-12**		**2012-13**		**2013-14**		**2014-15**		**2015-16**	
Percentage	*T*	*P*	*T*	*P*	*T*	*P*	*T*	*P*	*T*	*P*
	13	22	13	22	13	22	13	22	13	22

T: Theory; P: Practical

13	Student-teacher ratio	UG- 20:1
14	No: of academic support (technical) /administrative staff	1
15	Number of teaching faculty with M.Phil/ PhD	M.Phil:1 Ph.D:2
16	Number of faculty with projects from National/ International funding agencies and grant received	

	Principal Investigator	**Funding agency**	**Grant**	**Status**	**Duration**
	Dr. Jyothilekshmi.P	UGC	1,25,000	ongoing	2years

17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.	Nil
18	Research Centre/facility recognized by the University	Nil
19	Publication Details	
	Peer Reviewed Journals/ Conference Proceeedings	
1	**Jyothilekshmi, P**., Sudhakaran, M.V. 2012b. *Genetic effects of inbreeding in Muslims of Palakkad*, Kerala. P-88, Abstracts, International Seminar on World Bio-heritage Concerns over Climate Change, The Department of Botany, SreeNarayana College, Chempazhanthy, Thiruvananthapuram, Kerala. (**International**)	

	Jyothilekshmi, P., Sudhakaran, M.V. 2012c. *Trends and Prevalence of consanguineous marriages in Mudaliars of Palakkad district of the state of Kerala*. *J. Hum. Ecol*. 38:1-5. (**National**)
	Jyothilekshmi, P., Sudhakaran, M.V. 2013a. *Socio-economic correlates and temporal trends in consanguinity among Muslims of Palakkad district*. *J. Cytol. Genet*. 14:1-8. (**National**)
	Jyothilekshmi, P., Sudhakaran, M.V. **2013b**. *Genetic effects of consanguinity in Eravallan tribal community of Palakkad district of Kerala*. ***J. Cytol. Genet.*** 14: 83-89. **National**)
	Jyothilekshmi, P., Sudhakaran, M.V. **2013c**. *Public health impact and genetic load in the Eravallan tribal community of Palakkad district of Kerala*. *J****. Cytol. Genet***. 14: 91-96.(**National**)
	Divya K R and K Manonmani. 2013. *Assessment of water quality of river Kalpathypuzha, Palakkad district,Kerala*.IOSR International Journal of Environmental Science, Toxicology and Food Technology.Vol : 4(4) (**International**)
	Divya K R and K Manonmani.2013. *Curative climbers of Thadagai Hills of Anamalais*.International Journal of Life Sciences biotechnology and pharma researchVol : 2(3) (**International**)
	Divya K R and K Manonmani.2013.*Utilization of flower dyes on silk and cotton using mordant combinations*.International Journal of Advanced Life Sciences.Vol : 6(4)(**International**)
	Divya K R and K Manonmani.2013.*Physico Chemical and Biological study on the lentic water bodies of Palakkad, Kerala*.IOSR International Journal of Pharmacy and Biological Science.Vol : 8(1)(**International**)
	Divya K R and K Manonmani.2013. *Floristic composition and ethanobotanical practices of sacred groves of Palakkad district,Kerala*.World Journal of Pharmacy and Pharmaceutical Sciences. Vol : 2(6) (**International**)
	Divya K R and K Manonmani.2013. *Floristic composition and ethanobotanical practices of sacred groves of Nemmara,Palakkad*

	district,Kerala.Journal of pharmaceutical science and Business management.Vol-1 (1):9-17(**National**)
	Jyothilekshmi, P., Sudhakaran, M.V. **2014**. *Does inbreeding lead to increased fertility, mortality and morbidity among the tribes of Attappady of Palakkad district?* P-262, Abstracts, **26th Kerala Science Congress**, Wayanad, Kerala.(**National**)
	Jyothilekshmi, P., P.M. Mathew, B. Vijayavalli. **2015.** *Cytology and its systematic bearing on certain Agavaceous taxa from South India*. ***J. Cytol. Genet***.16 (NS): 7-16.(**National**)
	Jyothilekshmi, P. **2015.** *Consanguinity study in the immigrant Tamil Brahmins of Palakkad district, Kerala*. ***J. Cytol. Genet***.16 (NS): 31-37. (**National**)
	P. Jyothilekshmiand P.M. Mathew. **2015.***Impact of consanguinity on the fertility profiles of some inbreeding communities of Palakkad district, Kerala*. J Cytol Genet. 16 (NS): 55-60.(**National**)
	Zereena Viji and Paulsamy.S. 2015. *In-Vitro Antioxidant Properties and Total Phenolic, Flavonoid and Tannin Contents of PuerariaTuberosa(Roxb. Ex Willd.)*Research Journal of Pharmaceutical, Biological and Chemical Sciences 6(5)1202-1209. (**International**)
	Jyothilekshmi.P and P.M. Mathew. **2016.** *Consanguinity and associated genetic effects in five backward class communities of Palakkad district, Kerala.J. Hum. Ecol*..55 (1,2): 35-40. (**National**)
	Jyothilekshmi.P and P.M. Mathew. **2016.** *Public health impact of inbreeding in five backward class communities of Palakkad district, Kerala*. J Cytol Genet. 17 (1and2): 33-37.(**National**)
	Jyothilekshmi.P and P.M. Mathew. **2016.** *Effect of long-terminbreeding in some communities of Palakkad district, Kerala*.Abstracts, P-22, International Seminar on New Frontiers in Cytogenetics and XIII Conference of the Society of Cytologists and Geneticists 2016 Dec15-17, Department of Botany, University of Kerala, Kariavattom, Thiruvananthapuram, Kerala. (**International**)

	Zereena Viji and Paulsamy.S. 2016. *Phytoconstituents analysis, and GC-MS profiling of tubers of Ipomoea mauritianajacq (convolvulaceae)* International Journal of Recent Advances in Multidisciplinary Research3(3)1345-1349. (**International**)
	Non-Peer Reviewed Journals/ Conference
	Jyothilekshmi, P.,Sudhakaran, M.V. 2012a. *Lethal equivalents and cost of inbreeding.* P-65, Abstracts, National Seminar on Recent Trends and Future Prospects of Biodiversity and Conservation, The Departments of Botany and Zoology, SreeNarayana College, Punalur, Kollam, Kerala.(**National**)
	Jyothilekshmi.P, Sanjusha.S, Charutha.MandJincy.R. 2015. *Study and documentation of edible wild plants used by natives in and around nemmarapanchayath, palakkad district*.Compendium, National Seminar on"Plants and their healing touch: an overview of nature's bounty", Dept. of Botany, NSS College, Nemmara, Palakkad.(**National**)
	Zereena viji Presented Paper on *Free radical scavenging ability and total phenol, flavonoid contents of tubers of Ipomoea mauritiana Jacq. (Convolvulaceae)*at the National seminar Plants and their healing touch an Overview of Nature's Bounty held at Department of Botany NSS College,Nemmara on 16thand17th December 2015.(**National**)
	Zereena viji Presented Paper on *Histochemical Investigation of Two Medicinal Plants GlycosmisPentaphylla and Holostemmaadakodein*at the National seminar Plants and their healing touch an Overview of Nature's Bounty held at Department of Botany NSS College,Nemmara on 16thand17th December 2015.(**National**)
	Zereena viji Presented Paper on *Traditional Knowledge of Plants Used By Indigenous People of Palakkad District as Food and Their Medicinal Properties* at the National seminar Plants and their healing touch an Overview of Nature's Bounty held at Department of Botany NSS College,Nemmara on 16thand17th December 2015.(**National**)
	P.S.Rekha, Assistant professor, Department of botany, N.S.S.College, Nemmara, Palakkad, *Oushadhi* 2015.ISBN 978-93-85105-27-2, pp: 50-63.

	(**National**) Published a paper on *Anticlastogenic Effect of a Polyherbal Drug – Brahma Rasayana (BR)*
	P.S.Rekha and M.K.Dini, Department of Botany, N.S.S.College, Nemmara, Palakkad.*Oushadhi* 2015 ISBN 978-93-85105-27-2, pp: 64-71.(**National**) Published a paper on *Comparative Study on FreeRadial Scavenging Activity of Sphaeranthusindicusand Vernoniacinerea(Linn.) of Asteraceae family*
	Books published/ edited
	ZereenaViji and Paulsamy. S.2015 .*Evaluation of anti oxidant activity of the root tuber of medicinal climber Puerariatuberosa (Roxb. ex Willd*.)DC .Modern methods in Phytomedicine, Daya Publications,Division of Astral. International Pvt.Ltd. (ISBN.No.978-93-5124-663-3 251-259)
	Compendium Oushadhi 2015 edited by **ZereenaViji, Jyothilekshmi.P, Rekha.P.S**.(ISBN.No.978-93-85105-27-2)
	Fundamentals of Population Genetics with Emphasis on Human Inbreeding. 2017. P.M.Mathew. and **Jyothilekshmi.P**. Southern Book Star, Trivandrum-New Delhi

20	Areas of consultancy and amount generated	Plant taxonomy- Nil
21	Faculty as members in National/International Committees /Editorial Boards	
	Name of Faculty	***Committee/Board***
	Dr. Jyothilekshmi.P	1.Member, Academic Board of Genetics, Calicut University 2.Member, Editorial Board, Journal of Cytology and Genetics, Bangalore

22	Student Projects:					
	% of Students who have done in-house / inter-departmental programme					
	Year	***2011-12***	***2012-13***	***2013-14***	***2014-15***	***2015-16***
	% of students	67%	100%	100%	100%	100%
	% of students placed for projects in organisations outside the institution					

	(Research laboratories/ industries etc)					
	Year	***2011-12***	***2012-13***	***2013-14***	***2014-15***	***2015-16***
	% of students	33%	-	-	-	-

23	Awards/Recognitions received by faculty/ students		
	Name	**Faculty/Student**	**Award/Recognition**
	Sneha Suresh	Student	Qualified IIT-JAM examination
	Aiswarya.V.U	Student	Qualified IIT-JAM examination
	Praveena	Student	Gold medal in University Taekwando championship
	Sajeesh.K.R	Student	I prize in Chenda Single - A Zone II prize in Water Colouring- A Zone I tayambaka group - A Zone
24	List of eminent academicians and scientists/ visitors to the Department		
	Academician/ Scientist		**Occasion**
1	Dr. Kishore Kumar, Assistant Professor, Farooq College		Environment day celebration and seminar on Mangrove biodiversity
2	Dr. P.S. Udhayan, Assistant Professor, SreeKrishna College		Seminar on Taxonomic key preparation
3	Sri. N.A. Naseer, Wild Life Photographer		Workshop on wild life photography
4	Dr. P.S. Udhayan, Assistant Professor, SreeKrishna College		Seminar on Plant taxonomy and Systematics
5	Sri. Guruvayoorappan, WWF		Seminar on need for conservation of biodiversity
6	Dr. Prakash Kumar, Director, Malabar Botanical Garden		To deliver lecture in National seminar on Medicinal Plants
7	Dr. N.Sundaran		"
8	Dr. N. Sasidharan, Former Head of Plant Taxonomy, KFRI, Peechi		"
8	Dr.S.Rajasekharan, Former Director of JNTBGRI, Presently member of		"

	State Bio-diversity Board	
9	Dr. Parimelazhagan, Associate Professor in Botany, Bharathiyar University, Cimbatore	"
10	Dr.S.Paulsamy, Associate Professor in Botany, KongunaduArts and science college, Coimbatore	"
11	Dr.K.Arumugasamy, Associate Professor in Botany, Kongunadu Arts and science college, Coimbatore	"

25	Seminars/ Conferences/ Workshops organized and the source of funding			
	Event	**National/ Regional**	**Funding Agency**	**Year**
	'Plants and their healing touch'	National	UGC	2014-15

26	Student Profile Programme/Course wise						
	Name of Programme	Year	Application received	Selected	Enrolled		Pass (%)
					Male	Female	
	B.Sc Botany	2011-12	383	28	7	21	91
		2012-13	367	27	6	21	92
		2013-14	CAP	26	5	21	84
		2014-15	CAP	24	4	20	93
		2015-16	CAP	31	5	26	80

27	Diversity of Students				
	Name of Programme	***Year***	***% of students***		
			From same state	***Other states***	***Abroad***
		2011-12	100%	-	-
		2012-13	100%	-	-

	B.Sc Botany	2013-14	100%	-	-
		2014-15	100%	-	-
		2015-16	100%	-	-

28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)			
	NET	-	SLET	1
	Gate, IIT – JAM	2	Civil services	-
	Defense services	2	PSC	7
	UPSC	5	Others	14

29	Student progression Percentage of students progressing to higher education or employment					
		2011-12	2012-13	2013-14	2014-15	2015-16
	UG to PG	27%	36%	13%	32%	38%
	Employed	21%	8%	14%	7%	4%

30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation): 2 class rooms and a laboratory, Department library with e book collection and book bank, Herbarium, Specimen museum Refregirator Inoculation hood Hotair Oven Centrifuge-2 Microtome-2 Electronic Weighing Balance Computer -2

	Soxhlet apparatus Colrimeter-2 Haemetocytometer Microsocopes- Microscope with projection facility Camera					
31	Number of students receiving financial assistance from college/ University/ Government or other agencies					
	Year	2011-12	2012-13	2013-14	2014-15	2015-16
	No: of Students	19	17	19	24	21

32	Details on Student Enrichment Programmes		
	Year	***Programme***	***Experts***
	2011-12	Seminar on 'Mangrove biodiversity'	Dr.Kishore Kumar, Assistant Professor, Farooq College
		Seminar on 'taxonomic key preparation'	Dr.Udhayan.P.S., Assistant Professor, SreeKrishna College, Guruvayoor
	2012-13	Workshop on wildlife photography	Sri.N.A.Naseer, Wild life photographer and environmentalist
	2013-14	Seminar on Plant taxonomy and Systematics	Dr. P.S. Udhayan, Assistant Professor, SreeKrishna College
	2014-15	Seminar on need for conservation of biodiversity	Sri. Guruvayoorappan, WWF
	2014-15	Quiz programme on Biodiversity and conservation	
	2015-16	UGC sponsored National seminar on 'Plants and their healing touch'	1.Dr. Prakash Kumar, Director, Malabar Botanical Garden 2. Dr. N. Sasidharan, Former

			Head of Plant Taxonomy, KFRI, Peechi 3. Dr.S.Rajasekharan, Former Director of JNTBGRI 4. Dr. Parimelazhagan, Associate Professor in Botany, Bharathiyar University, Cimbatore 5. Dr.S.Paulsamy, Associate Professor in Botany, Kongunadu Arts and science college, Coimbatore
	2015-16	Facilitated training to 10 students on organic farming, vermicomposting and Mushroom cultivation for two days through RATTC, Dept of Agriculture, Malampuzha	
	Study tour, visit to research institutes, universities and garden, participating in nature camps etc conducted in almost all academic years		
	Auspicious day celebrations, organizing debates, discussions etc through Flora club		
33	**Teaching Methods to improve student learning**: Debate, brain storming sessions, seminars by experts, visit to research institutions and universities, quiz programmes, seminars and paper presentation by students, plant collection, herbarium preparations,Field trip, ICT enabled teaching, Lecture cum Demonstration,Peer group teaching		
34	**Participation in institutional social responsibility and extension activities**: ➢ CSS activities of 30 days as directed by university. ➢ Students rendered awareness classes to nearby rural society on organic farming, solid waste disposal and vermi-composting. ➢ Students showed social responsibility to document the traditional knowledge of the neighboring rural society on lesser used edible plants and various food preparations.		

	➢ Phytochemical evaluation of rural food stuffs like jack fruit seed, papaya etc to identify the components. ➢ Every year the flora clubof our dept. organizes debates and discussions on socially relevant issues.
35	SWOC Analysis of the Department and Future Plans: **Strength**: 1. Well qualified teaching faculty 2. Dept. library with e-books and book bank 3. Opportunity to serve students coming from economically and socially weaker sectors of society 4. Flora club –organizes field trips and nature camps 5. Location of the college make it ideal for studying Botany 6. Teacher-Student interaction is good,which facilitates teaching-learning process 7. Good results maintained every year 8. Efficient tutorial system **Weakness**: 1. Limited infrastructure facility 2. Laboratory is not highly equipped 3. Space limited 4. Shortage of technical staff 5. Lack of Department funds **Opportunity**: 1. Department can organize summer school classes for high school and higher secondary students on diversity of flora, conservation of bio-diversity and ethno-botanical documentation 2. Department can act as a technology transfer center to the surrounding rural society on mushroom cultivation, spawn preparation and on bio-fertilizer production. 3. High scope for academic progression(UG-PG)

4. Students can divert from Botany to any other life science branches for their higher studies and jobs.
5. After UG students get placements in Research Laboratories of state and central Government

Challenges:

1. Water scarcity during April, May
2. Transportation facility less.
3. Unorganized Semester system

FUTURE PLANS

- The department is planning for getting Post graduation course.
- To obtain funds from UGC/ DST through major and minor research projects.
- To increase infrastructure facility through Alumni and various funding agencies.
- Plans to organize orientation classes for PG entrance examinations
- Plans to form Biodiversity club with the help of Bio Diversity Board
- To share scientific knowledge to the society in the field of organic farming,
- Rain water harvesting, and vermi composting.
- Plans to collect ethno-botanical knowledge about their traditional food and medicinal plants from tribals from Nelliampathy Hills.
- Department can act as a technology transfer center to the surrounding rural society on mushroom cultivation, spawn preparation and on bio-fertilizer production

DEPARTMENT OF CHEMISTRY

1	Name of the Department		CHEMISTRY
2	Year of Establishment		1967
3	Name of Programmes/courses offered		UG-CHEMISTRY PG-CHEMISTRY
4	Names of interdisciplinary courses and Departments involved		Chemistry complementary course for BSc. Physics, Botany and Zoology. Environmental Chemistry- open course for all U.G courses.
5	Annual/Semester/Choice based credit system		***BSc*** - Choice Based Credit Semester System ***MSc*** – Semester System
6	Participation of the Department in the courses offered by other Departments		All Departments (complementary, common and open courses)
7	Courses in collaboration with other Universities, industries, foreign institutions etc		Nil
8	Details of courses/programmes discontinued		Nil
9	No: of teaching posts sanctioned/filled		4
	Sanctioned	**Filled**	**Guest Faculty**
	4	4	4 (for newly created M.Sc course)

10	Faculty Profile				
	Name	Qualification	Designation	Specialisation	Experience

1	Dr. Suja Haridas	MSc., Ph.D, JRF-NET	Assistant professor	Physical and Inorganic Chemistry	8 years
2	Mrs. Nitha L.P.	MSc., JRF-NET	Assistant professor	Inorganic and Organic chemistry	2 years
3	Dr.Ambili V.K.	MSc., JRF-NET, B.Ed, SET, PhD.	Assistant professor	Organic and Theoretical chemistry	2 years
4	Dr. Priya S	MSc., JRF-NET, B.Ed., SET, Ph.D.	Assistant professor	Physical and Inorganic Chemistry,	2 Years
5	Mrs.Reshma M	MSc., BEd., SET	Guest	Inorganic chemistry	3 years
6	Mrs. Jazeera S	MSc.	Guest	Organic chemistry	2years
7	Ms. Nimmi Thambachan	MSc.	Guest	Inorganic chemistry	1years
8	Ms. Sujitha R.	MSc., BEd.,SET	Guest	Theoretical chemistry	1 years

11	List of senior visiting faculty	Dr K Padmakumar, Assistant Professor, Dept. of Chemistry, Govt. Victoria College, Palakkad. (2013-15)

12 Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty)

	2011-12		***2012-13***		***2013-14***		***2014-15***		***2015-16***	
	UG	**PG**	**UG**	**PG**	**UG**	**PG**	**UG**	**PG**	**UG**	**PG**
Theory	-	NA	-	NA	50	50	40	43.5	53.3	48.7
Practical	-	NA	-	NA	50	50	33.3	16.6	45.8	33.3

13	Student-Teacher ratio	UG- 20:1

					PG-12:1
14	No: of academic support (technical) /administrative staff				1(Temporary) – Lab Assistant
15	Number of teaching faculty with M.Phil/PhD				Ph.D -3
16	Number of faculty with projects from National/ International funding agencies and grant received				National: 1
	Principal Investigator	**Funding agency**	**Grant**	**Status**	**Duration**
	Dr. Suja Haridas	UGC Major	5,04,500/-	completed	01-07-2011 to 30-06-2014
	Dr. Suja Haridas	KSCSTE Major	13,00,000/-	completed	01-03-2012 to 28-02-2015
	Dr. Suja Haridas	UGC Minor	1,60,000/-	completed	15-01-2011 to 15-07-2012
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.				Nil
18	Research Centre/facility recognized by the University				NA

19	Publication Details	
	Title/Journal/ Conference proceedings	***National/ International***
	Dr. Suja Haridas	
	Visible light induced photocatalytic activity of polyaniline modified TiO_2 and Clay-TiO_2 composites, Bulletin of Chemical Reaction and Catalysis, 8(2), 2013, *145*	***International***
	Conference Proceedings	
	TiO_2/WO_3 Composites–An efficient photocatalyst for the degradation of Rhodamine B, National Seminar on Current Trends in Chemistry, CTriC, 4^{th}-5^{th}March 2011 CUSAT.	***National***

	Rhodamine B encapsulated SBA: Synthesis and Kinetic Studies - National Seminar on Current Trends in Chemistry, CTric March 2013, CUSAT.	***National***
	Visible Light sensitivity of SBA-Titania composites, National Seminar on Nanostructured Materials (NSM 2014), N.S.S Hindu College, Changanacherry, August 2014.	***National***
	Optical nonlinear studies on Dye Encapsulated Mesoporous Santa Barbara Amorphous-15 with profusely large surface area and large pore volume, 24th Swadeshi Science Congress, ISBN: 978-81-928129-2-2, 6th to 8thNovember 2014	***Regional***
	Kinetic studies on the removal of Rhodamine B using SBA-15 as adsorbent, 24th Swadeshi Science Congress, ISBN: 978-81-928129-2-2, 6-8 November 2014.	***State***
	Titania–Polyaniline Composites for the Photocatalytic Degradation of Some Common Pollutants, International Conference on Advances in Polymer technology APT 16, PSRT, CUSAT, February 2016.	***International***
	Photocatalytic Degradation of Rhodamine over titania based catalysts, UGC Sponsored National seminar, Baselius College, November 2014.	***National***
	Titania based catalysts for the degradation of some common pollutants, Suja Haridas, National Seminar on Crystallography: Special Emphasis on Applications in Chemistry, Special issue, Journal of Chemical and Pharmaceutical Chemistry, N.S.S Manjeri, January 2016 ISSN 0974-2115	***National***
	Kinetic Studies on the removal of Alizarin using SBA-15 as Adsorbent, National Seminar on Recent Advances in nanotechnology, SNGS Pattambi ISSN 13:978-81-910991-9-5	***National***

	Nitha L.P.	
	Synthesis, Spectroscopic Characterisation, DNA cleavage, superoxidase dismutase activity and antibacterial properties of some transition metal complexes of a novel bidentate Schiff base derived from isatin and 2-aminopyrimidine, Spectrochim Acta A 118, 2014, 154–161.I.F 2.09.	***International***
	Synthesis, characterization, antibacterial, DNA cleavage and SOD activities of some 3d metal complexes of ethyl[2-(1H-indol-3-yl)methyleneamino]-4,5,6,7-tetrahydrobenzo-[b] thiophene-3-carboxylate. Med Chem Res DOI 10.1007/s00044-014-1099-5. I.F 1.23	***International***
	Synthesis, spectroscopic characterization, DNA cleavage and antibacterial studies of a novel tridentate Schiff base and some lanthanide (III) complexes, J Rare Earth, 32, 2014, 379-387.I.F 1.29	***International***
	Microwave assisted synthesis, spectroscopic characterization and luminescence property of transition metal complexes of 2-(3-phthalylhydrazidylazo)-ethylacetoacetate. J Indian Chem Soc 91, 2014, 1-9.I.F 0.7	***National***
	Conference Proceedings	
	Microwave assisted synthesis, spectroscopic characterization and fluorescence properties of some transition metal complexes of phthalyl-2-azo-5-naphthol, Current Trends in Chemistry (CTric-2014), Department of Chemistry, CUSAT, 17th-18thJanuary 2014.	***National***
	Synthesis, characterization, DNA cleavage and in vitro antimicrobial activities of some metal complexes of bishydrazone, Current Trends in Chemistry (CTric-2014), Department of Chemistry, CUSAT, 17th-18thJanuary 2014.	***National***

	Microwave assisted synthesis, spectroscopic characterization and biological studies of some 3d metal complexes of potentially tridentate Schiff base. 3rd International conference of the Indian Council of Chemists, Dubai, 10- 14 June 2014	***International***
	Synthesis, characterization, DNA cleavage and corrosion inhibitory activities of transition metal (II) complexes with a potentially bioactive azodye, 3rd International conference of the Indian Council of Chemists, Dubai, 10-14 June 2014.	***International***
	*Synthesis and spectroscopic characterization of some transition metal complexes with an azo-azomethine derivative,*Annual convention of chemists, Dept. of Chemistry, Kurukshetra University, Kurukshetra, 9th-12th December 2014.	***National***
	Synthesis, characterization and biological applications of some bivalent transition metal complexes of a potentially active bishydrazone, National Seminar on Frontiers of Polymers and Advanced Matertials (FPAM), Dept. of Chemistry, University of Kerala, Kariavattom, Trivandrum, 5th-7th November 2014.	***National***
	*Synthesis, spectroscopic characterization, thermal decomposition kinetics and antibacterial activity of lanthanide (III) nitrate complexes with a bishydrazone,*International Conference on Science, Technology and Applications of Rare Earths (ICSTAR), Organized by Rare Earths Association of India, 23-25 April 2015.	***International***
	Synthesis, characterization and antibacterial applications of lanthanide (III) nitrate complexes of 2-(N-salicylideneamino)-3-carboxyethyl-4,5-	***National***

	dimethylthiophene,. National Seminar on Smart Materials, University of Calicut, 24-25, March 2015.	
	Synthesis, characterization and antiproliferative activity of some mixed ligand complexes, National Seminar on New Materials in Chemistry, University of Calicut, 30th-31st January 2015	***National***
	Lanthanide (III) complexes with a bishydrazone - Synthesis, characterization, fluorescence property and DNA cleavage activity, National Symposium on Recent Advances in Chemistry and Industry, The Indian Chemical Scoiety, 31st July- 1st August 2015.	***National***
	Synthesis, spectroscopic characterization and biological studies of some 3d metal complexes of an azo derivative, National Symposium on Recent Advances in Chemistry and Industry (2015), The Indian Chemical Society, 31stJuly-1st August 2015	***National***
	Dr. Ambili V K	
	Conferences	
	Kinetic Studies on the removal of Alizarin using SBA-15 as Adsorbent -National Seminar on Recent Advances in Nanotechnology at Dept. of chemistry S.N.G.S College Pattambi, 29th and 30thJan 2015. ISSN 13:978-81-910991-9-5.	***National***
	Dr. Priya S	
	"Nitric oxide releasing photoresponsive nano hybrids as excellent therapeutic agent for cervical cancer cell lines", ACS Applied Materials and Interfaces, doi.org/10.1021/am402086m. ***Impact factor – 6.7***	***International***
	"Naked eye detection of Nitric oxide release from nitrosothiols aided by gold nano particles", Analyst, DOI:10.1039/C2AN16182F , ***impact factor - 4.3***	***International***

	"Copper oxide-modified glassy carbon electrode prepared through copper hexacyanoferrate–G5-PAMAM dendrimer templates as electrocatalyst for carbohydrate and alcohol oxidation", J Solid State Electrochem, DOI 10.1007/s10008-011-1537 , ***impact factor – 2.2***	***International***
	"*CuO Microspheres Modified Glassy Carbon Electrodes as Sensor Materials and Fuel Cell Catalysts*", Journal of Electrochemical Society, DOI: 10.1149/2.087204jes, ***impact factor - 2.3***	***International***
	S-nitrosothiol tethered polymer hexagons - Synthesis, Characterisation and antibacterial effect", Journal of material science materials for medicine, DOI 10.1007/s10856-013-5032-0, ***impact factor -2.3***	***International***
	"*Fabrication of flexible conducting thin films of Copper-MWCNT from multi-component aqueous suspension by electrodeposition*, J. of Solid State Electrohemistry-February 2014, Volume 18, Issue 2, pp 487-496, ***impact factor -2.2***.	***International***
	"Implication of electrodeposition parameters on the architecture behavior of MCNT - incorporated metal matrix" Applied Surface Science, 284 (2014) 270-277, ***impact factor -2.3***.	***International***
	Dr. Vinayakan R.	
	Cytotoxicity and fluorescence studies of silica-coated CdSequantum dots for bioimaging applications, J Nanopart Res (2011) 13:2587–2596	***International***
	Fluorescence Imaging of Stem Cells, Cancer Cellsand Semi-Thin Sections of Tissues using Silica-Coated CdSeQuantum Dots, J. Fluoresc. 2011, *21*(4), 1365.	***International***
	Synthesis of CdS nanorods and nanospheres: shape tuning by the controlledaddition of a sulfide precursor at room temperature, Cryst. Eng. Comm, 2011, *13*, 2340	***International***

	Cellular uptake and subcellular localization of highly luminescent silica-coatedCdSe quantum dots – In vitro and in vivo,J. Colloid Interface Sci. 2011, *357*, 366.	***International***
	Conference proceedings	
	National Seminar "Recent Trends in Conducting Polymers and Polymer Nano structures"Aquinas College, Edacochin.	***National***
	National Seminar "Emerging Nanoscience and its Future in Biology". St. Aloysius' College, alappuzha.	***National***
	National Seminar "Climate Change: New Challenges in Human Rights"NSS Hindu College Changannassery.	***National***
	Dr. Renjusha S	
	Synthesis and crystal structure of Cu(II) complexes of di-2-pyridyl ketone N(4) –ethyl thiosemicarbazone], National Seminar on 'Uptrends in Chemical Sciences and Technology', N.S.S. Hindu College Changanassery, 15th-16th March-2012	***National***
	Dr. Dhanya T.P.	
	Visible light responsive S-N codoped TiO_2 photocatalyst for the degradation of 2,4- D, C Tric, CUSAT	***National***
	Enhanced photocatalytic activity of silver doped titania synthesized through sol gel method, C Tric 2012 at CUSAT	***National***
	Enhanced photocatalytic activity of nitrogen doped titania synthesized through sol gel method, National conference on Advances in organic and physical chemistry held at Department of Chemistry, 2012-University of Calicut	***National***

20	Areas of consultancy and amount generated	Department is providing free consultancy for analysis of water and milk samples from near-by locality

21	Faculty as members in National/International Committees Editorial Boards	NIL

22	Student Projects:						
	% of Students who have done in-house / inter-departmental programme						
	UG- 100 %						
		Year	***2011-12***	***2012-13***	***2013-14***	***2014-15***	***2015-16***
	PG	%	NA	NA	NA	82	50
	% of students placed for projects in organisations outside the institution (Research laboratories/ industries etc)						
		Year	***2011-12***	***2012-13***	***2013-14***	***2014-15***	***2015-16***
	PG	%	NA	NA	NA	18	50

23	Awards/Recognitions received by faculty/ students		
	Name	**Faculty/ Student**	**Award/Recognition**
1	Remya Krishnan K	Student	Suvarna Jubilee Scholarship (2011-12)
2	Jithin Rafi	Student	Post Matric Fellowship – Programme for the Welfare of Minorities (2012-13)
3	Akarsha Santhosh	Student	State Merit Scholarship (2013-14)
4	Keerthi K	Student	Mannam Nidhi Scholarship (2014-15)
5	Anzla M	Student	Suvarna Jubilee Scholarship (2014-15, 2015-16)
6	Aiswarya P	Student	Suvarna Jubilee Scholarship (2014-15, 2015-16)
7	Amirtha N R	Student	Higher Education Scholarship (2014-15,2015-16)
8	Vinduja A	Student	Mahindra Scholarship (2015-16)
9	Sreeshma S	Student	Mahindra Scholarship (2015-16)

10	Athira A	Student	2nd position in Calicut University Taekwondo Championship (2014-15)
11	Ragi R	Student	3rd position in 400 mts race in Calicut University Athletics (2014-15) 2nd Position in 400 mts and 400 Mts Hurdles in State Senior Athletics Championship Participation in Federation Cup Nationals Athletics 3rd Position in 400 Mts Hurdles in Calicut University Athletics
12	Prem Kumar P K	Student	2nd Position in Junior State Wrestling Championship (2015-16)

24	List of eminent academicians and scientists/ visitors to the Department	
	Academician/ Scientist	**Occasion**
1	Prof. K.R. Janardhanan, Retd.Head of Dept. of Chemistry, NSS college Nemmara	Illustrative presentation on "Chemistry in daily life" and "Careers in Chemistry" in Relation with International Year of chemistry, 2011-12
2	Sree Guruvayoorappan, Wild Life Protection Society South Indian Coordinator-Organic Farmer and Environmentalist.	Talk on "Unscientific use of Pesticides and ts impacts"in connection with Environmental Day Celebrations, 2012-13.
3	Dr. Joby Thomas, Associate Professor, Dept. of Chemistry, St.Thomas College, Thrissur.	Invited Lecture on "Pericyclic Reactions"in connection with NSD 2013-14. Releasing of Student magazine, 'AROMA'

5	Dr. S. Sugunan, Retd. Professor, Dept.of Chemistry CUSAT	Invited Lecture on 'Introduction to Statistical Thermodynamics' for BSc. Students, 2013-14
6	Dr. P. Ravindran, Professor, Dept. of Chemistry, University of Calicut.	Invited Lecture on 'Green Chemistry' in relation with NSD 2014-15
7	Dr. Roy K B, Assistant Professor, S.N.G.S. College Pattambi.	Invited Lecture on 'Supra Molecular Chemistry' to PG students, 2014-15.
8	Dr. R. Manu, Assistant Professor-Sree Vyasa NSS College Wadakkanchery	Lecture on 'Advances in Nanotechnology' related to National Science Day Celebrations, 2015-16.
9	Dr. K. Padmakumar, Assistant Professor, Dept. of Chemistry, Govt. Victoria college Palakkad	Visitng faculty for M.Sc Chemistry for the academic years 2013-14, 2014-15. Invited Lecture on "Spectroscopy"
10	Dr. John P. R.- Assistant Professor, Dept. of Chemistry- Govt Victoria College Palakkad	Workshop on "Microscale Analysis"2015-16.

25 Seminars/ Conferences/ Workshops organized and the source of funding

	Event	**National/ Regional**	**Funding Agency**	**Year**
	International Year of Chemistry Celebrations IYC-2011	Regional	KSCSTE	2011-12

26 Student Profile Programme/Course wise

Name of Programme	**Year**	**Application received**	**Selected**	**Enrolled**		**Pass (%)**
				Male	Female	

	B.Sc Chemistry	2011-12	560	26	5	22	83
		2012-13	679	27	3	24	57
		2013-14	CAP	29	7	22	76
		2014-15	CAP	23	3	20	69
		2015-16	CAP	30	5	25	92
	M.Sc Chemistry	2011-12	NA				
		2012-13	NA				
		2013-14	89	12	1	11	NA
		2014-15	CAP	12	2	10	100
		2015-16	CAP	12	0	12	100

27	Diversity of Students				
	Name of Programme	***Year***	***% of students***		
			From same state	***Other states***	***Abroad***
	B.Sc Chemistry	2011-12	100	Nil	Nil
		2012-13	100	Nil	Nil
		2013-14	100	Nil	Nil
		2014-15	100	Nil	Nil
		2015-16	100	Nil	Nil
	M.Sc Chemistry	2011-12	NA	NA	NA
		2012-13	NA	NA	NA
		2013-14	100	Nil	Nil
		2014-15	100	Nil	Nil
		2015-16	100	Nil	Nil

28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)			
	Defense services	2	PSC	9
	UPSC	3	Bank	6
	Others	10		

29	**Student progression Percentage of students progressing to higher education or employment**					
		2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**
	UG to PG	46%	11%	35%	35%	27%
	PG to M.Phil					3%
	PG to Ph.D					
	Employed	33%	14%	7%	Nil	Nil

30 Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation)

LIBRARY: The department has a full-fledged library consisting of around 2000 reference and text books. Department also subscribes few National Journals.

ICT: Department is equipped with two computers and laser printers. Internet facility of the Department is made accessible for students during project works

LABORATORY: Separate labs are available for UG and PG courses.

INSTRUMENTATION FACILITIES: The Department is blessed with the basic research facilities. A list of major equipments is given below

Spectrophotometer	Electronic balance	Muffle furnace
Cooling centrifuge	Photoreactor	Orbital shaker
Hot air oven	Colorimeter	Polarimeter
Sonicator	Vapour phase reactor	Refractometer
pH meter	Conductivity meter	

31 Number of students receiving financial assistance from college/ University/ Government or other agencies

	Year		***2011-12***	***2012-13***	***2013-14***	***2014-15***	***2015-16***
	Students	***UG***	58	66	62	54	60
		PG	-	-	9	19	19

32 Details on Student Enrichment Programmes

Year	***Programme***	***Experts***
	The International year of Chemistry was celebrated with a series	

	2011-12	of programmes by the department with financial assistance from KSCSTE. A quiz competition was conducted for the students of our college. An exhibition was organized with the intention of creating a basic interest in science among the higher secondary students of near-by schools. The venture was enthusiastically undertaken by the UG students of the Department. The students were given hands own experience in soap making.
		Lecture on "Chemistry in Daily Life" and "Career in Chemistry" By Prof. K.R. Janardhanan, Retd. Head of Dept. of Chemistry, NSS college Nemmara
	2012-13	Talk on "Unscientific Use of Pesticides and its Impact" by Sree Guruvayoorappan, Wild Life Protection Society South Indian Coordinator-Organic Farmer and Environmentalistwas arranged in connected with the Environmental Day Celebrations. The UG students conducted a class room campaigning on the harmful effects of pesticides.
	2013-14	An invited Lecture on "Pericyclic Reactions" by Dr. Joby Thomas, Associate Professor, St Thomas College Thrissurand the releasing of the departmental magazine "Aroma" were the highlights of the National Science Day Celebrations. Invited Lectures on "Introduction to Statistical Thermodynamics" by Dr. S Sugunan, Rtd. Professor, Dept of Chemistry, CUSAT.
	2014-15	Seminar on Green Chemistry by Dr. P. Ravidran, Professor, Dept of Chemistry, University of Calicut Invited Lecture on "Supra Molecular Chemistry" by Dr. Roy K B, Assistant Professor, S.N.G.S. College, Pattambi. Invited Lecture on "Introduction to Spectroscopy" by Dr. K. Padmakumar, Asst. Professor, Department of Chemistry, Govt Victoria College, Palakkad.
	2015-16	Lecture on Nano Chemistry by Dr. R. Manu, Assistant Professor, Dept. of Chemistry, Sree Vyasa NSS College, Wadakkanchery,

		Thrissur. Initiative was taken towards a greener approach in Chemistry Practicals by shift in the scheme from semi-micro to micro analysis. Workshop on "Microanalysis- A Green Approach" was led by Dr. John P R, Assistant Professor, Govt. Victoria College Palakkad.The laboratory session familiarised both UG and PG students with the basics of the new approach.
33	Teaching Methods to improve student learning 1. USE OF ICT FACILITIES 2. GROUP DISCUSSION AND PROBLEM SOLVING 3. PEER TEACHING 4. GROUP PROJECT 5. STUDENT SEMINARS 6. SSP and WWS 7. SEMINARS/ INVITED LECTURES/ WORKSHOPS	
34	**Participation in institutional social responsibility and extension activities-** Along with the academic excellence, the Department aims at the creation of socially motivated student community. ➢ The students are encouraged to participate in the extracurricular activities through N.S.S and N.C.C. The students actively participate in the social intitiatives including campus cleaning, environmental protection etc. CSS (Compulsory Social Service) implemented by the University of Calicut ensures the participation of students in social activities. ➢ The students also assist in the consultancy services extended by the department like water analysis.Drinking water quality guidelines and standards are designed to enable the provision of clean and safe water for human consumption, thereby protecting human health. Water samples are collected from near-by sources for quality testing achieved mainly through UG projects. ➢ Attempts were made impart a scientific awareness regarding food	

	adulteration and environmental conservation through group projects. Milk, curcumin and oil samples were subjected to quality testing and awareness classes were provided to students. Students undertook a survey on the use of commercial milk samples by the local community.
	DEPARTMENTAL ACTIVITIES **Industrial Visit** The industrial visit/ study tour, which forms a part of the UG curriculum is undertaken by the Department in such a way to provide both experience and job opportunities to the students. The places of visit includes C-MET, Sud-Chemie, FACT, Malabar Cements etc. The visit is intended to provide a basic understanding of the technology and chemistry involved and to get familiarized with various sophisticated instruments used for analytical purposes.
35	SWOC Analysis of the Department and Future Plans **Strength** 1. Subject with high potentials in career options 2. Well qualified, dedicated and determined teaching faculties. 3. Meritorious and disciplined students 4. Supportive parents 5. Good teacher – student interaction through efficient mentoring. 6. Department Library with adequate reference books. 7. Availability of basic infrastructure **Weakness** 1. Shortage of permanent faculty 2. Shortage of supportive lab staff 3. Space shortage. 4. Shortage of Departmental funds due to lack of ongoing projects 5. Economically and socially weak students and parents.

6. Lack of awareness of modern technologies among the students.
7. Remote area restricting the working time of students in laboratory.

Oppurtunity

1. Scope for chemistry graduates and post graduates in various industries.
2. Opportunity for pursuing research programmes and projects
3. More opportunity for getting jobs in analytical field.
4. Provide coaching for competitive examinations like NET-JRF, GATE, JAM etc for jobs and higher studies.

Challenges

1. Lack of interest in basic science among students
2. Motivation of students to pursue higher education.
3. Upgradation of the Department as Research Centre.
4. Upgradation of Department facilities and infrastructure.
5. Shortage of time in semester system for completing teaching and learning process.

Future Plan

1. Upgradation of the Department as a Research Centre
2. Ensure the availability of fund for both research and infrastructural development from Government and various funding agencies. Application for DST-FIST
3. Research collaborations with scientific institutions.
4. Setting up of a computer lab for theoretical chemistry practicals.
5. Free NET coaching for students
6. Orientation programme for school students to develop interest in basic sciences

	7. To take steps in creating Public awareness on Health and Hygiene, Environmental conservation, food and water quality etc, 8. Provide Competitive Exam oriented classes for economically weaker students in the college locality

DEPARTMENT OF INSTRUMENTATION

1	Name of the Department		Instrumentation
2	Year of Establishment		1999
3	Name of Programmes/courses offered		B.Sc Instrumentation
4	Names of interdisciplinary courses and Departments involved		Open course- All Departments
5	Annual/Semester/Choice based credit system		Choice based Credit System
6	Participation of the Department in the courses offered by other Departments		All departments – Common, open and complementary courses
7	Courses in collaboration with other Universities, industries, foreign institutions etc		Nil
8	Details of courses/programmes discontinued		Nil
9	No: of teaching posts sanctioned/filled		
	Sanctioned	**Filled**	**Guest/**
	4	3	1

10	Faculty Profile				
	Name	**Qualification**	**Designation**	**Specialisation**	**Experience**
1.	Santhi Priya G.	B.Tech	Asst. Prof (LWA for Higher studies)	Applied Electronics and Instrumentation	5 yrs
2.	Aiswarya. M	M.Tech	Asst. Prof	Applied Electronics and Instrumentation	5 yrs
3.	Sanal Kumar. S	M.Tech	Asst. Prof	Control and Instrumentation	5 yrs
4.	Dinesh. R	M.Tech	Guest Lecturer	Instrumentation	2 yrs

5.	Sandhya.K	MCA	Guest Lecturer	Computer Application	12yrs

11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty					
Year		2011-12	2012-13	2013-14	2014-15	2015-16
Instrumentation		--	67	67	67	32
Computer Science		100	100	100	100	100
13	Student-teacher ratio				20:1	
14	No: of academic support (technical) /administrative staff				NIL	
15	Number of teaching faculty with M.Phil/PhD				M.Tech - 3 MCA - 1	
16	Number of faculty with projects from National/ International funding agencies and grant received				NIL	
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.				NIL	
18	Research Centre/facility recognized by the University				NIL	

19	Publication Details	
Peer Reviewed Journals		
	Title/Journal/ Conference proceedings	***National/ International***
	Santhi Priya. G	
1.	*Application of NSGA algorithm for improving the performance of spark ignited engines* in International Journal of Innovations and Implementations in Engineering vol.1	***International***
2.	*Vehicular distance regulation system* in International Journal of Innovations and Implementations in	***International***

	Engineering vol.1	
3.	*Control and optimization of torque response in spark ignite engines using NSGA algorithm* in International Advanced Research Journal in Science Engineering and Technology.	***International***
4.	*Electronic Instrumentation for* ***enhancement*** *of automobile engine performance* in the national conference on RIEC.	***National***
5.	*Coperate adaptive cruise control at techsynod*, National conference and workshop on recent trends in Electrical, Electronics and Communication	***National***
6.	*Performance enhancement of spark ignited engines using NSGA optimization in prabandh 16*, National Conference on Recent Advances in Computer Science Applied Electronics and Power Engineering	***National***
	Aiswarya. M	
7.	*An intelligent home automation system using speech recognition technique* in the 6thInternational Conference on "Intelligent Science and Technology" organized by Sun College of Engineering and Technology, Erachakulam on February 2014	***International***
8.	*Steam quality assessment in wet gas : numerical modeling using Comsol* in the International Conference on "Recent Trends in Engineering, Technology and Management-2014" on July 2014	***International***
9.	*ICT based framework of excellence for colleges in rural area* in the national conference (ISBN – 978-81-9230 44-3-4)- "Evolving as a smart college: Concept, Opportunities and Challenges" organized by IQAC in collaboration with Vijnana Bharati Mumbai on February 2016	***National***
Non-Peer Reviewed Journals		
	Title/Journal/ Conference proceedings	***National/***

		International
Sanal Kumar. S		
1.	Proceedings of UGC sponsored two day national seminar titled Emerging trends in Instrumentation and Control.(ISBN – 978-81-89085-92-6)	***National***
Books		
	Title	
1	Sanal Kumar S and Shereena J. (2011). *General Informatics – for Third semester (Core Course) B.Com/BBA/HM Degree Programme.* National Publishing House, Calicut. First Edition	
2	Sanal Kumar S and Shereena J. *Computer Applications in Economics – for Fifth semester B.A (Economics) (Core Course) Degree Programme.* National Publishing House, Calicut. (2011). First Edition	
3	Sanal Kumar S and Shereena J. (2012). *General and Bioinformatics: Core Course Botany*. Manjusha Publications, Calicut. Second Edition	
4	Sanal Kumar S and Shereena J. (2012). *General Informatics and Bioinformatics: Core Course Zoology*. Manjusha Publications, Calicut. Second Edition.	
5	Sanal Kumar S and Shereena J. (2012). *General Informatics, Core Course English.* Manjusha Publications, Calicut. Second Edition	
6	K.K. Bhaskaran, A.R Ajith Kumar Ramesh, Shereena.J, Sanal Kumar.S. (2013). *General Informatics Methodologies in Plant Science. Core Course Botany.* Second Semester BSc Degree Programme, M.G University. Manjusha Publications, Calicut. First Edition	

20	Areas of consultancy and amount generated	NIL
21	Faculty as members in National/International Committees Editorial Boards	NIL

22	Student Projects:
	% of Students who have done in-house / inter-departmental programme

	2011-12	*2012-13*	*2013-14*	*2014-15*	*2015-16*
	61	79	48	32	44
	% of students placed for projects in organizations outside the institution (Research laboratories/ industries etc)				
	2011-12	*2012-13*	*2013-14*	*2014-15*	*2015-16*
	39	21	52	68	56

23	Awards/Recognitions received by faculty/ students		
	Name	**Faculty/Student**	**Award/Recognition**
1.	Sukanya. H	Student	University topper 2016
2.	Sruthi T	Student	University topper 2015
3.	Chitra. P	Student	University topper 2014
4.	S. Jnanambika	Student	University topper 2013
5.	Hamza.A	Student	University topper 2012

24	List of eminent academicians and scientists/ visitors to the Department	
	Academician/ Scientist	**Occasion**
1.	Shejin. H.S, Assistant Professor, Department of Applied Electronics and Instrumentation, MES, College of Engineering, Kuttipuram, Malappuram, Kerala.	National Seminar
2.	Ashok. K Assistant Professor, Department of Applied Electronics and Instrumentation, IES, College of Engineering, Thrissur, Kerala, India.	National Seminar
3.	Indu.T Lecturer, Department of Instrumentation and Control, NSS College of Engineering, Palakkad.	National Seminar
4.	Dr.P.R.Sreemahadevan Pillai Dean, Faculty of Engineering,University of Calicut	National Seminar
5.	Dr.R.K.Sharma,Professor, Department of AeroSpace Engineering, Karunya University, Coimbatore, Tamil Nadu.	National Seminar
6.	Dr. Sanjeevi Gandhi,Assistant Professor, Department of Electronics and Instrumentation Engineering, Karunya University, Coimbatore, Tamil Nadu.	National Seminar
7.	Dr B Vinod,Associate Professor and Head of Department of	National

	Robotics and Automation Engineering, PSG Institute of Technology, Coimbatore, Tamil Nadu.	Seminar
8.	Dr.Sudheesh.P,Assistant Professor, Department of Physics, VTM NSS College, Trivandrum.	National Seminar
9.	Dr.Nishamol.M.S,Assistant Professor, Department of Electronics, Govt College, Chittur Palakkad.	National Seminar
10.	Dr. David Solomon George,Associate Professor, Dept of Electronics and Communication Engineering,Rajiv Gandhi Institute of Technology, Kottayam	National Seminar
11.	G.Sankar, Assistant Professor, Dept of Electronics and Communication, RVS College of Arts and Science, Sulur, Coimbatore, Tamilnadu	National Seminar
12.	Jibin Jose,Assistant Professor, Department of Bio Medical Engineering,Sahrdaya College of Engineering and Technology, Kodakara, Thrissur, Kerala	National Seminar
13.	N.Nandakumar Research scholar, Sri Rama Krishna Mission Vidyalaya college of Arts and Science, Coimbatore, Tamil Nadu	National Seminar
14.	Dr.Gigi Sebastian,Associate Professor,Department of Chemical Engineering,Government Engineering College,Calicut, Kerala	National Seminar
15.	Dr.Anto Johny.T, Associate Professor, Department of Physics, St.Thomas College Thrissur	Inspection for affiliation
16	Dr N C Balakrishnan, Senior Professor, Guruvayurappan Institute of Management, Coimbatore andChairman, The Institution of Engineers (India), Palghat Local Centre. Palakkad	National Seminar
17	Kaja Hussain U, Custom Support Engineer, BPL Telecoms Pvt. Ltd., Chandranagar, Palghat	National Seminar
18	M Kumaresan, Assistant Professor, Dept of Electronics and Communication, RVS College of Arts and Science, Sulur, Coimbatore, Tamilnadu	National Seminar
19	P V Haseena, Assistant Professor, Department of Chemical	National

	Engineering, Government Engineering College, Calicut, Kerala, India	Seminar
20	Dr R K Biju, Assistant Professor,Department of Physics, Pazhassi Raja N S S College, Mattanur, Kannur	National Seminar
21	M K Preethi Rajan, Assistant Professor, P G Department of Physics and Research Centre, Payyanur College, Payyanur 670 327, India	National Seminar

25	**Seminars/ Conferences/ Workshops organized and the source of funding**			
	Event	**National/ Regional**	**Funding Agency**	**Year**
1.	Emerging trends in Instrumentation and Control	National	UGC	2014-15

26	Student Profile Programme/Course wise						
	Name of Programme	Year	Application received	Selected	Enrolled		Pass (%)
					Male	Female	
	B.Sc Instrumentation	2011-12	550	27	20	7	100
		2012-13	596	28	21	7	100
		2013-14	CAP	27	20	7	100
		2014-15	CAP	24	14	10	85
		2015-16	CAP	31	21	10	73

27	Diversity of Students				
	Name of Programme	***Year***	***% of students***		
			From same state	***Other states***	***Abroad***
	B.Sc Instrumentation	2011-12	99	1	-
		2012-13	100	-	-
		2013-14	100	-	-
		2014-15	100	-	-
		2015-16	100	-	-

28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)	
	Defense services	3
	PSC	6
	Others	1

29	Student progression Percentage of students progressing to higher education or employment					
		2011-12	2012-13	2013-14	2014-15	2015-16
	UG to PG	43	13	19	30	10
	Employed	49	30	25	26	10

30 Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation)

Instrumentation and Process Control Lab.

Equipments:

1) DEAD WEIGHT TESTER
2) LDR/ PHOTODIODE/ PHOTOTRANSI-STOR TRAINER
3) RTD MODULE
4) WHEAT STONE BRIDGE
5) THERMOCOUPLE MODULE
6) THERMISTOR MODULE
7) DISPLACEMENT MEASUREMENT TRAINER USING LVDT
8) STRAIN MEASUREMENT TRAINER MODULE
9) REDWOOD VISCOMETERS
10) FIRST ORDER LIQUID LEVEL SYSTEM LEVEL PROCESS CONTROLLER
11) DIGITAL MULTIMETERS
12) STOP WATCH
13) GLASS THERMOMETER
14) COMPUTER SYSTEM

15) LASER MULTI FUNCTION PRINTER

MicroProcessor and MicroController Interfacing Lab

Equipments:

1) 8085 MICROPROCESSOR LC LCD TRAINER
2) 8 CHANNEL ADC INTERFACE BOARD
3) 8051 MICROCONTROLLER TRAINER KIT
4) STEPPER MOTOR CONTROLLER WITH MOTOR
5) 2 CHANNEL DAC INTERFACE BOARD
6) CRO

Computer Lab

11 Nos of Computer System and one Printer

Library Books : 243

31 Number of students receiving financial assistance from college/ University/ Government or other agencies

Year	2011-12	2012-13	2013-14	2014-15	2015-16
No: of Students	15	18	18	15	36

32 Details on Student Enrichment Programmes:

- 'Career Oriented Programme' by Indian Air Force was organised by Department of Instrumentation and career Guidance and placement cell
- 'Personality Development and Soft Skill Training Programme' was conducted by Department of Instrumentation and career Guidance and placement cell
- An IT quiz competition was conducted
- The students of Third Semester Instrumentation had created a Blog *www.bscinstrumentation.blog.com*
- A quiz competition on 'India Till Now' in connection with Independence Day celebrations was connected
- "Talent Scan Examination" based on computer fundamentals and C Programming was conducted

	• We had arranged an Industrial Visit to 'Fluid Control Research Institute' (Under Ministry of Heavy Industries and Public Enterprises, Govt. Of India)
33	Teaching Methods to improve student learning **1)** Discussion Methods - Engaging students in discussion increases their learning skills and motivation by propelling them to develop their own ideas and creativity. A good atmosphere for interaction is the first step in encouraging students to talk. **2)** Through Games and Experiments or Simulations - Games, experiments and simulations can be good learning methods for students. Games and simulations enable students to solve real-time problems in a safe and friendly atmosphere and enjoy themselves while doing so. **3)** Problem-Oriented Learning - This is an instructional method that challenges students to work in groups to seek solutions to real world problems. The process helps students to resolving problems or meeting challenges that are encountered in life, and will help prefer students for their career advancements. **4)** Writing Assignments - Writing assignments in class can provide an opportunity for students to apply critical thinking skills as well as help them to learn course content.
34	Participation in institutional social responsibility and extension activities. • As a part of 'Van Mahotsava', Department had organised Tree planting in college campus. • Many of the students participate in social responsibility through the activities coordinated by N.C.C and N.S.S.
35	SWOC Analysis of the Department and Future Plans. ***Strength***: 1) Highly equipped Instrumentation and Process control lab and Microprocessor and microcontroller interfacing lab which moulds students to work in industries. 2) Good student teacher relationship.

3) Good participation in research activities and innovative project works.
4) Faculty with willingness to take challenging assignments and creative applications.
5) Dynamic and active students.
6) The merit scholarships and cash awards helps students to develop their inner skills more effectively.
7) Department library with plenty of reference and text book, periodic journals and news papers.
8) Central computer laboratory with free internal access for students.

Weakness:

1) Lack of English communication skill is the major setback of the student's growth.
2) Insufficient Space in the practical labs
3) Limitation of opening job oriented and skill development courses for the students.
4) Aptitude of the students for higher learning is poor

Opportunities:

1) A good number of the students get through the Competitive examinations and obtain good positions in India and Abroad.
2) Majority of students clears state and national level PG entrance Examinations and get admissions in leading universities like CUSAT, Pune University etc.
3) To introduce job oriented and skill development, self employed courses and other emerging subjects
4) The Add on courses coaching and IQAC programmes also aiding them for self-employment.
5) Research and extension activities in the field of Instrumentation and process control areas
6) Staff strength and enterprising nature is a strong opportunity

Challenges:

1) To provide good job opportunities to the degree holders.

	2) To start research activities for the development of the faculty members with available facilities in collaboration with nearby Universities and research institutes. ***Future Plan***: 1) Development in infrastructure facilities 2) To conduct seminars, symposium and conferences in industry related areas. 3) To conduct professional training and research programmes in various subjects for the benefit of students. 4) To introduce Master Degree programme in Instrumentation 5) To Provide PLC and SCADA training programs to students so that they can meet the current industry requirements.

DEPARTMENT OF PHYSICS

1	Name of the Department			Physics	
2	Year of Establishment			1967	
3	Name of Programmes/courses offered			B.Sc. Physics	
4	Names of interdisciplinary courses and Departments involved			Complementary courses for BSc. Chemistry and Instrumentation	
5	Annual/Semester/Choice based credit system			Choice based Credit System	
6	Participation of the Department in the courses offered by other Departments			All departments – Common course, open course	
7	Courses in collaboration with other Universities, industries, foreign institutions etc			Nil	
8	Details of courses/programmes discontinued			Nil	
9	No: of teaching posts sanctioned/filled				
	Sanctioned	**Filled**		**Guest/**	
	4	4		Nil	
10	Faculty Profile				
	Name	Qualification	Designation	Specialisation	Experience
1	Dr. K. Vasudevan Pillai	MSc. MPhil. PhD	Associate Professor	Electronic instrumentation, Solar energy utilization,Water conservation techniques	30 Years
2	Jayalakshmy A.	MSc. NET BEd	Associate Professor	Electrodyamics, Molecular spectroscopy, Solid state devices	22 Years

3	Dr. Rajesh R.	MSc. MBA PhD MCSE MCTS	Assistant Professor	Electronic instrumentation, Conductivity and Dielectrics, Impedance Spectroscopy	7 Years
4	Sowmya C.K.	MSc NET BEd	Assistant Professor	Classical mechanics, Quantum mechanics, Scripting languages	2 Years

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	UG- 20:1
14	No: of academic support (technical) /administrative staff	2
15	Number of teaching faculty with M.Phil/PhD	Ph.D - 2
16	Number of faculty with projects from National/ International funding agencies and grant received	National: 1

	Principal Investigator	**Funding agency**	**Grant**	**Status**	**Duration**
1	Dr. K. Vasudevan Pillai	UGC	1,80,000/-	Completed	2 Years

17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.	Nil
18	Research Centre/facility recognized by the University	Nil
19	Publication Details	Journals: 4 Conference Proceedings: 6 Books : Nil

Peer Reviewed Journals

Year	***Title/Journal/ Conference proceedings***	***Name***	***National/ International***

2011-12	Crystal Research and Technology, 46 (10), 1027-1034, 2011	Dr.Rajesh.R	***International***
	Proceedings of DAE BRNS Symp. on Nucl. Phys. (Andhra University., India) V56 1164 (2011)	Dr.Biju.R K	***National***
	Proceedings of DAE BRNS Symp. On Nucl. Phys. (Andhra University., India) V**56** 298 (2011)	Dr.Biju.R K	***National***
	Proceedings of UGC Sponsored National seminar on Current trends in organization of knowledge (PRNSS College, Mattanur, India) 2011	Dr.Biju.R K	***National***
	UGC Sponsored national seminar on EOSN (PRNSS College, Mattanur) 167 (2011)	Dr.Biju.R K	***National***
2012-13	International Journal of Science and Nature	Dr Vasudevan Pillai	***International***
2013-14	Proceedings of 26th Kerala Science Congress, Pookode Wayanadu	Dr Vasudevan Pillai	***National***
	Proceedings of National conference on Natural Resources Management : A key to Sustainability at Assumption College Changanassery	Dr Vasudevan Pillai	***National***

2014-15	International Journal of Advanced Research	Dr Vasudevan Pilla	International
2015-16	IOP Conf. Ser.: Materials Science and Engineering 73 (1), 012108, 2015	Dr Rajesh R	International

20	Areas of consultancy and amount generated	Water testing by Water Education Centre
21	Faculty as members in National/International CommitteesandEditorial Boards	
	Name of Faculty	***Committee/Board***
1	Dr. K Vasudevan Pillai	1) Resource faculty for Central Ground Water Board, Govt. of India 2) Resource faculty for Integrated Rural Technology Centre (IRTC)- Mundoor Palakkad 3) Coordinator –NGPE - IAPT and APT
2	Jayalakshmy A.	4) Coordinator - NGPE - IAPT and APT

22	Student Projects:				
	% of Students who have done in-house / inter-departmental programme				
	2011-12	***2012-13***	***2013-14***	***2014-15***	***2015-16***
	50%	50%	50%	50%	50%
	% of students placed for projects in organisations outside the institution (Research laboratories/ industries etc)				
	2011-12	***2012-13***	***2013-14***	***2014-15***	***2015-16***
	50%	50%	50%	50%	50%

23	Awards/Recognitions received by faculty/ students		
	Name	**Faculty/Student**	**Award/Recognition**
1	Balakrishnan	Student	1) Inter-zone Mrudangam

			(Calicut Univ) – 2nd Prize 2) A-zone Mrudangam (Calicut Univ) – 1st Prize
2	Anupama	Student	1)A-zone – Hindi Essay writing (Calicut Univ) – 2nd Prize
3	Vishnu Gopal	Student	1)A-zone – Cartoon (Calicut Univ) – 1st Prize
4	Sneha Kuriakose and Rekha R. Nair	Students	National level symposium (Nehru arts and science) – Physics Project – 3rd Prize

24 List of eminent academicians and scientists/ visitors to the Department

	Academician/ Scientist	**Occasion**
1	Dr. K.C. Ajith Prasad Asso. Professor, M.G. College, Thiruvananthapuram	Lecture series
2	Dr. V.M. Anandkumar Asso. Professor, M.G. College, Thiruvananthapuram	Lecture series
3	Dr. K.N. Sreekanthan Asso. Professor, N.S.S. College, Manjeri	Lecture series

25 Seminars/ Conferences/ Workshops organized and the source of funding- Nil

26 Student Profile Programme/Course wise

	Name of Programme	Year	Application received	Selected	Enrolled		Pass (%)
					Male	Female	
	B.Sc Physics	2011-12	786	22	3	19	84
		2012-13	818	22	7	15	74
		2013-14	CAP	24	8	16	82
		2014-15	CAP	20	9	11	90.5
		2015-16	CAP	25	3	22	91

27 Diversity of Students

	Name of	***Year***	***% of students***

	Programme		*From same state*	*Other states*	*Abroad*
	B.Sc Physics	2011-12	100		
		2012-13	100		
		2013-14	100		
		2014-15	100		
		2015-16	100		

28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)			
	NET	-	SLET	-
	Gate	-	Civil services	-
	Defense services	2	PSC	6
	UPSC	1	Others	19

29	Student progression Percentage of students progressing to higher education or employment					
		2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**
	UG to PG	43%	56%	64%	56%	53%
	Employed	44%	47%	31.5%	-	-
	Entrepreneurship/ Self employment	22%	37%	31.5%	-	-

30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation) **Library** • Departmental library with full time access to students • 1526 books from different disciplines of Physics, Electronics, Instrumentation, Information Technology, Non-conventional energy sources etc.

	ICT • Projector – a) LCD – 1 b) OHP – 1 • Computer – a) Desktop – 4 b) Net book – 1 • Net setter – 1 • Printer – 2 **Laboratory** • 3 well equipped labs namely 1) General Physics lab 2) Optics and Spectroscopy lab 3) Electronics and Instrumentation lab **Instrumentation** Major instruments include • Spectrometer – 6 • Diode –laser -1 • Oscilloscope – 6 • Function generator – 13 • Digital Photo Coloimeter • Scientific digital LCR meter • Microprocessor training kits • Digital and linear IC training kits • Power supply units - 14
31	Number of students receiving financial assistance from college/ University/ Government or other agencies

	Year	***No: of Students***
	2011-12	48
	2012-13	46
	2013-14	55
	2014-15	48
	2015-16	51
32	Details on Student Enrichment Programmes	

	Year	*Programme*	*Experts*
1	2011-12	Seminar on Foundations of quantum mechanics	**Dr. K.C. Ajith Prasad** Assc. Professor, M.G. College, Thiruvananthapuram
2	2012-13	Seminar on Fundamentals of nanomaterials	**Dr. V.M. Anandkumar** Assc. Professor, M.G. College, Thiruvananthapuram
3	2013-14	Object oriented programming and basics of python	**Dr. K.N. Sreekanthan** Assc. Professor, N.S.S. College, Manjeri
4	2014-15	World science day for peace and development	**Dr. K. Vasudevan Pillai** Assc. Professor, N.S.S. College, Nemmara
5	2015-16	Seminar on Merits and demerits of scripting languages	**Dr. K.N. Sreekanthan** Assc. Professor, N.S.S. College, Manjeri
33	Teaching Methods to improve student learning • Active learning with collaborative/cooperative approach • Developing critical thinking/reasoning ability • Adopting discussion strategies andexperiential learning • Learning through simulations for testing/development • Inquiry-guided learning • Interdisciplinary teaching along with hybrid courses • Lecture strategies with learner-centered approach • Problem-based learning, analysis and interpretation methods • Service learning – science to society approach • Using social online/networking tools . • Teaching diverse students andteaching with cases • Team teaching and team-based learning		
34	Participation in institutional social responsibility and extension activities • Science popularization project entitled “Characterization of Water Resources in ElavancherryGramaPanchayat of Palakkad District has		

	been carried out with a view to develop an eco-friendly Pollution abatement Water Conservation and Management" sponsored by KSCSTE,Trivandrum. • **Provides consultation services** for 1. Designing and installation of Improvised Roof Top Rain Water harvesting systems. 2. Popularization of efficient irrigation methods through participatory approach. 3. Evaluation of water quality index and suitability index of ponds for their utilization in rural drinking water schemes. 4. Active participation of students in NCC and NSS which organizes different levels of social activities regularly
35	SWOC Analysis of the Department and Future Plans **Strengths** • Highly qualified faculties with inter-disciplinary research prospects • Fully functional general/electronics lab with highly competitive library facilities • Meritorius students with dedication and focus to academics as well as co-curricular activities • Availability of latest and advanced learning tools (ICT based) with adequate provision for improvement **Weaknesses** • Unilateral decision on the part of the university to enhance the student strength to statutory maximum has lead to problems with regard to infrastructure • Provisions for improving class room facilities to highly competitive standards • Transfer/retirement vacancies of staff needs to be filled in a timely manner • Being an under developed rural area socio-economic growth standards of the families of majority students are below average **Opportunities**

- Teaching skills as well as research aptitude of faculty can be improved in a timely and relevant manner through resources offered by central/state academic bodies for higher education
- Exploitation of various central/state funding agencies for infrastructure development
- Being located in rural outskirts effective transfer of scientific knowledge to society possible with minimum financial burdens
- Job oriented training programmes for students as well as developing the department to PG level and research centre thereby providing equal opportunities for students in rural area

Challenges

- Socio-economic background of vast majority of students needs to be properly addressed so that everyone's potentials can be equally developed
- Lack of adequate family support in academics for a large class of students need to be overcome by a collective effort of faculty
- Students needs to be motivated always with the opportunities for higher studies as well as job openings so that they support their family/society at the earliest
- Infrastructural developments with proportionate student-teacher ratio needs to be implemented while increasing student strength due to high demand

DEPARTMENT OF MATHEMATICS

1	Name of the Department		MATHEMATICS
2	Year of Establishment		1967
3	Name of Programmes/courses offered		UG-BSc Mathematics PG-MSc Mathematics
4	Names of interdisciplinary courses and Departments involved		Complementary courses to B.Sc Physics and Chemistry students, Open course for all Departments
5	Annual/Semester/Choice based credit system		Choice based Credit Semester System
6	Participation of the Department in the courses offered by other Departments		All Departments-Common courses and Open course
7	Courses in collaboration with other Universities, industries, foreign institutions etc		Nil
8	Details of courses/programmes discontinued		Nil
9	No: of teaching posts sanctioned/filled		
	Sanctioned	**Filled**	**Guest/Temporary**
	9	7	2

10	**Faculty Profile**				
	Name	Qualification	Designation	Specialisation	Experience
1.	Dr.Lalitha. K	M Sc, M. Phil, Ph D	Associate Professor	Stochastic modelling	29 Yrs

2.	Balakrishnan.A	MSc	Associate professor	Functional Analysis	28 Yrs
3.	Madhavadas.M	M Sc, B Ed,JRF	Assistant Professor	Pure Mathematics	5 Yrs
4.	Rasmi.M	M Sc,NET	Assistant Professor	Algebra	3 Yrs
5.	Vysakh.C	M Sc,NET	Assistant Professor	Topology	3 Yrs
6.	Ramya.P	M Sc, JRF	Assistant Professor	Ordinary Differential Equation	2 Yrs
7.	Sangeetha.C	M Sc, B Ed, JRF	Assistant Professor	Functional Analysis	1 Yr
8.	Padma.R.S	M. Sc, NET	Guest Lecturer	Differential Geometry	1 Yr
9.	Remya.R	M. Sc	Guest Lecturer	Probability Theory	1 Yr

11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty					
		2011-12	2012-13	2013-14	2014-15	2015-16
	Theory	38	38	-	22	22

13	Student-teacher ratio	UG- 32:1 PG- 6:1
14	No: of academic support (technical) /administrative staff	Nil
15	Number of teaching faculty with M.Phil/PhD	Ph.D - 1
16	Number of faculty with projects from National/	

	International funding agencies and grant received	NIL
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.	NIL
18	Research Centre/facility recognized by the University	NIL

19	Publication Details	
	Peer Reviewed Journals	Nil
	Non-Peer Reviewed Journals	Nil
	Conference Proceedings	1

20	Areas of consultancy and amount generated	Nil	
21	Faculty as members in National/International Committees /Editorial Board		
	Dr. K Lalitha, Member, PG Board of Studies, University of Calicut, Chairperson, C.V camp, M.Sc Mathematics		
22	Student Projects:		
	% of Students who have done in-house / inter-departmental programme	UG	PG
		100%	100%

23	Awards/Recognitions received by faculty/ students		
	Name	**Faculty/Student**	**Award/Recognition**
1.	Padma.R.S	Student	B Sc First Rank, 2012, M Sc second Rank,2014.
2.	Karthik.A.R	Student	Selected as Mr. Palakkad on the Palakkad district body building championship.
3.	Gopi.K	Student	Selection for state senior Volleyball Championship (2014-15), Got selection in the senior/youth state VolleyBall Championship (2013-14).

4	Akshaya Gopalakrishnan K	Student	Participated in world cultural festival at Delhi and had got Guinness world record
5	Omana P.S.	Student	First Rank in B.Sc. Mathematics, 2011

24	List of eminent academicians and scientists/ visitors to the Department	
	Academician/ Scientist	**Occasion**
1.	Dr. Sunny kuriakose, Academic secretary,KMA	National Seminar
2.	A.K.Nandakumaran, Mathematician, IISC Bangalore	National Seminar
3.	K.S.S Moosath, Mathematician,IIST, TVM	National Seminar
4.	Dr.Paul Isaac, Assistant Professor, Bharat Matha College, Cochin	National Seminar
5.	Sajith.G, Assistant Professor,S.S College,Areekkode	National Seminar
6.	Dr.Anuradha.S, Associate Professor and HOD, Hindusthan College of Arts and Science	National Seminar
7.	J.Murugesan, HOD, Nachimuthu Polytechnic College, Pollachi	Lecture On Differential equations
25	Seminars/ Conferences/ Workshops organized and the source of funding UGC Sponsored National Seminar on "Geometric Analysis, December, 2nd and 3rd, 2014	

26	Student Profile Programme/Course wise						
	Name of Programme	Year	Application received	Selected	Enrolled		Pass (%)
					Male	Female	
	B.Sc Mathematics	2011-12	360	43	13	30	94
		2012-13	395	43	12	31	72
		2013-14	CAP	44	10	34	75
		2014-15	CAP	39	11	28	54
		2015-16	CAP	48	15	33	68
	M.Sc	2011-12	CAP	10	1	9	75

	Mathematics	2012-13	63	13	-	13	71
		2013-14	52	8	-	8	85
		2014-15	CAP	12	1	11	100
		2015-16	CAP	14	-	14	100

27	Diversity of Students				
	Name of Programme	***Year***	***% of students***		
			From same state	***Other states***	***Abroad***
	B.Sc	2011-12	100	-	-
		2012-13	100	-	-
		2013-14	100	-	-
		2014-15	100	-	-
		2015-16	100	-	-
	M.Sc	2011-12	100	-	-
		2012-13	100	-	-
		2013-14	100	-	-
		2014-15	100	-	-
		2015-16	100	-	-

28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)	
	NET	1
	Gate	1
	Defense services	4
	PSC	11
	Others	23

29	Student progression Percentage of students progressing to higher education or employment					
		2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**

	UG to PG	45	42	44	40	38
	Employed	22	20	19	16	-

30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/Instrumentation) Department has a good collection of reference books made readily available for students. Computers with internet facility and printers for project and reference purpose.					
31	Number of students receiving financial assistance from college/ University/ Government or other agencies					
	Year	2011-12	2012-13	2013-14	2014-15	2015-16
	No: of Students	33	39	41	34	56

32 Details on Student Enrichment Programmes

Year	***Programme***	***Experts***
2011-12	1. Maths Quiz for all students in the college as a part of Ramanujan's Day celebrations 2. Daily Quiz to improve mathematical skills of students 3. One day seminar on "Basics in Real Analysis". 4. A Debate on the Topic "Effect of Discipline Measures on students"	Devadas, Asst. Professor, SN College,Alathur
2012-13	1. Math's Quiz for all students in the college as part of Ramanujan's celebrations 2. Daily Quiz to improve students' mathematical ability 3. A Debate on the Topic "Teacher- Student relationship". 4. One day seminar on "Mathematics in Daily life".	Aravidakshan, Associate Professor,NSS college,Ottapalam
2013-14	1. Math's Quiz for all students in the college as a part of Ramanujan's day celebrations	

		2. Daily Quiz to improve students mathematical ability 3. A Debate on the Topic "Women Empowerment" 4. NET Coaching Class for MSc Students	
	2014-15	1. Math's Quiz for all students in the college as part of Ramanujan's day celebration 2. To improve students mathematical ability we organize Daily Quiz 3. NET Coaching Class for MSc Students. 4. JAM, CAT coaching for B.Sc students	
	2015-16	1. A class was conducted on the topic differential equation for degree students on 18-01-2016 2. General Quiz for all students in the college on 29-02-2016 asa part of Science day celebrations. 3. A talk on "Application of Mathematics" on 11-06-2015 4. To improve students mathematical ability we organize Daily Quiz 5. NET Coaching class for MSc Students. 6. JAM,CAT NBHM, Coaching for B.Sc students 7. Student's Magazine	J.Murukesan HOD,Nachimuthu Polytechnic College, Pollachi
33	Teaching Methods to improve student learning On the basis of the aptitude test first year students are classified as below average, average, good and excellent. Simultaneously tutors are also appointed for that class. It is the responsibility of the tutor to keep track of the progress of the students. Periodical test papers, terminal exams and model exams are other measures of assessing and evaluating students' for improving the academic levels. Personality development classes are conducted on a regular basis.		

	Retired hands and teachers from other colleges are often invited to give lectures. Their rich experience has proved highly beneficial to the students
34	Participation in institutional social responsibility and extension activities NSS- Many of the students are active members of the NSS Units NCC- Many students are NCC Cadets. Visit Old age Homes.
35	SWOC Analysis of the Department and Future Plans **Strength** • A good relationship between Teachers, students and parents. • Over the years this Department had the opportunity to present high-valued faculty members whose classes are still fresh in minds of the yester year student's, we try to continue that legacy, with the help of those stalwarts who continue to shower their wisdom whenever they visit us. • Fully dedicated and qualified faculty members are the back-bone of this department, and each of trying to outnumber the other in developing the skills of students, in and outside the syllabus. • We conduct programmes to enrich the skills and knowledge of the students and teachers in the area of study through seminars, monthly talks by experts. • We have a good Department Library, to supplement the Central Library, which will cater to the needs of students (PG in particular) and teachers of our Department. The Department faculty do issue books to students and do all the related work as there are no provisions for even a supporting Library staff. It is the student's needs that inspire us to this extra work. • We do have a VPN connection with three dedicated systems through which the World Wide Web opens all its windows. This helps both the faculty and the students. • The Unity of staff in upholding the legacy to fulfill the needs of students and uplift them to attain higher goals • We organize classes for motivating the students' soft skills so that they

could face the future with confidence.

- A well-oiled tutorial system that helps the students to overcome their difficulties in learning and which supports them throughout their student life and beyond.
- Parents of our students support us in all our endeavors with all their means.
- Look beyond Mathematics-We go beyond the topic of Mathematics in classes and we do conduct weekly discussion on topics of social relevance which has a direct bearing on the lives of one and all.
- We regularly bag University ranks and our alumni are a testimony to the values we impart.
- Majority of students are women.

Weakness

- Majority of students are from economically and socially backward families and in many cases they are the first generation students in their family to get enrolled for Graduation.
- Lack of infrastructure curbs our ambitions.
- Majority of faculty members are less experienced and this may create issues in facing complex situations in day to day activities.
- Access to Major research centers and parent University are limited by the geographical distances.

Oppurtunities

- Creating the first generation of graduates in the families of a majority of students and thus igniting the spirit of knowledge in lowest strata of the society.
- As major portion of the students are female so their uplift could re-write the future generation.
- Department has young faculty who could take up new challenges in moldings the future of the students.
- Interaction with all groups of society through imparting the skills to the much needed.
- Many faculty members have the opportunity to do research work and

attain higher standard to enable students attain a higher level of knowledge.

Challenges

- Basic science courses are less in demand among the young generation. So to attract young talent to mathematics course remains a big challenge.
- The abstract nature of subject makes it difficult to comprehend, once he/she develops a prejudice to it. Traditional skeptical belief that Mathematics is difficult adds fuel to fire.
- Lack of introduction to the advance Mathematics topics in High School and inter-mediate level is a severe handicap.
- Ever increasing number of students at the whims of University or Government increases the student teacher ratio, which directly dilutes the quality of support the students get.
- Basic minimum infrastructure is a major challenge.

Future Plans

- To conduct more workshop to students and teachers of lower classes so that a future generation interested in Mathematics is groomed.
- Provide CSIR-NET coaching for students which would be beneficial for all students in the locality.
- Take up research work to attain in-depth knowledge in Mathematics and to seek opportunities in inter disciplinary research.
- Increase the number of faculty members with research degrees.
- Conduct more seminars and workshops for students.

DEPARTMENT OF ZOOLOGY

1	Name of the Department		Department of Zoology
2	Year of Establishment		1967
3	Name of Programmes/courses offered		B.Sc Zoology
4	Names of interdisciplinary courses and Departments involved		Open course, Complementary Course All Departments
5	Annual/Semester/Choice based credit system		Choice based Credit System
6	Participation of the Department in the courses offered by other Departments		Common course, Open course, Complementary course-All Departments
7	Courses in collaboration with other Universities, industries, foreign institutions etc		Nil
8	Details of courses/programmes discontinued		Nil
9	No: of teaching posts sanctioned/filled		
	Sanctioned	**Filled**	**Guest (Contract basis-PTA)**
	3	3	1

10	Faculty Profile				
	Name	**Qualification**	**Designation**	**Specialization**	**Experience**
1	Dr. Lekshmi R Chandran	M. Sc, M. Phil, Ph. D, NET, SET, B. Ed	Assistant Professor	Environmental Biology	8 Years
2	Seema Menon	M. Sc, CSIR-JRF/NET, SET, B. Ed	Assistant Professor	Entomology	3 years
3	Resmi S Nair	M. Sc, NET, B. Ed, SET	Assistant Professor	Fish Biology and Fisheries Science	3 years
4	Swapna	M. Sc	Guest Lecturer	Genetics	6 months

11	List of senior visiting faculty	Nil
12	Percentage of lectures delivered and practical classes handled (Programme wise by temporary faculty	

Year	**2011-12**		**2012-13**		**2013-14**		**2014-15**		**2015-16**	
	T	**P**	**T**	**P**	**T**	**P**	**T**	**P**	**T**	**P**
	18.51	18.75	7.4	12.5	18.51	18.75	7.4	12.5	18.51	18.75
	T: Theory; P: Practical									

13	Student-teacher ratio	1: 20
14	No: of academic support (technical) /administrative staff	2
15	Number of teaching faculty with M.Phil/PhD	Ph.D - 1
16	Number of faculty with projects from National/ International funding agencies and grant received	National: 1

	Principal Investigator	**Funding agency**	**Grant**	**Status**	**Duration**
2011-2012	Dr. Lekshmi R Chandran	UGC-	2,20,000	Completed	18 months + 3 months extension

17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.	Nil
18	Research Centre/facility recognized by the University	Nil

19	Publication Details	
	Title Journal/ Conference proceedings/Books	***National/ International***
	Peer reviewed	
	Usha Bhagirathan, et al. Impact of bottom trawling on the epifauna off Veraval coast, India. *Indian Journal of Geo-Marine Sciences*. 43(2), 294-309. 2014. NAAS Impact factor:6.9	***National***

	Usha Bhagirathan, et al. Observations on bio-optical properties of a phytoplankton bloom in coastal waters off Cochin during the onset of southwest monsoon.*Indian Journal of Geo-Marine Sciences.* 43(2), 289-296 (2014) NAAS Impact factor:6.9	***National***
	Seema Menon et al Phytochemistry and evaluation of *in vivo* antioxidant and anti-inflammatory activities of *Oroxylum indicum* Vent. root bark (2015). *Journal of Chemical and Pharmaceutical Research*. 7(10): ISSN : 0975-7384 767-775(2015)SJR 0.14	***International***
	Seema Menon et al, Antithrombotic and anticoagulant activities of *Desmodium gyrans* (DC).*Journal of Chemical and Pharmaceutical Research* ISSN: 0975-7384, 7(5):973-980. (2015).SJR 0.14	***International***
	Seema Menon et al Study of antioxidant and anti-inflammatory activities of methanol extract of *Desmodium gyrans* (DC). *Journal of Chemical and Pharmaceutical Research*, , 7(9): 227-234 (2015). SJR 0.14	***International***
	Seema Menon et al, Enhancement of functional HDL contributing to anti-atherogenic efficacy of *Desmodium gyrans* DC. *World journal of Pharmacy and Pharmaceutical Sciences* ISSN: 2278 – 4357 4(1). (2015). Impact factor 0.19	***International***
	Seema Menon et al, Inhibition of Dimethylbenz(a)anthracene (DMBA) – Croton Oil-Induced Mouse Skin Tumorigenesis by *Gmelina arborea* with Potential Anti-Inflammatory Activity. *Journal of Environmental Pathology, Toxicology and Oncology*, 35(3), 263–272 (2016). Impact factor 1.246	***International***
	Seema Menon et al, *In vitro* and *in vivo* antioxidant potential of *Gmelina arborea* stem bark. *Journal of Chemical and Pharmaceutical Research*, 8(6):167-	***International***

	172(2016).SJR 0.14	
	Seema Menon et al, Attenuation of DMBA/croton oil induced mouse skin papilloma by Apodytes dimidiata mediated by its antioxidant and antimutagenic potential. *Pharmaceutical Biology*54(9):1564-74 (2016). Impact factor 1.241	***International***
	Seema Menon et al, Radical scavenging and gastro protective activity of methanol extract of *Gmelina arborea* stem bark. *Journal of Ayurveda and Integrative Medicine* 7, 78-82 (2016).Impact factor 0.98**,** SJR 0.291	***International***
	Non Peer reviewed	
	Lekshmi R Chandran et al., *Inter familial affinity of Western GhatsSiluriformes based on mitochondrial DNA markers*.Extended abstract of 22nd Kerala Science Congress2011	***National***
	Radhika R et al., *Decadal changes in pelagic copepod distribution in the EEZ West Coast of India*, 2nd Climate Change International Symposium, 2012	***International***
	Lekshmi R Chandran et al., *Reproductive Characters of Yellow Catfish Horabagrus brachysoma (horabagridae) from Periyar river, WesternGhats*. Journal of Aquatic Biology and Fisheries, Vol. 2(1) 2014: 154-161	***International***
	Lekshmi R Chandran, et al., 2014*Inter familial affinity of Western Ghats Siluriformes based on mitochondrial16 S and CO1genes*, Proceedings of Indian Biodiversity Congress. Chennai	***National***
	Usha Bhagirathan, et al., *An appraisal of fishing craft, gear and fish landings of Mangalam reservoir, Palakkad district*. In Proceedings of the National Conference on Modern Trends in Zoological Research. p. 157-161. ISBN No. 978-81-909551-8-8, 2014	***National***
	Lekshmi R Chandran, et al., *An appraisal of fishing craft,*	

	gear and fisheries of Mangalam reservoir, Palakkad district, Proceedings of Milleneum Zoology, UGC sponsored Seminar. March, 2014	***National***
	Seema Menon, et al., *Anti-ulcer propertyof methanolic extract of Gmelina arborea stem bark,* Amala Research Bulletin 33, ISSN: 0971-4987, 59-64. (2014)	***Regional***
	Seema Menon, et al, *Methanolic extract of Oroxylum indicum root bark ameliorates hepatic damage induced by the analgesic, para-acetyl aminophenol in murine models*, Proceedings of the National Conference on modern trends in Zoological Research. ISBN no. 978-81-909551-8-8, 13-16. (2014).	***National***
	Seema Menon, et al., *Effect of Gmelina arborea Roxb. on skin tumorigenesis*, Proceedings of the National Conference on modern trends in Zoological Research. ISBN no. 978-81-909551-8-8, 54-56. (2014)	***National***
	Seema Menon, et al. *Evaluation of in vivo anti-oxidant properties of Oroxylum indicum Vent. root bark*, Amala Research Bulletin 34, ISSN: 0971-4987, 139-143. (2014).	***Regional***
	Seema Menon et al, *Anti-oxidant and anti-inflammatory activities of methanolic extract of Gmelina arborea Roxb stem bark*, Amala Research Bulletin 34, ISSN: 0971-4987, 37-44. (2014)	***Regional***
	Seema Menon et al, *Protective effect of Desmodium gyrans DC in doxorubicin induced cardiomyopathy and isoproterenol induced myocardial infarction*, Amala Research Bulletin 34, ISSN: 0971-4987, 107-114. (2014).	***Regional***
	Resmi S Nair et al. *Bioefficacy of selected ecofriendly botanicals in the management of rice weevil, Sitophilus Oryzae (L.) (Coleoptera: Curculionidae*. *Journal Scientia* (ISSN: 0976-8289) (2015)	***Regional***
	Seema Menon et al, *Induction of morphogenic callus and*	

	plantlet regeneration of Gmelina arborea Linn. Amala Research Bulletin 35, ISSN: 0971-4987, 39-44 (2015).	***Regional***
	Resmi S Nair et al. *Ethno- botanicals for pest control: efficacy of certain plant leaf powders on the rice weevil, Sitophilus oryzae (L) (coleoptera:curculionidae).* ISBN:978-93-5254-247-5,pp86-88 (Proceedings of U.G.C. National seminar on Biodiversity Conservation-Threats and challenges, UNASEB-2015 conducted by Dept. of Zoology, University College ,T.V.P.M)	***Regional***
	Resmi S Nair et al, *Efficacy of powdered leaves and extract of Glycosmis pentaphylla in suppressing infestations of rice weevil Sitophilus oryzae (L.) (coleoptera: curculionidae).* (Proceedings of U.G.C. National seminar on Insight into recent trends in biological sciences and technology-2015 conducted by Dept. of Botany,University College ,T.V.P.M)	***National***
	Resmi S Nair et al., *Ethno- botanicals for Pest Control: Pesticidal effect of plant Powderand extractin Suppressing Infestations of Rice Weevil Sitophilus oryzae (L.) (Coleoptera).* (Proceedings of U.G.C. National seminar on Oushadi-2015 conducted by Dept. of Botany, N.S.S College, Nemmara, Palakkad	***National***
	Resmi S Nair et al., *Efficacy of different extracts of Glycosmis pentaphylla on the rice weevil, Sitophilus oryzae (L.) (Coleoptera: curculionidae).J. Scientia* (ISSN: 0976-8289) (2016)	***Regional***
	Title/Book	
	Lekshmi R Chandran et al. "Perspectives on Biodiversity of India" Vol II, Part1, *Biodiversity Documentation And Taxonomy*. Chapter- 1, Page 160	**ISBN No: 978-81-929896 2-4**

20	Areas of consultancy and amount generated	Ornamental fish farming,

		Biodiversity Assessment, Rs 10,000
21	Faculty as members in National/International Committees Editorial Boards	NIL
	Name of Faculty	***Committee/Board***
1	Dr. Lekshmi R Chandran	Member of Board of Studies in Microbiology, University of Calicut; Question setter for Kerala University PG, M Phil Bioinformatics
22	**Student Projects:**	
	% of Students who have done in-house / inter-departmental Programme	100 %

23	Awards/Recognitions received by students		
Year	**Name**	**Item**	**Award/Recognition**
2011-12			
1.	Shiju K	Quiz	First prize in Mannam memorial Inter Collegeate Quiz competeion held in NSS College Ottappalam
2012-13			
2	Vishnu Prasad	Drama	Selected to International theatre festival at Delhi National School of Drama-2012
2013-14			
1	Sunila and Rajeev	Quiz	First prize in Mannam memorial Inter Collegiate Quiz competition held at NSS College Ottappalam
2	Balanidhi Balachandran	Essay	First prize in State level Essay completion organized by Readers Digest
3	Vishnu Prasad	Drama	Performed in Mumbai Pune National Theatre fest-2014

2014-15			
1	Vishnu Prasad	Drama	Selected for National Cultural Festival organized at Calcutta hosted by West Benga govt.l
2	Sini G Nath	Music	Second Prize in Patriotic song, Group song, Mappilappattu. A-Zone A grade in Patriotic song (Interzone)
3	Sneha	Academics	3rd Rank in Uty Exam/ District topper award,
2015-16			
1	Bincy baby	Colash	First Prize in A Zone competition University Level
2	Sneha S	NCC	National Camp Selection Darjling, Pre- RD -1 west Hill

24	**List of eminent academicians and scientists/ visitors to the Department**	
2011-2012		
	Dr. Sree Nathan, Associate professor, N.S.S. Engineering College, Palakkad.	Genomic Signal Processing
	Saritha Nampoothiri, Faculty, Computer Science, VTB College, Palakkad.	Proteomics
	Shidhi P S, SRF, Department of Bioinformatics, University of Kerala, Trivandrum	Computer aided drug designing
	Baharak Goli, (from Iran) Faculty, Department of Bioinformatics, University of Kerala, Trivandrum	Databases in Bioinformatics
	Dr. P.R. Padma, Professor, Department of Biochemistry, Bioinformatics and Biotechnology, Avinashalimgam University for Women Studies, Coimbatore, Tamilnadu.	An overview on Bioinformatics and tools of Basics, sequence and structure analysis

	Dr. P. Radha, Assistant Professor, Department of Biochemistry,Biotechnology and Bioinformatics Avinashalimgam University for Women Studies, Coimbatore, Tamilnadu	Analyzing Protein Sequences and structure on a bioinformatics platform
	Dr. Jaya Kumar Natarajan, Associate Professor, Data and Text Mining Lab, Bharathiyar University	Micro Array Bioinformatics
2012-2013		
	Dr Ajitha, Asst. Prof in Zoology- Govt College Chittur	Biotechnology
	Dr Lekshmi Priyadarshini Asst. Prof in Zoology- Govt College Chittur	Genetic Engineering
	Dr R Nishi, Associate Professor and HOD, PG Dept. of Zoology, SN College, Alathur	Human Genomics
2013-14		
	Dr. S Sankar, Senior Scientist, KFRI, Peechi, Thrissur	Need for conservation of natural resources
	Dr. Gayathri Elayidam, Asst Professor in Zoology, NSS College, Ottappalam, Palakkad	Global Environmental Issues
	Dr. Ramachandran K, Asst. Professor, central University, Kasargode	New Trends in Biology
2014-2015		
	Dr Anvar Ali, , Fisheries Inspector, Kochi	
	Dr Bindu L, Asst. Professor, MSM college, Kayamkulam Dr SreeRenjith Kumar, HOD, Zoology, Govt. Victoriya College, Palakkad	
	Dr S Jayasree, HOD, Zoology, Mercy college Palakkad	
	2015-2016	

	Dr. G Prasad, HOD, Dept. of Zoology, University of Kerala, Kariyavattom, Thiruvananthapuram	
	Dr Sreejith S, University of Kerala, Kariyavattom, Thiruvananthapuram	
	Dr. P. R. Sree Mahadevan Pillai, (Dean of Engineering, University of Calicut, Professor, NSS Engineering College, Palakkad	"Make in India: Innovations in science and Technology."
	Dr. Vishnu R, Asst. Professor, Dept of Physics, Sree Krishna College, Guruvayoor	'Lightning as a provincial atmospheric hazard"
	Dr. Manu R, Asst. Professor in Chemistry, Sree Vyasa College, Vadakkanchery	Nano C – Science ' Research'
	Dr. R Nishi, Associate Professor and HOD, PG Dept. of Zoology, SN College, Alathur	Recent Challenges and scope of basic Biological Sciences
	Dr. P Pramod Nair, Senior Scientist, Salim Ali Centre for Ornithology and Natural History, Coimbatore	"Biodiversity Conservation"
	Dr. Francy Kakkassery, Associate Professor and Head, Dept. of Zoology, St Thomas College, Thrissur	"Insects: Wonders of nature"
	Dr. Muhamed Jafer Palot, Assistant Zoologist, Western Ghat Regional Centre Zoological Survey of India, Calicut	"Illegal Wildlife Trade in Kerala"

25 **Seminars/ Conferences/ Workshops organized and the source of funding**

	Event	**National/ Regional**	**Funding Agency**	**Year**
	Biology in Silica –Bioinformatics Concepts, Skills and Applications	**National**	**UGC**	**2011-12**
	Seminar- Science popular lectures as part of national Science day	**Regional**	**KSCSTE**	**2015-16**

26	Student Profile Programme/Course wise						
	Name of Programme	**Year**	**Application received**	**Selected**	**Enrolled**		**Pass (%)**
					Male	**Female**	
	B.Sc Zoology	2011-12	384	22	3	19	95
		2012-13	368	22	5	17	100
		2013-14	CAP	24	0	24	100
		2014-15	CAP	24	6	18	100
		2015-16	CAP	22	2	20	100

27	Diversity of Students				
	Name of Programme	***Year***	***% of students***		
			From same state	***Other states***	***Abroad***
	B.Sc Zoology	2011-12	100%	Nil	Nil
		2012-13	100%	Nil	Nil
		2013-14	100%	Nil	Nil
		2014-15	100%	Nil	Nil
		2015-16	100%	Nil	Nil

28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)	
	PSC	3
	Defense services	4
	Others	10

29	Student progression: Percentage of students gone for higher studies/employment					
		2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**
	UG to PG	36.3	13.6	20.8	25	40.9
	Employed	9.0	13.6	12.5	16.6	9.0
	Entrepreneurship/	9.0	9.0	8.3	12.5	9.0

	Self employment					

30	**Details of Infrastructural facilities** (Library/ ICT/ Laboratory/ Instrumentation) 1. A well-equipped lab having instruments to conduct physiological, biochemical, ecological and basic molecular biology works.Important instruments - Microscope, Centrifuge, Spectrophotometer, Colorimeter, Electrophoretic apparatus, Soxhelt apparatus etc 2. Museum having preserved specimens from various groups of Chordates and non-chordates 3. Library having books on various interdisciplinary areas of life science as anatomy, molecular biology, genetics, environmental biology, biochemistry, biostatistics etc. 4. A huge collection of charts visualizing morphological, cytological or anatomical processes. 5. A projector and interactive board for handling ICT Learning Methods 6. A scanner, a scanner-cum-printer and 2 printers for tracing diagrams from books, photocopying information contents that can help students in practical record and project preparation 7. Computer with internet access to create awareness and practicing on general informatics and bioinformatics (newly introduced topics in syllabus) in students.	
31	Number of students receiving financial assistance from college/ University/ Government or other agencies	
	Year	***No: of Students***
	2011-12	60
	2012-13	60
	2013-14	63
	2014-15	62
	2015-16	70

32	**Details on Student Enrichment Programmes**	
	Year	***Programme***
	2011-12	Seminars, Field visit to Study tour, Human genetic center visit, Campaigning
	2012-13	Blood group identification camps performed by department students, Field visit. Study tour. Human genetic center visit; practical sessions on ornamental fish farming
	2013-14	Blood group identification camps performed by department students, Field visit. Study tour, Human genetic center visit. Lectures
	2014-15	Blood group identification camps performed by department students, Field visit. Study tour, Human genetic center visit
	2015-16	Blood group identification camps performed by department students, Field visit. Study tour

33 Teaching Methods to improve student learning

Field visit

Study/ industrial visit to academic/ research institutions University Level

ICT Teaching methods including PowerPoint presentations, animated / real videos on biological process/ organisms

- Peer Teaching
- Remedial Teaching
- Lecture method
- Group discussion
- Group projects
- Tutorial method
- Seminars by students in current topics.
- Conducting quiz.
- Giving assignments
- Using inter Net
- Conducting lectures by academicians
- Practicals
- Audio Visual aids - charts, microscopic slides, animals, models

	➢ Group assignments
34	Participation in institutional social responsibility and extension activities 1. Academic extension – Environment awareness campaigning including antiplastic/ waste disposal at source level, conservation of nature and resources. 2. Biodiversity register preparations 3. Providing coaching classes for Common admission Tests in Life Sciences 4. Development of Ecofriendly Campus 5. Providing awareness in bioinformatics programmes 6. Social responsibility – Visit to centers for Differently abled (Human genetics- Giving aids of service/finance 7. Women empowerment through ornamental fish culture 8. Cleaning the campus and removing plastic wastes in nearby roads 9. Service to old age homes 10. Awareness classes on health and hygiene to nearby schools
35	SWOC Analysis of the Department and Future Plans STRENGTH 1. Department Library and Lab 2. Skilled teaching faculty 3. Good student- teacher bond 4. Social/ academic obligations of students and faculties 5. Disciplined and energetic students 6. Higher demand for the courses year after year. 7. Location of college in environmentally significant areas having rich biodiversity. WEAKNESS 1. Lack of enough space in lab, library and staff room. 2. Economic/ social / literary backwardness of the region 3. Moderate soft skill understanding in students. 4. Lack of enough funds for purchasing instruments.

5. Unscientific curriculum in preparation of lab records, practical sessions etc
6. Lack of funds for purchasing Bioinformatic softwares, Virtual dissections etc.

OPPURTUNITIES

- Higher Studies- Students can choose Interdisciplinary subjects for PG – M.Sc in Biotechnology, Bioinformatics, Biochemistry, Molecular Biology.
- Research- The college is located in an environmentally significant area having rich biodiversity and offer virgin unexplored areas for collecting information on biodiversity. (Nelliyamapathy hills, Parambikulam Tiger Reserve, Choolanoor Peacock Sanctuary are situated nearby).
- College, being situated in economically/ socially/ literary backward area, can aid to develop, encourage or equip students to main streams of society.

CHALLENGES

1. Shortage of funds for purchasing lab instruments, project works etc
2. Rules and regulations regarding the approval of new course
3. Delay in exam results and university exam schedules
4. Recent trends in approaches of students towards life science- ie. avoiding traditional courses of life science as Zoology, Botany etc.

DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES

1	Name of the Department		PG DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES
2	Year of Establishment		1967
3	Name of Programmes/courses offered		UG- B.Com (FINANCE) BBA - (FINANCE) PG-M.com (FINANCE)
4	Names of interdisciplinary courses and Departments involved		Open course- All Departments 1.Basic Accounting 2. E-commerce
5	Annual/Semester/Choice based credit system		UG – CUCBCSS PG – CUCBSS
6	Participation of the Department in the courses offered by other Departments		Open course and common courses
7	Courses in collaboration with other Universities, industries, foreign institutions etc		NIL
8	Details of courses/programmes discontinued		NIL
9	No: of teaching posts sanctioned/filled		
	Sanctioned	**Filled**	**Guest/Temporary**
	13	13	NIL

10	**Faculty Profile**				
	Name	**Qualification**	**Designation**	**Specialisation**	**Experience**
1	Dr. V.K. Sudhakaran	M.Com., M.Phil., Ph.D.	Principal (Associate Professor)	Finance	31 Years
2	Mr. T. Sreekumar	M.Com. MBA M.Phil.	Associate Professor	Finance	20 Years
3	Dr.Sindhu.K.P	M.Com.,	Assistant	Finance	6 years

		M.Phil, NET (JRF) MBA, Ph.D.	Professor		
4	Mr.Vijesh Venugopal	M.Com., B.Ed., NET, SET, MBA, DCA,CCA	Assistant Professor	Finance	6 years
5	Smt.Deepthi.I	M.Com., B.Ed., NET, SET,DCFA	Assistant Professor	Marketing	4 years
6	Smt.Shyamala.M	M.Com, M.Phil, MBA, NET, PGDHRM, PGDIM, DIM	Assistant Professor	Finance	4 years
7	Smt. Chaithanya.U	M.Com., NET (JRF)	Assistant Professor	Finance	3 years
8	Ms.Jyothi lakshmi.E	M.Com, M.Phil. NET, SET, HDC	Assistant Professor	Foreign Trade and Management	3 years
9	Mr. Sreekumar.P.G	M.Com, NET, PGDBM	Assistant Professor	Finance	2years
10	Mrs.Suvarna lakshmi.U	M.Com.,NET	Assistant Professor	Marketing	6years
11	Mrs. Saritha P.K.	M.Com, M.Phil., DCFA, NET	Assistant Professor	Finance	2 years
12	Mrs. Ranjini Ramachandran K	M.Com, NET	Assistant Professor	Finance	1 year
13	Mrs. Anjula .C.S	M.com, NET, SET	Assistant Professor	Finance	1 year

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	B.Com 45:1 BBA 30:1 M.Com 10:1
14	No: of academic support (technical) /administrative staff	Nil
15	Number of teaching faculty with M.Phil/PhD	M. Phil. – 4

				Ph. D – 2	
16	Number of faculty with projects from National/ International funding agencies and grant received			National: 7	
	Principal Investigator	**Funding agency**	**Amount**	**Status**	**Duration**
	Dr.K.P.SaraswathyAmma	UGC	3,39,000	Completed	2 years
	Vinod A.S.	UGC	80,000	Completed	1.5Years
	Dr.KalidasM.G.	UGC	90,000	Completed	1.5Years
	AnilChandran S.	UGC	1,05,000	Completed	1.5Years
	Dr. Sindhu K.P.	UGC	60,000	Completed	1.5Years
	VijeshVenugopal	UGC	1,00,000	Completed	1.5Years
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.			NIL	
18	Research Centre/facility recognized by the University			NIL	

Publication Details (Department)	
Journals:	**Vanijyam:** Peer Reviewed Annual Journal
Conference Proceedings without ISBN : 2	Proceedings of **Emerging Trends in Factoring.**
	Proceedings of **Retail Industry in India**
Conference Proceedings with ISBN : 3	**FINNOVA'14 (ISBN 978-81-89085-91-9)**
	FINNOVA' 15 (ISBN 978-81-89085-95-7)
	FINNOVA' 15 (ISBN 978-93-85105-19-7)

Publication Details (Faculties)	
Title/Journal/ Conference proceedings	***National/ International***
T. Sreekumar, *The Role of District Central Cooperative Bank in Kerala in Achieving the Goal of Financial Inclusion*. Annual Journal of Post-graduate Department of Commerce, Newman College, Thodupuzha. ISSN 2320-5393 Vol. 8 No.1, December, 2013. pp. 48-59.	***National***

T.Sreekumar, *Cooperative Banking Trends in India,* in Emerging Trends in Business and Finance, Government College, Tripunithura, Ernakulam. 71 – 78, ISBN 978-93-5087-792-0, pp 71-78.	***National***
Sindhu K. P. and Rajitha Kumar S., (October-December2011), *A Review of the Operations of the Mutual Funds in India*. *CAMS* Journal of Business Studies and Research , 7-19. ISSN 0975-7953.	***National***
Sindhu K. P. Published a paper on *Emerging issues in Mutual Fund Industry* in ISBN editted Conference proceedings (ISBN -978-93-80430-14-0) pp. 237-244.	***National***
Sindhu K. P. presented a paper on *Mutual Funds Marketing* at the National Conference on Indian Mutual Fund Industry Opportunities and Challenges organized by the Department of Commerce and Management at Amrita School of Arts and Sciences, Kochi, on 5thNovember 2011.	***National***
Sindhu K. P., and Rajitha Kumar S. (2012). *Investors' Preference on Mutual Funds –A Study*. Research Scholar Vol.2, issue IV ,166	***National***
Sindhu K. P., and Rajitha Kumar S. (2012). *Risk Tolerence of Mutual Fund Investors in Kerala*. Global Research Review Vol.II, Issue IIA, 110	***National***
Sindhu K. P. (2013). *Factors Influencing Stress and Coping Strategies among the College Teachers of Kerala State*. In Ha. Huong, and Ram H.S.G., Trends and Challenges in Global Business Management pp.291	***National***
Sindhu K. P., and Rajitha Kumar S. (2013). *A Study on Influence of Investment Specific Attitudes of Investors on Investment Decisions*. Indian Journal of Commerce and Management Studies, Vol. IV, Issue 3, 46 – 50. ISSN 2249-0310, EISSN 2229-5674, http://www.scholarhub.net, Impact Factor (GIF):0.405.	***National***

Sindhu K. P. and Rajitha Kumar S. (2013). *Influence of Characteristics of Mutual Funds on Investment Decisions- A Study*. International Journal of Management, Vol.4,Issue 5,103-108. ISSN 0976-6502 (Print), ISSN 0976-6510(Online), Available at www.iaeme.com/ijm.asp, Impact Factor(GISI) : 6.9071.	***International***
Sindhu.K.P. *et.al*. (2014*). A Study on Factors Influencing Investor Sentiment in Indian Stock Market*. International Journal of Management, Vol.5, Issue 1,7-13. ISSN 0976-6502 (Print), ISSN 0976-6510(Online), www.iaeme.com/ijm.asp, Impact Factor(GISI) : 6.9071.	***International***
Vijesh Venugopal and Deepthi I (2014). *Green Banking- A Corporate Social Responsibility*, International Journal of Multi disciplinary Education Research (IJMER), Vol.31, Issue1(2), pp.no.296-304. ISSN 2227-7881.	***International***
Shyamala M.(2014), *An Overview of Strategic Planning to Compact Occupational Stress- Need of the Hour in the Present Indian Context.*	***International***
Vijesh Venugopal (2014). *ICT-A Sustainable Strategy for Women Empowerment in Kerala*, IOSR Journal of Business and Management, Vol.16, Issue7, (Impact Factor-1.219)	***International***
Vijesh Venugopal (2014) *Role of Factoring in SME Credit in India* in UGC Sponsored National Seminar on Emerging Trends in Factoring organized by P.G.Department of Commerce and Management Studies, N.S.S.College Nemmara in Collaboration with SBT on 23-24 January 2014.	***National***
Sindhu K.P. and Sreekumar, T. 2014. *Issues on Factoring Services in India*, in UGC Sponsored Two day National Seminar on Emerging Trends in Factoring organized by PG Department of Commerce and Management studies, N.S.S College Nemmara, Palakkad in collaboration with SBT on 23rd and 24th January 2014.	***National***

Sindhu K.P. and Sreekumar, T. (2014). *Retailing in Rural India-Problems and Prospectus* in UGC Sponsored Two day National Seminar on Retail Industry in India organized by PG Department of Commerce and Management Studies, N.S.S College Nemmara, Palakkad in collaboration with Kerala Vyapari Vyavasai Ekopana Samithi Nemmara on 6th and 7th February 2014.	***National***
Vijesh Venugopal (2014). *Green Retailing – A Sustainable Retailing Strategy in India* in UGC Sponsored Two day National Seminar on Retail Industry in India organized by PG Department of Commerce and Management Studies, N.S.S College Nemmara, Palakkad in collaboration with Kerala Vyapari Vyavasai Ekopana Samithi Nemmara on 6th and 7th February 2014.	***National***
Shyamala M.(2014). *Factoring and Forfeiting –A descriptive Study* in UGC Sponsored Two day National Seminar on Emerging Trends in Factoring organized by PG Department of Commerce and Management studies, N.S.S College Nemmara, Palakkad in collaboration with SBT on 23rd and 24th January 2014.	***National***
Deepthi I.(2014). *Role of Factoring in SME Credit in India* in UGC Sponsored National Seminar on Emerging Trends in Factoring organized by P.G.Department of Commerce and Management Studies, N.S.S.College Nemmara in Collaboration with SBT on 23-24 January 2014.	***National***
Green Retailing – A Sustainable Retailing Strategy in India in UGC Sponsored Two day National Seminar on Retail Industry in India organized by PG Department of Commerce and Management Studies, N.S.S College Nemmara, Palakkad in collaboration with Kerala Vyapari Vyavasai Ekopana Samithi Nemmara on 6th and 7th February 2014.	***National***
Shyamala M.(2014) *A Study on Customer Perception towards*	

Store Image and Store Loyalty in Palakkad District in UGC Sponsored Two day National Seminar on Retail Industry in India organized by PG Department of Commerce and Management Studies, N.S.S College Nemmara, Palakkad in collaboration with Kerala Vyapari Vyavasai Ekopana Samithi Nemmara on 6th and 7th February 2014.	***National***
Sindhu K.P.presented a paper on *An Empirical Analysis on Factors Influencing Investors Sentiment in Indian Stock Market* in the UGC sponsored Ninth International Conference on Financial Markets: Issues and Challenges(FIMIC-2014) organized by Department of Commerce and Financial Studies, Bharathidasan University, Thiruchirappilly and SMART Journal of Business Management Studies on 4th and 5th January 2014.	***International***
Sindhu K.P. presented a paper on *Factors Influencing Stress and Coping Strategies among the College Teachers of Kerala State* in the International Conference on Trends and Challenges in Global Business Management-Placitum 2013, organized by Department of Management Studies, Sree Narayana Gurukulam College of Engineering Kadayiruppu, Kolenchery, on 22nd and 23rd November 2013.	***International***
Sindhu K.P.(2014). *Innovative Trends in Indian Mutual Fund Industry*. Abhinav MCMATIAN Journal of Management, Vol.1, Special Issue No.2, 123-128.	***National***
Sindhu K.P. (2014). *A Study on Investors' Awareness and Preference on Various Investment Avenues*. The Pauline Journal of Studies and Research, Vol1, Issue 2, 305-317.	***National***
Sindhu K.P. (2014***).*** *Investors' Preference for Mutual Funds* in Emerging Trends in Business and Finance, Ernakulam: Government College, Tripunithura.	***National***
Sindhu K.P. (2014). *A Study on Work Stressors among College Teachers*. ISOR Journal of Business and Management, Vol.16,	***International***

Issue 7, 37-41	
Shyamala. M,Vijesh Venugopal and Deepthi I (2014). *Emerging Trends in Kerala Responsible Tourism*. IOSR Journal of Business andvManagement, Vol.16,Issue11,ppn0.8-16.	***International***
Geeta G. Nair(2014). *A Study on the Attitude towards Gold Loan*. Facts for You.	***National***
Geeta G. Nair(2014).*User attitude towards Credit and Debit Cards*. *POSEIDON*	***National***
Sindhu K.P. (2014). *Influence of Risk Perception of Investors on Investment Decisions: An Empirical Analysis*. Journal of Finance and Bank management, Vo. 2, Issues 2, 15-25.	***National***
Sindhu K.P. (2014). *Investment Horizon of Mutual Fund Investor*s. GE-International Journal of Management Research, Vol.2, Issue 8, 159-172. 2014	***International***
Sreekumar P.G (2014). *Role of Credit Rating in Indian Financial Market* in FINNOVA'14 (ISBN 978-81-89085-91-9)in connection with UGC Sponsored National Seminar on Financial Engineering in India: Growth Prospects and Challenges organized by P.G. Department of Commerce and Management Studies, N.S.S.College Nemmara in Collaboration with ICAI andSBT on 20and21st November 2014.	***National***
Sreekumar P.G (2015). *Does Strategic alliance always prove to be beneficial? A Descriptive study in* EXPLORATION (ISSN 2229-4783) in connection with UGC sponsored National Seminar on Strategic Management Practices in the Globalised Scenario held at Devamata College, Kuruvilangad. Jan.13-14, 2015	***National***
Sindhu K.P.(2015). *Investment Practices of Retail Mutual Funds Investors in Kerala- an Outcome of Strategic Financial Planning*" in EXPLORATION (ISSN 2229-4783) in the UGC sponsored National Seminar on Strategic Management Practices in the Globalised Scenario held at Deva Matha College,	***National***

Kuruvilangad.	
Vijesh Venugopal and Deepthi I. (2014) *Securitisation Debt: A tool for structured financing in India* in FINNOVA'14 (ISBN 978-81-89085-91-9)in connection with UGC Sponsored National Seminar on Financial Engineering in India: Growth Prospects and Challenges organized by P.G. Department of Commerce and Management Studies, N.S.S.College Nemmara in Collaboration with ICAI and SBT on 20 and 21st November 2014.	***National***
Shyamala M. (2104) *Currency Hedging* in FINNOVA'14 (ISBN 978-81-89085-91-9) in connection with UGC Sponsored National Seminar on Financial Engineering in India: Growth Prospects and Challenges organized by P.G. Department of Commerce and Management Studies, N.S.S.College Nemmara in Collaboration with ICAI and SBT on 20and 21st November 2014.	***National***
Suvarnalakshmi V (2014) *Gold price and dollar rate movement in India: A Comparitive study* in FINNOVA'14 (ISBN 978-81-89085-95-7) in connection with UGC Sponsored National Seminar on Financial Engineering in India: Growth Prospects and Challenges organized by P.G. Department of Commerce and Management Studies, N.S.S. College Nemmara in Collaboration with ICAI andSBT on 20and21st November 2014.	***National***
Chaithanya U (2014) *Rashtriya Swasthya Bima Yojana (RSBY):- An innovative health insurance product in India* in FINNOVA'14 (ISBN 978-81-89085-91-9)in connection with UGC Sponsored National Seminar on Financial Engineering in India: Growth Prospects and Challenges organized by P.G. Department of Commerce and Management Studies, N.S.S. College Nemmara in Collaboration with ICAI and SBT on 20 and 21st November 2014.	***National***

Jothilakshmi E (2014) *A study on Leaase and Hire purchase financing through NBFC' s with special refence to delta leasing and financing Ltd*. In FINNOVA'14 (ISBN 978-81-89085-91-9) in connection with UGC Sponsored National Seminar on Financial Engineering in India: Growth Prospects and Challenges organized by P.G. Department of Commerce and Management Studies, N.S.S. College Nemmara in Collaboration with ICAI and SBT on 20 and 21st November 2014.	***National***
Suvarnalakshmi V (2015) *Co-operative banks in Rural area: An Overview* in FINNOVA'15 (ISBN 978-93-85105-19-7) in connection with UGC Sponsored National Seminar on Green banking: An innovative tool for service quality organized by P.G. Department of Commerce and Management Studies, N.S.S. College Nemmara in Collaboration with ICAI on 30th September and 1St October 2015.	***National***
Sreekumar P.G. (2015) *Shadow Banking in India- Growth prospects and Challenges* in FINNOVA'15 (ISBN 978-93-85105-19-7) in connection with UGC Sponsored National Seminar on Green banking: An innovative tool for service quality organized by P.G. Department of Commerce and Management Studies, N.S.S. College Nemmara in Collaboration with ICAI on 30th September and 1St October 2015.	***National***
Sreekumar P G (2015) *Analyzing opportunities and Threats of Online trading in Directorate of Collegiate Education*, Government of Kerala Sponsored National Seminar Organised by the Department of Commerce and management Studies, Govt. College Nedumangad.	***National***
Vijesh Venugopal (2015) *Recent Developments in the Vibrant Corporate Sector – Aspirations, Challenges and Opportunities* in Directorate of Collegiate Education, Government of Kerala	

Sponsored National Seminar Organized by the Department of Commerce and management Studies, Govt. College Nedumangad.	***National***
Ranjini Ramachandran K (2015) *Green Banking in India- Growth Prospects and Challenges* in connection with UGC Sponsored National Seminar on Green banking: An innovative tool for service quality organized by P.G. Department of Commerce and Management Studies, N.S.S. College Nemmara in Collaboration with ICAI on 30th September and 1st October 2015.	***National***
Geeta. G.Nair (2015). *A Study on awareness and adoption of Green Banking Practices among College teachers*, FINNOVA'15 (ISBN 978-93-85105-19-7) in connection with UGC Sponsored National Seminar on Green banking: An innovative tool for service quality organized by P.G. Department of Commerce and Management Studies, N.S.S. College Nemmara in Collaboration with ICAI on 30th September and 1St October2015.	***National***
Sindhu K,P. (2015). *Banking and Environmental Concerns: A Study on Customer's Awareness and Preference on Green Banking*. International Journal in Management and Social Science, Vol.3, Issue7.	***International***
Geeta.G.Nair (2016). *An Analysis of Work Related Stress among College Teachers in HR Strategies and Practices in achieving business Excellence* in connection with UGC Sponsored National Seminar on HR Strategies and Practices in achieving business Excellence on Jan.12-13, 2016.	***National***
Geeta.G. Nair (2016). *An Analysis of Marketing Efficiency of Women Self Help Groups* in Economic Challenger.	***National***
Anjula C.S. (2015). *The Marketing of Financial services – Opportunities and Challenges in the modern Era* in UGC Sponsored National Seminar organized by Research and P.G.	***National***

Department of Commerce, Govt.College Attingal on 25th and 26th November 2015.	
Anjula C.S.(2015).*Impact of Yoga and Mediation Centers on Kerala Tourism*, Research Scholar , Vol5,Issue3.	***National***
Anjula C.S.(2015).*Impact of Vizhinjam Project on Kerala Tourism*, Global Research Review, Vol 15, Issue 6.	***National***

20	Areas of consultancy and amount generated	The Department offers free consultancy services in areas of Income Tax, Personal Investment and Research
21	Faculty as members in National/International Committees Editorial Boards	
	Name of Faculty	***Committee/Board***
1	V.S. Nalina Kumari	Member of Board of Studies in Management (2011-14).
2	Dr. V.K.Sudhakaran	Senate member, University of Calicut, Recognized Research Guide of Bharatiar University, Question paper setter for Various Universities and autonomous colleges, PG Viva Board member, Question Paper setter for Kerala Public Service Commission.
3	T. Sreekumar	Question paper setter for Various Universities and autonomous colleges, PG Viva Board member, Question Paper setter for Kerala Public Service Commission.
4	Dr. Sindhu K.P.	Member of an editorial Board of Associated Asia Research Foundation. Member of editorial Board of International Journal in Management and Social science. Chair Person for various UGC sponsored seminars; Resource Person for various UGC sponsored seminars.

		Member of Panel discussion in a symposium organized by Kerala Higher Education Council. Question paper setter for autonomous college and external evaluator.
5	Vijesh Venugopal	Question paper setter for autonomous colleges, Question Paper setter for Kerala Public Service Commission, Subject Expert for the interview of Guest Lecturers, Member of Study Material Preparation for Calicut University SDE.
6	Deepthi.I	Question paper setter for autonomous colleges, Thrissur.
7	Shyamala.M	Question Paper setter for Kerala Public Service Commission, Subject Expert for the interview of Guest Lecturers, Member of Study Material Preparation for Calicut University SDE , Chair Person for National and Regional seminars,

22	Student Projects:	
a	Percentage of Students who have done in-house / inter-departmental programme	100 %
b	Percentage of students placed for projects in organizations outside the institution (Research laboratories/ industries etc)	Nil

23	**Awards/Recognitions received by students**		
Year	**Name**	**Item**	**Award/Recognition**
2011-	Akhil Marar and	Chendamelam	First Prize in A zone

12	Team	and Thayambaka	competition University Level
2012-13	Akhil Marar and Team	Chendamelam and Thayambaka	First Prize in A zone competition University Level
	Rakesh and Team	Volley Ball	First Prize in A zone competition University Level
	Aakash and Team	Cricket	Second Prize in A zone competition University Level
2013-14	Akhil Marar and Team	Chendamelam and Thayambaka	First Prize in A zone competition University Level
	Sree Ranjini and Team	Group Song	Third Prize A Zone University level
	Rohit .R.Menon	Cine Artist	Documentary Award Winner
2014-15	Sree Ranjini and Team	Patriotic Song	Second Prize A Zone University level
	Aiswarya Das	Javelin throw	Third Prize in Amateur Meet – University Level
	Rajeev	Wrestling	First Prize in University Level
2015-16	Aiswarya Das	Javelin throw	Second Prize in Amateur Meet – University Level
	Aiswarya Das	Shot-put and Triple Jump	First Prize in Amateur Meet – University Level
	Swadish Sundar	Long Jump	First Prize- Sports Meet conducted by college.
	Aiswarya Das	Pencil Drawing	First Prize - organized by Zoology Department

	Kishore and Vineeth.R.Nair	N C C	Participated in Republic day Parade at New Delhi.
	Dinesh.S	Taekwondo	Gold Medal winner University Level

24	**List of eminent academicians and scientists/ visitors to the Department**

Year	**Academician/ Scientist**	**Occasion**
2011-12	Dr.S.N.Sasidharan Kartha, MD, (CMRL)	ED Club Inauguration
	Dr.K.B. Pavithran Professor, SCMS CUSAT	One day Regional Seminar
2012-13	Smt.Jayasree.K. Assistant Manager, Federal Bank	Regional Seminar on ATM frauds
	Suresh Menon. P, Assistant Manager, CBI, Mumbai	National Seminar
2013-14	Jose Thomas, Manager, Malabar Cements	ED Club Inauguration
	V.Babu, Associate Professor, Christhu Jayanthi College, Bangalore	UGC Sponsored National Seminar
	P.M. Sibi, Assistant Manager, South Indian Bank	UGC Sponsored National Seminar
	Dr.M.K.Baby, Associate Professor, Devagiri college, Kozhikode	UGC Sponsored National Seminar
	Dr.S.Rajitha Kumar, Associate Professor, CUSAT	UGC Sponsored National Seminar
	K.P.Muraleedharan, Professor, DCMS, Calicut University,	UGC Sponsored National Seminar
	Dr.B.VijayaChandran Pillai, Professor, DCMS, Calicut	UGC Sponsored National Seminar
	Dr.Maani.K.P., Department of Economics, JMC, Thrissur	UGC Sponsored National Seminar
	Dr.V.K.VijayaKumar, Portfolio consultant,	UGC Sponsored

	Geojeet Securities	National Seminar
	G.Naresh, Assistant Professor, Pondicherry University	UGC Sponsored National Seminar
2014-15	Ravi Jain, NSE, Cochin	UGC Sponsored National Seminar
	CA Harish.C.R., Chairman ICA Palakkad chapter	UGC Sponsored National Seminar
	Dr.S.Rajitha Kumar, Associate Professor, CUSAT	UGC Sponsored National Seminar
	Dr.Pradeep Menon, Research Head, DBFS, Cochin.	UGC Sponsored National Seminar
	Dr.T.G.Saji, Assistant Professor, Government College, Thrissur	UGC Sponsored National Seminar
	Dr.N.Raghavan, Associate Professor, DCMS, Madras University	UGC Sponsored National Seminar
	Dr.G.Raju,M, Associate Professor and Research Guide, Government Womens College, Trivandrum.	UGC Sponsored National Seminar
2015-16	C.A.Madhusoodhanan K.P, Chairman, ICA Palakkad Chapter	UGC Sponsored National Seminar
	Dr.B.Vijayachandran Pillai, Professor, DCMS, Calicut University.	UGC Sponsored National Seminar
	Dr.N.Raman Nair, Director, SCMS Chochin.	UGC Sponsored National Seminar
	Dr.Ashok Kumar, Director, Karppagam University, Coimbatore	UGC Sponsored National Seminar
	Mr.Unni Krishnan.E, Chief Credit Manager, South Indian Bank, Thrissur	UGC Sponsored National Seminar
	Dr.G.Raju. Associate Professor and Research Guide, Government Womens College, Trivandrum	UGC Sponsored National Seminar
25	**Seminars/ Conferences/ Workshops organized and the source of**	

	funding			
	Event	**National/ Regional**	**Funding Agency**	**Year**
1	Work shop on General Informatics	National	KSHEC	2011-12
2	Seminar on Internet Banking	Regional	-	2011-12
3	Seminar on Mutual Fund Investment	Regional	SEBI	2012-13
4	Seminar- Emerging Trends in Factoring	National	UGC	2013-14
5	Seminar – Retail Industry in India	National	UGC	2013-14
6	Seminar-Financial Engineering in India: Growth Prospects and Challenges	National	UGC	2014-15
7	Seminar – Green Banking – An Innovative Tool for Service Quality	National	UGC	2015-16

26	**Student profile program/course wise:**						
	Name of Programme	Year	Application received	Students Selected	Enrolled		Pass (%)
					Male	Female	
	B.Com	2011-12	1400	60	26	34	95
		2012-13	1450	60	22	38	91
		2013-14	CAP	58	20	38	95
		2014-15	CAP	58	21	37	95
		2015-16	CAP	59	20	39	90
	BBA	2011-12	825	24	14	10	100
		2012-13	920	29	8	21	90
		2013-14	CAP	33	8	25	91

		2014-15	CAP	33	7	26	91
		2015-16	CAP	36	12	24	92
	M.Com	2011-12	CAP	14	3	11	92
		2012-13	420	12	2	10	100
		2013-14	CAP	13	2	11	83
		2014-15	CAP	12	3	9	83
		2015-16	CAP	14	2	12	100

27	**Diversity of Students**			
	Name of Programme	**Percentage of students**		
		From same state	**Other states**	**Abroad**
	B.Com/BBA/M.com	100 %	NIL	NIL

28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)	
	NET	2
	CAT	45
	BANK	32
	Higher Education	196
	Defense services	13
	PSC	31
	UPSC	7
	Others- Entrepreneurs	16

29	Student progression Percentage of students progressing to higher education or employment					
		2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**
	UG to PG	43	32	37	35	47
	PG to M.Phil	-	-	1	-	1
	Employed	23	17	21	18	16

	Entrepreneurship/ Self employment	1	2	6	3	4

30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation) • Well equipped Library having 300 books and various Journals. • Smart Class and LCD Projector for Seminar and Project Presentations • A well equipped computer lab having 11 computers with internet facility	
31	Number of students receiving financial assistance from college/ University/ Government or other agencies	
	Year	***No: of Students***
	2011-12	1
	2012-13	3
	2013-14	6
	2014-15	6
	2015-16	28
32	Details on Student Enrichment Programmes	
	1. SEBI Investor Education programme was conducted to generate awareness among Students in association with the Investor Education Cell of SEBI. 2. Entrepreneurship Development Club- Conducted exhibitions during the year 2011-12. The ED Club regularly organized Motivation Classes and Special lectures in integration with District Industries Centre, Palakkad and Taluk Industries Centre, Alathur. 3. A Seminar on Internet Banking was organized during the academic year 2011-12 by Dr.K.B.Pavithran Professor in Management, CUSAT. 4. The department regularly organises Career awareness programmes for the benefits of final year degree students	
33	Teaching Methods to improve student learning ICT Teaching methods followed Peer Teaching	

	Remedial Teaching Group discussion Group projects Tutorial method Seminars by students in current topics. Conducting debates in relevant topics. Conducting business quiz. Giving assignments relating to business, budgets, changing policies etc. Net based teaching Conducting seminars and Invited talks by eminent persons in relevant topics included in the syllabus
34	Participation in institutional social responsibility and extension activities • Academic extension – Financial Literacy awareness programme. • Tax consultancy services • Providing UGC-NET coaching classes for M.com Students • Green Campus activity • Providing computer literacy for homemakers of neighborhood • Social responsibility – Visit to orphanage and distributing clothes • Extension on women empowerment and career planning • Supply of food packets to Government Hospital, Nemmara • Providing breakfast to old age homes • Distribution of study materials to the students of government LP school, Nemmara
34. (B)	• In 2013, the students of P.G. Department of Commerce and Management Studies conducted a survey on saving habits of people in the neighbouring rural society. • In 2015, the students of P.G. Department of Commerce and Management Studies conducted a survey on 'Customer Perception on Online Shopping' among the people in the neighboring rural society.
35	SWOC Analysis of the Department and Future Plans **Strength** ➢ Dedicated and well qualified teaching faculty

- Healthy student- teacher relationship
- Department Library
- ED Club and its activities to inculcate the entrepreneurial skill among the students
- Well maintained Computer lab with internet accessibility.
- Endowment distribution to meritorious students sponsored by alumni.
- Commendable discipline among students
- Supportive parents
- Subject with high potential.
- Efficient tutorial system giving personal care for each and every student.

Weakness

- Low economic and social background of students.
- Poor soft skill knowledge in students.
- Low literacy level in the locality.
- Admission to non-commerce students in U.G course.
- Heterogeneous student input.

Opportunities

- High demand for commerce graduated and post graduates.
- BBA Students have higher opportunity for admission in MBA courses.
- High scope for academic progression
- Campus selection
- Feeder to professional courses like CA, ICWA, CS etc.

Challenges

- Shortage of funds.
- Delay in exam results.
- Transportation facility is inadequate.
- Limited time for extension activities.

FUTURE PLANS

- Up-gradation as Research Department.

- Offering short term certificate course in Tax consultancy for PG Students and for students of nearby locality and thereby enriching the society.
- Mobilizing fund for research from national Agencies and Organizations.
- To start job-oriented Certificate Courses for the benefit of economically backward students in and around Nemmara.
- To offer technical skill development and entrepreneurial traits in collaboration with District Industries Centre.
- To increase our infrastructural facilities with the help of various funding Agencies and alumni.

DEPARTMENT OF PHYSICAL EDUCATION

1	Name of the Department		Department of Physical Education
2	Year of Establishment		1968
3	Name of Programmes/courses offered		NIL
4	Names of interdisciplinary courses and Departments involved		Offers Physical Education Training and Open course classes to Students of all Departments.
5	Annual/Semester/Choice based credit system		Choice based Credit System
6	Participation of the Department in the courses offered by other Departments		NIL
7	Courses in collaboration with other Universities, industries, foreign institutions etc		NIL
8	Details of courses/programmes discontinued		NIL
9	No: of teaching posts sanctioned/filled		
	Sanctioned	**Filled**	**Guest/**
	1	1	0

10	Faculty Profile				
	Name	Qualification	Designation	Specialisation	Experience
1	Dr.Deepak.S.S	MPEd, MPhil, PhD, NET, PG Diploma in Yoga, Diploma in Sports Training	Assistant Professor	Physical Education	5 Years

11	List of senior visiting faculty				NIL
12	Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty				
	2011-12	2012-13	2013-14	2014-15	2015-16
	100%	-	-	-	-
13	Student-teacher ratio				-
14	No: of academic support (technical) /administrative staff				NIL
15	Number of teaching faculty with M.Phil/PhD				Ph.D- 1
16	Number of faculty with projects from National/ International funding agencies and grant received				NIL
17	Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc.				NIL
18	Research Centre/facility recognized by the University				NIL

19	Publication Details	Journals: 4 Conference Proceedings: 1 Books

Peer Reviewed Journals

	Title/Journal/ Conference proceedings	***National/ International***
1	*Isolated and Combined Effect of Theraband Exercise and Medicine Ball Exercise on Selected Physical Fitness and Biochemical Variables of School Boys*", International Journal of Recent Research and Applied Studies (ISSN 2349-4891) Vol.2, Issue 12(2) December 2015	***International***
2	*Isolated and Combined Effect of Theraband Exercise and Medicine Ball Exercise on Selected Physiological Variables of School Boys*", Research Scholar (ISSN 2249-6696) Vol.3 No.2 June2013.	***National***
3	*Isolated and Combined Effect of Theraband Exercise and*	

	Medicine Ball Exercise on Selected Physical Fitness Variables of School Boys", Gurujyothi Research and Reflections (ISSN 0976-0865) Vol.7 Issue No.1 January 2013.	***National***
4	*Isolated and Combined Effect of Theraband Exercise and Medicine Ball Exercise on Selected Biochemical Variables of School Boys*", Gurujyothi Research and Reflections (ISSN 0976-0865) Vol.6 Issue No.2 June 2012.	***National***
	Conference Proceedings	
5	*Effect of Varied Intensities of Bench Step Training on Selected Physiological Variables of School Boys*" in International Conference on Prospective Approaches and Applications of Yoga and Physical Activity for Better Life at Al Saints College, Trivandrum.	***International***

20	Areas of consultancy and amount generated	NIL
21	Faculty as members in National/International Committees Editorial Boards	NIL
22	Student Projects:	NIL

23	Awards/Recognitions received by faculty/ students	
	Name of Students	**Achievement**
	2011-12	
	Rahul Krishna A R, III B Com	❖ Participated in the 46th National Cross country Championships in 12 kms run and 20 and UN organised by Maharashtra Athletics Association at Pune ❖ Participated in the All India University Athletics championship at MD University Rohtak

		❖ 1ST Position in 5000 mts in the Calicut university athletics held at EMEA college, Kondotty ❖ Second position in the cross country men championship held at St Marys college Sulthan Bathery ❖ 1st position in the 16th Kerala state cross country championship at CAS college Madayi, Kannur
	Vipin.A.C II Instrumentation	❖ First position and individual championship in the Calicut university tennis championship ❖ Member of Calicut university tennis men team
	Sunitha.M III Economics	❖ 3rd position in Heptathlon in Calicut university athletics championship held at EMEA College Kondotty
	Sajin.V III Bcom	❖ 3rd position in 400 mts in the 54th Kerala state senior athletics championship held at Maharajas College Kochi
	Anitha.S II English	❖ 3rd position in 4x100 m and 4x 400 m relay in the 54th Kerala State senior Athletics Championship held at Maharajas College Kochi
	Ranjith.C.C II BBA	❖ Represented Palakkad District in the Kerala State Volley Ball Championship
	Dhanoop.C I Economics	❖ Represented Palakkad District in the Kerala State Volley Ball Championship
	Volleyball Team	❖ Runner up in the Calicut University C Zone championship
	Cricket Team	❖ Participated in the Calicut University C Zone Cricket Championship
2012-13		

	Vipin.A.C III Instrumentation	❖ II[nd] position in Calicut University Tennis Men Singles Championship and won the Individual Championship
	Anila.R I BA English	❖ Third Position in Javelin Throw in the Calicut University Athletics Meet
	VolleyBall Team	❖ Winners of of Calicut University C-Zone Volleyball Tournament and got selection to participate in the Calicut University Interzone Volleyball Championship
	Cricket Team	❖ Played the Semi Finals in the C-Zone Calicut University Cricket Championship
	Football Team	❖ Participated in the Calicut University C-Zone Football Championship
	Ranjith.C.C III BBA	❖ Got Selection in the Senior/Youth State Volley Ball Championship.
	Dhanoop.C I BA Economics	❖ Got Selection in the Senior/ Youth State Volley Ball Championship
	Athletics Team	❖ Participated in the Calicut University Interzone Athletics Championship
	2013-14	
	Sanoop.A.K I BSC Zoology	❖ IIIrd position in Calicut University Tennis Men Singles
	Anila.R II BA English	❖ Second Position in Javelin Throw in the Calicut University Athletics Meet
	Sajith Kumar.S I BA Economics	❖ IIIrd position in Calicut University Taekwondo Championship
	VolleyBall Team	❖ Winners of Palakkad District C-Zone Volleyball Tournament and got selection to participate in the Interzone Volleyball Championship.
	Cricket Team	❖ Played the Quarter Finals in the Palakkad Dist C-Zone Cricket Championship.

	Ranjith.C.C I Mcom	❖ Got Selection in the Senior/Youth State Volley Ball Championship
	Gopi.K II Maths	❖ Got Selection in the Senior/Youth State Volley Ball Championship
	Sreejith I History	❖ Got Selection in the Senior/Youth State Volley Ball Championship
	Sanesh.S I History	❖ Got Selection in the Senior/Youth State Volley Ball Championship
	Nirmal Raj I English	❖ Got Selection in the Senior/Youth State Volley Ball Championship
	Athletics Team	❖ Participated in the Calicut University Interzone Athletics Championship
	2014-15	
	Volleyball Team	❖ C-Zone Winners and Participated in the Calicut university interzone volleyball championship
	Basketball Team	❖ C-Zone Runners Up
	Ragi.R I Chemistry	❖ All India Inter University Participation(Athletics) ❖ 3rd position in 400 mts race in Calicut University Athletics 2014-15 ❖ 2nd Position in 400mts and 400MH in State Senior Athletics Championship
	Praveena.D I Botany	❖ All India Inter University Participation (Taekwondo) ❖ 1st position in Calicut University Taekwondo Championship 2014-15
	Athira.A III Chemistry	❖ 2nd position in Calicut University Taekwondo Championship 2014-15
	Athira.A I Malayalam	❖ 3rd position in Calicut University Taekwondo Championship 2014-15
	Haris.S	❖ 3rd position in Calicut University Taekwondo

	III Instrumentation	Championship 2014-15
	Rajeev I Mcom	❖ 3rd position in Calicut University Wrestling Championship 2014-15
	Sanoop.A.K II Zoology	❖ Selected in Tennis Open selection- Calicut University 2014-15
	Ranjith.C.C II Mcom	❖ Best Player in C-Zone Volley ball Championship, Selected for State Senior Volleyball Championship
	Bijulal II Economics	❖ Selected for State Senior Volleyball Championship
	NIrmal Raj II English	❖ Selected for State Senior Volleyball Championship
	Gopi.K III Maths	❖ Selected for State Senior Volleyball Championship
	Sanesh.S II Economics	❖ Selected for State Senior Volleyball Championship
	Vipin I Instrumentation	❖ Selected For NBA camp (Basket Ball)
	Cricket Team	❖ Participated in the C-Zone Cricket CHampionship
	Athletics Team	❖ Participated in the Calicut University Interzone Athletics Championship
	Judo Team	❖ Participated in the Calicut University Interzone Judo Championship
	Wrestling Team	❖ Participated in the Calicut University Interzone Wrestling Championship
	2015-16	
	Ragi.R II Chemistry	❖ Participation in Federation Cup Nationals Athletics ❖ 3rd Position in 400 Mts Hurdles in Calicut University Athletics
	Praveena.D	❖ 1st Position in under 46 kg category in Calicut

	II Botany	University Taekwondo Championship ❖ 1st position in the Senior State Taekwondo Championship
	Aiswarya.V I Economics	❖ 1st Position in under 57 kg category in Calicut University Taekwondo Championship ❖ 1st position in the Senior State Taekwondo Championship
	Dinesh Kumar I BBA	❖ 2nd Position in under 63 5kg category in Calicut University Taekwondo Championship
	Sajith Kumar III Economics	❖ 3rd Position in under 52 kg category in Calicut University Taekwondo Championship
	Ranjith.C.C II Mcom	❖ Selected in the Calicut University Volleyball Camp ❖ Best player in the C-Zone Volleyball Championship
	Premkumar.P.K III Chemistry	❖ 2nd Position in Junior State Wrestling Championship
	Karthik.A.R II Maths	❖ Selected as Mr Palakkad in the palakkad District body building Championship
	Vipin II Instrumentation	❖ 2nd position in senior state basketball championship ❖ Participated in the NBA camp held at Trivandrum
	Ranjith.C.C Nirmal Raj Ajith Abhinand Krishnadas Divyamol Anju.K Bibitha	❖ Selected in the senior/youth volleyball state championship

	Volleyball Team	❖ Winners of Calicut University C-Zone Volleyball Championship ❖ Participated in the Calicut university interzone volleyball championship.
	Basketball Team	❖ Played Semi Final in Calicut University C-Zone Basketball Championship
	Cricket Team	❖ Participated in the C-Zone Cricket Championship
	Judo Team	❖ Participated in the Calicut University Interzone Judo Championship
	Wrestling Team	❖ Participated in the Calicut University Interzone Wrestling Championship
	Athletics Team	❖ Participated in the Calicut University Interzone Athletics Championship

24	List of eminent academicians and scientists/ visitors to the Department	NIL
25	Seminars/ Conferences organized and source of funding	NIL
26	Student Profile Programme/ Course wise	NA
27	Diversity of Students	NA
28	Number of students who cleared national and state level competitive examinations (NET, SLET/ GATE/ Civil services/ Defense services/ PSC/UPSC)	NA
29	Student progression Percentage of students progressing to higher education or employment	NA
30	Details of Infrastructural facilities (Library/ ICT/ Laboratory/ Instrumentation) Football Field, Cricket Pitch, 200 mts Running Track. Volleyball Court, Badminton Court, Weight Training Equipments	
31	Number of students receiving financial assistance from college/ University/ Government or other agencies	NA
32	Details on Student Enrichment Programmes: Nil	NIL

33	Teaching Methods to improve student learning • Imparting Advance Coaching and Training to the various teams of the College (Volleyball, Basketball, Cricket, Athletics, Taekwondo, Football, Tennis, Wrestling, Judo and Boxing) with coaches experts from outside • Physical Fitness Training Programmes are conducted for all sportsperson in common to improve the physical fitness ability
34	Participation in institutional social responsibility and extension activities • Conducted Calicut University C Zone volleyball Championship • Conducted Yoga Training Camp for College Students • Conducted Total Fitness Training Programme for College students • General physical Fitness Programmes and Recreational Activities • Annual Inter House Tournaments • Long Term Training Programme for children between 12-15 years in Soccer, Cricket, Athletics, Volleyball. • Extending the Facilities and expertise of the Department to local Schools and other Associations for promotion of sports and games. • Imparting Advanced Coaching and Training to the various Teams of Nearby the school (GBHSS Nemmara)
35	SWOC Analysis of the Department and Future Plans The mission of the Physical Education Program is to provide a comprehensive, progressive, and articulated physical education program through quality. Our students will attain the knowledge and skills to be physically active and healthy for life in the 21st century. All students will be physically active and educated, having acquired motor skills to perform a variety of physical activities, physical fitness knowledge, and intrinsic motivation to pursue a healthy and active lifestyle. **STRENGTH** • State and National level sports persons • All minor and major game facilities and training equipments

- Playground for practicing football, cricket and athletics.
- Management and PTA support
- Active participation of students in physical education programmes.

WEAKNESS

- Limited seats for UG and PG under sports quota
- Socially, economically and educationally backward district
- Lack of multipurpose indoor stadium facilities
- Lack of modern and advanced training facilities

OPPORTUNITY

- Job opprortunities for sports persons under state, central and private sector.
- Higher education opportunities through reservation under sports quota
- Wholesome personality development
- Women Empowerment through Sports
- Opprtunity to visit other places/ states/ countries
- Awareness of health related physical fitness programmes.
- Facilities for many sports and games items including football, cricket, volleyball, kabaddi, athletics, badminton etc.

CHALLENGES

- Shortage of time for improving academic performance
- Shortage of funds

FUTURE PLANS

- Construction of Basketball Court
- Construction of Multi Gym to provide advance level weight training facility to college students and outsiders
- Construction of Cricket Cement pitch and Nets.
- Construction of 200 mts Running track

ANNEXURES

UNIVERSITY OF CALICUT

(Abstract)

Affiliation – permanent to the Courses viz., B.A. History, B.A. Economics, B.Sc. Mathematics, B.Sc. Chemistry, B.Sc. Botany, B.Sc. Zoology, B.Com., M.Com., M.Sc. Mathematics degree courses from the academic year 2000-01 academic year onwards and B.B.A. degree course from the academic year 2001-2002 onwards in N.S.S. College (aided), Nemmara, Palakkad – granted orders issued.

GENERAL AND ACADEMIC BRANCH – I

No. GA I/D4/3817/2000 Dated, Calicut University P.O., 14.05.2010

Read:-

1. U.O. No.GA/A2/23847/70, dated 11.08.71.
2. U.O. No.GA/D2/1721/75, dated 30.10.1976.
3. U.O. No.GA1/D2/3817/2000, dated 29.06.2000.
4. U.O.No.GA1/D4/3817/2000, dated 31.01.2002.
5. U.O.No.GA1/D2/12126/83, dated 04.12.1984.
6. U.O.No.GA1/D2/12126/83, dated 04.01.2002.
7. U.O.No.GA1/D2/10020/80, dated 10.12.1981.
8. U.O.No.GA1/D4/10020/80, dated 19.12.2001.
9. U.O.No.GA1/D4/9670/80, dated 18.11.1981.
10. U.O.No.GA1/D4/9670/80, dated 15.10.2001.
11. U.O.No.GA1/D2/11109/82, dated 30.11.1982.
12. U.O.No.GA1/D4/11109/82, dated 20.10.2001.
13. U.O.No.GA/D2/8789/79, dated 09.09.1980.
14. U.O.No.GA1/D4/6789/79, dated 23.01.2002.
15. U.O.No.GA1/D3/7097 (2), dated 12.11.98.
16. U.O.No.GA1/D4/4683/99, dated 05.12.2001.
17. Letter No. **1)** G5/Affiliation/830/2000, dated 19.05.2000, **2)** No.G5/New Course/686/99, dated 01.08.2001 and **3)** No.G5/Affli/695/2009, dated 12.11.2009 from the Principal, N.S.S. College, Nemmara, Palakkad.
18. 1) Minutes of Syndicate meeting vide item No.2010.08 on 08.01.2010
    2) U.O.No.GA1/D4/3817/2000, dated 05.03.2010.

ORDER

Provisional affiliation was granted for starting four degree courses viz., 1) B.Sc. Mathematics, 2) B.Sc. Chemistry, 3) B.A. History and 4) B.Com. in N.S.S. College, Nemmara, Palakkad during the academic year 1970-71 and Continuation of Provisional Affiliation has been granted upto the year 2001-2002 as per U.O.'s read as 1 to 4.

Provisional affiliation was granted for starting M.Com. degree course in the College during the academic year 1984-1985 vide U.O. read as 5th. Continuation of Provisional Affiliation to the course upto the academic year 2001-2002 was also grants, vide U.O. read as 6th.

Vide U.O. read as 7th, Provisional affiliation was granted for starting M.Sc. Mathematics degree course in the college during 1982-83 academic year. Continuation of Provisional Affiliation to the course was also granted upto 2001-2002 academic year, vide U.O. read as 8th.

Provisional affiliation was granted for starting B.Sc. Botany in the college during the academic year 1981-82, vide U.O. read as 9th. Continuation of Provisional Affiliation to the course was granted upto the academic year 2001-2002, vide U.O. read as 10th.

Vide U.O. read as 11th, the provisional affiliation was granted for starting B.Sc. Zoology in the college during the academic year 1982-1983 Continuation of Provisional Affiliation to the course was also granted upto the academic year 2001-2002, vide U.O. read as 12th.

Provisional affiliation was granted for starting B.A. Economics degree course in the college for the academic year 1980-1981 vide U.O. read 13th to Continuation of Provisional Affiliation to the course was granted upto the academic year 2001-2002, vide U.O. read as 14th.

Vide U.O. read as 15th, Provisional Affiliation was also granted for starting B.B.A. Course during the academic year 1998-99 in the college. Continuation of Provisional Affiliation to the course upto 2001-2002 academic year was also granted, vide U.O. read as 16th.

The Principal, N.S.S. College, Nemmara, Palakkad as per paper read as 17th has requested to grant permanent affiliation to 1) B.A. History, 2) B.A. Economics 3) B.Sc. Mathematics 4) B.Sc. Chemistry, 5) B.Sc. Botany 6) B.Sc. Zoology, 7) B.Com., 8) B.B.A., 9) M.Sc. Mathematics, 10) M.Com. degree courses for the academic year 2000-2001. An amount of Rs.10,000/- (Rupees Ten thousand only) has been remitted towards permanent affiliation fee vide chalan No.607 dated 11.02.2000, remitted at sub treasury, Alathur.

Vide the paper read as 18th, an Inspection Commission was appointed for verifying the facilities available in the college. The Inspection Commission have recommended to grant permanent affiliation to the courses. Syndicate at its meeting held on 06.03.2010, vide item No.2010.177 considered the question of granting permanent affiliation to the courses in N.S.S. College, Nemmara, Palakkad on the basis of Inspection Commission report and resolved to approve the Inspection Commission report and implement the recommendation.

Sanction has, therefore been accorded by the Vice-Chancellor granting permanent affiliation to the following degree courses from the academic year 2000-2001 onwards as noted below.

Sl. No.	Name of the Courses	Subsidiaries	Languages Under Part II	In take
1.	B.A. History	Indian Constitution & Politics/ General Economics	Malayalam/Hindi/ Sanskrit	40
2.	B.Sc. Chemistry	Physics/Mathematics	Malayalam/Hindi/ Sanskrit	24
3.	B.Sc. Zoology	Chemistry/Botany	Malayalam/Hindi/ Sanskrit	24
4.	B.Sc. Mathematics	Mathematical Economics/Statistics	Malayalam/Hindi/ Sanskrit	40
5.	B.A. Economics	Modern Indian History and Indian Constitution/ Politics	Malayalam/Hindi/ Sanskrit	40

6.	B.Sc. Botany	Chemistry/Zoology	Malayalam/Hindi/ Sanskrit	24
7.	B.Com with Finance	---	Malayalam/Hindi/ Sanskrit	60
8.	B.B.A.	---		30
9.	M.Com.			10
10.	M.Sc. Mathematics	(Graph Theory and numerical analysis as electives)	------	10

Selection and admission shall be made only on the basis of the rules and regulations of the University/Government and on the basis of the directions issued by the University/Government from time to time, failing which the affiliation granted will automatically be cancelled.

In the light of the direction of the Supreme Court of India in writ petition (C) 656/1998, the institution shall take appropriate measures for prevention of ragging in any form. In case of failure to prevent the instances of ragging, appropriate action including with drawal of affiliation of the college will be initiated.

Orders are issued accordingly.

Sd/-
DEPUTY REGISTRAR (G&A-I)
For REGISTRAR

To,

The Principal, N.S.S. College
Nemmara, Palakkad

Forwarded / By Order

SECTION OFFICER

Copy to :- 1) University Grants Commission, New Delhi.
2) The Principal Secretary to Government, Higher Education Department, Trivándrum
3) Director of Collegiate Education, Trivandrum
4) The Deputy Director of Collegiate Education, Thrissur.
5) Controller of Examination (3 Copies)
6) PS to Vice-Chancellor/PA to Registrar
7) DR GA-II/IV
8) GA I A/F/G Section
9) GA IV B/C/E/J Section
10) DR Concerned Branches, Pareeksha Bhavan
11) SF/DF/FC

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N.S.S. COLLEGE NEMMARA-678508

PRINCIPAL,
N.S.S. COLLEGE, NEMMARA

UNIVERSITY OF CALICUT

(Abstract)

Affiliation - Permanent affiliation for B.A.English Literature in N.S.S.College, Nemmara - granted - Orders issued.

= =

GENERAL AND ACADEMIC BRANCH I

No:GAI/D2/8446/95 Dated, Calicut University P.O., 4.12.2000

= =

Read:- 1)U.O.No.GAI/D2/8446/95 dated, 13.12.95, 16.10.96, 16.5.98 and 4.10.99.

2)Letter No.G5/New course/956/98 dated, 22.7.99 from the Principal, N.S.S.College, Nemmara.

3)Minutes of the meeting of the Syndicate held on 17.5.2000 vide item No.2000.224.

4)Letter No.G5/New course/956/98 dated, 9.8.2000 from the Principal, N.S.S.College, Nemmara.

5)Minutes of the meeting of the Syndicate held on 11.10.2000 vide item No.2000-859.

O R D E R

Provisional affiliation was granted for starting B.A.English degree course during the academic year 1995-96 with an intake of 24 students and continuation of provisional affiliation was granted to the course upto the academic year 1999-2000 as per U.O.read as (1) above.

The Principal, N.S.S.College, Nemmara has requested to grant permanent affiliation to the course vide his letter read as 2nd above. The inspection commission appointed to verify the facilities available in the college, had furnished its report.

The Syndicate at its meeting held on 17.5.2000 vide item No. 2000.224 considered the question of granting permanent affiliation for B.A. English in N.S.S.College, Nemmara and resolved that the compliance report on the requirement pointed out by the commission be called for. The Principal, N.S.S.College, Nemmara was informed of the same and he had furnished the compliance report vide letter read as 4th above.

The Syndicate at its meeting held on 11.10.2000 vide item No. 859 considered the question of granting permanent affiliation to B.A. English Literature in N.S.S.College, Nemmara and resolved that permanent affiliation be granted for B.A.English Literature in N.S.S.College, Nemmara.

23/12

(contd...2)

Permanent affiliation to B.A. English main granted.

Sanction is therefore accorded granting permanent affiliation for B.A.English degree course with Cultural and Literary History of Britain and Journalism as subsidiaries and Hindi/Malayalam/Sanskrit under Part II Languages in N.S.S. College, Nemmara from the academic year 2000-2001 with an intake of 24 students.

Sd/-
DEPUTY REGISTRAR (G&.AI)
For REGISTRAR

To

The Principal
N.S.S.College, Nammara

Copy to:-

1)The Secretary, U.G.C, New Delhi.
2)The Principal Secretary to Govt.
Higher Education (B) Dept, Thiruvananthapuram
3)The Director of Collegiate Education
Thiruvananthapuram
4)The Deputy Director of Collegiate Education, Thrissur
5)The CE
6)JR (GA.II)
7)GAI 'A'/'B'/D3
8)SF/DF/TC

FORWARDED/ BY ORDER

SECTION OFFICER

kk/4/12/

U N I V E R S I T Y O F C A L I C U T

(ABSTRACT)

Permanent affiliation - B.Sc Physics course in N.S.S.College, Nemmara - Granted - Orders Issued.

GENERAL AND ACADEMIC BRANCH-I

NO:GAI/D4/8917/79 Dated: Calicut University-PO., 14-7-2001

Read:-1)U.O.NO:GA.D2/ 8917/79 dated : 17--8--1979

2) U.O.NO:GAI/D2/8917/79(1) dated : 4-7-2000

3) Letter NO: G5/Affle/830/2000 dated : 19-5-2000 from the Principal, N.S.S.College, Nemmara.

4) Report of the Inspection Commission dated :20-12-2000.

5) Item NO: 2001.114 of the Minutes of the meeting of the Syndicate held on 28-2-2001.

::

O R D E R

Provisional affiliation was granted for starting B.Sc Physics degree Course in N.S.S. College, Nemmara during the academic year 1979-80 with an intake of 20 students as per the U.O. read as 1st above.

Continuation of provisional affiliation was granted for B.Sc Physics degree course in NSS College, Nemmara up to 1999--2000 as per U.O. read 2nd above.

As per letter read '3' above, the Principal N.S.S. College, Nemmara has requested to grant permanent affiliation to B.Sc Physics degree course.

The Inspection Commission has reported that the College will have adequate facilities and recommended granting of permanent affiliation to the B.Sc Physics degree course at N.S.S. College, Nemmara.

cont...p.2.

Syndicate at its meeting held on 28..3..2001 Vide Item NO: 2001.114 considered the question of granting permanent affiliation for B.Sc Physics course in NSS College, Nemmara and resolved that permanent affiliation for the B.Sc degree course in Physics in N.S.S. College, Nemmara be granted.

Sanction is therefore accorded by the Vice-Chancellor granting permanent affiliation for B.Sc Physics degree course from 2000-2001 with Chemistry and Mathematics as subsidiaries and Malayalam/ Hindi/Sanskrit under Part.II Language in NSS College, Nemmara with an intake of 20 students.

Sd/-

DEPUTY REGISTRAR (G & A.I)
For R E G I S T R A R.

To

The Principal,

N.S.S.College, Nemmara.

Copy to :-

1. The Secretary, University Grants Commission, NEW DELHI.
2. Principal Secretary to Government, Higher Education 'B' Department, THIRUVANANTHAPURAM.
3. The Director of Collegiate Education, Thiruvananthapuram
4. The Deputy Director of Collegiate Education, ~~Kozhikode~~. Thrissur
5. C.E / J.R-GA..II / GA.I 'J' Section

SF / DF / FC

FORWARDED / BY ORDER

SECTION OFFICER.

NKL/16/7/01

File Ref.No.43369/CDC-A2/2014/CU

UNIVERSITY OF CALICUT

Abstract

CDC - Inspection Commission for Continuation of Provisional Affiliation to B.Sc Instrumentation programme at NSS College, Nemmara, Palakkad up to the academic year 2016-17 - Appointed - Orders issued.

CDC-A

U.O.No. 12416/2016/Admn Dated, Calicut University.P.O, 22.10.2016

Read:-1. G.O (MS) 162/99 H. Edn dated 06.12.1999.

2. U.O. No. GAI/D3/7983/98 dated 13.12.1999.
3. Letter No. 43369/CDC-A2/2014/CU dated 23.07.2014.
4. Letter No. 43369/CDC-A2/2014/CU dated 04.07.2015.
5. Letter No. 43369/CDC-A2/2014/CU dated 23.05.2016.
6. Letter No. 43369/CDC-A2/2014/CU dated 08.06.2016.
7. Letter No. G5/Affiliation/53/2016 dated 13.01.2016.
8. Letter No. G5/Affiliation/832/2016 dated 18.08.2016.

ORDER

The Provisional Affiliation for starting new course viz. B.Sc Instrumentation at NSS College, Nemmara, Palakkad was granted as per the G.O. read as 1st above during the academic year 1999-2000 vide U.O. read as 2nd above. Since the college has not applied for Continuation of Provisional Affiliation of this course till the academic year 2015-16, the University has informed the college many times to apply for Continuation of Provisional Affiliation to B.Sc Instrumentation programme with all pending affiliation fee vide paper read as 3, 4, 5 and 6 above.

In response to our office letter, the Principal, N.S.S. College, Nemmara, Palakkad vide paper read as 7 and 8 above, has requested for Continuation of Provisional Affiliation to B.Sc Instrumentation programme up to the academic year 2016-17 and remitted required affiliation fee.

G5/1585/16 26-10-16

Considering the above, the Hon'ble Vice Chancellor has accorded sanction on 18.10.2016, to appoint **Dr. Anto Johny T., Associate Professor, St. Thomas College, Thrissur (Ph: 09847944215)** as Inspection Commission for Continuation of Provisional Affiliation to B.Sc Instrumentation programme up to the academic year 2016-17.

The Inspection Commission will verify the facilities available in the college for teaching the subjects and report on the facilities available at NSS College, Nemmara, Palakkad **(04923 244265)**, so as to

consider the request for granting Continuation of Provisional Affiliation to the courses in the college.

The Subject Expert will prepare a report on the physical and instructional facilities available for teaching the subjects, library books, laboratory, teaching faculty etc. and forward to the University.

The Commission members will be paid TA/DA for the journey in connection with the inspection as per rules. The expenditure on this account will be met from the Head of Account Part 1 Non plan- 03, Travel Expenses of authorities - 2002-01 of the current years budget allocation.

Orders are issued accordingly.

Girija M.V
Deputy Registrar

To

Dr. Anto Johny T., Associate Professor, St. Thomas College, Thrissur.

Copy to:

1. The Principal, NSS College, Nemmara, Palakkad (with request to remit Rs. 5,000/- as inspection fee and forward the original chalan receipt to this office).
2. Finance/Budget/JDLFA.

Forwarded / By Order

Section Officer

Grams : UNICAL
Fax : 0494-2400269
Ø : 0494-2400252
(EPABX) : 2 401144—47
Extn. 128
Email dcdcunical@rediffmail.co

Calicut University P.O.,
Pin 673 635
Kerala (India)

UNIVERSITY OF CALICUT
(College Development Council)

No. CDC/B$_2$/Misc./1861/2004 Date: 29-03-04

To whom it may concern

This is to certify that the N.S.S. College, Nemmara, is included under the 2(F) & 12(B) of UGC Act 1956, as per the list received from the UGC in this regard.

The Certificate is issued for the NAAC Accreditation purpose.

DIRECTOR

College Development Council
University of Calicut

PRINCIPAL,
NSS COLLEGE, NEMMARA.

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the National Assessment and Accreditation Council on the recommendation of the duly appointed Peer Team is pleased to declare the

N. S. S. College

Nemmara, Palakkad, affiliated to University of Calicut, Kerala as

Accredited

at the B^+ level.

Date : February 10, 2007

Director

- This certification is valid for a period of *Five* years with effect from February 10, 2007
- An institutional score (%) in the range of 55-60 denotes C grade, 60-65-C^* grade, 65-70-C^{**} grade, 70-75- B grade, 75-80- B^* grade, 80-85-B^{**} grade, 85-90- A grade, 90-95-A^* grade, 95-100-A^{**} grade (upper limits exclusive)

Quality Profile

Name of the Institution : N. S. S. College
Place : Nemmara, Palakkad, Kerala

Criterion	*Criterion Score (Ci)*	*Weightage (Wi)*	*Criterion X Weightage (Cix Wi)*
I. Curricular Aspects	80	10	800
II. Teaching-learning and Evaluation	80	40	3200
III. Research, Consultancy and Extension	70	05	350
IV. Infrastructure and Learning Resources	75	15	1125
V. Student Support and Progression	80	10	800
VI. Organisation and Management	75	10	750
VII. Healthy Practices	70	10	700
		100	$\Sigma C_i W_i = 7725$

$$\text{Institutional Score} = \frac{\Sigma C_i W_i}{\Sigma W_i} = \frac{7725}{100} = 77.25$$

Director

PRINCIPAL,
NSS COLLEGE, NEMMARA.

EC/41/21

A3. 13836/04

Taluk Office, Alathur.
Dated: 04.10.2004.

CERTIFICATE

Enquiry reveals that the N.S.S. College, Nemmara, is situated at Melarcode Village of Alathur Taluk in Palakkad District, which is a rural and backward area.

This certificate is issued to be produced before the N A A C; for accreditation purpose only.

Tahsildar, Alathur.

PRINCIPAL,
NSS COLLEGE, NEMMARA

विश्वविद्यालय अनुदान आयोग
नैरुत्य प्रादेशिक कार्यालय
UNIVERSITY GRANTS COMMISSION
SOUTH WESTERN REGIONAL OFFICE
P.K. Block, Palace Road, Gandhinagar
Bangalore-560 009.
Phone : (080) 2228 0380 Fax : (080) 2228 0381

ज्ञान-विज्ञान विमुक्तये

F.No 3-1(011)/2012(UG)(XII PLAN)/KLCA011/SWRO

The Principal
NSS COLLEGE
NEMMARA, PALAKKAD
KERALA - 678 508

21-Mar-14

Sub: XII Plan allocation under General Development Assistance to Colleges –

Sir/Madam,

I am directed to convey the approval of the UGC to NSS COLLEGE, NEMMARA, PALAKKAD, KERALA, the XIIth plan allocation under the "General Development Assistance" (GDA) for the development of undergraduate and postgraduate education. The UGC in the XIIth plan has decided to provide grants under General Developmental Assistance as 'Block Grant'. The college will have the flexibility to incur expenditure as per the needs of the college. Accordingly, grant allocated under GDA to the college is under two object heads viz. Grant-in-aid General(31) and Capital Assets (35).

Capital Assets (35) 80% of total allocation Rs.	Grant-in-aid General (31) 20% of total allocation Rs.	Total Rs.
3512906/-	878226/-	4391132/-

1. The aforementioned allocation is for the development of undergraduate and postgraduate education.The amount released may be utilised within the allocated amount under Grant-in-aid General (31) and Capital Assets (35) as conveyed vide letter no. 3-1(011)/2012(UG)(XII PLAN)/KLCA011/SWRO dated 21-Mar-2014. Re-appropriation of funds between Grant-in-aid General (31) and Capital (35) is not permissible.
2. The heads underwhich college can incur expenditure include Books and Journals, Equipment, Instrumentation facilities, Construction/Extension/Renovation of building, improvement of existing premises, competence building initiatives in colleges, Educational innovation, Field Work/Study Tours, Extension Activities, ICT in education, Common room and toilet for women, Day Care Centre, Human Rights and Duties Education and, Career and Counseling Cell.
3. The college has to constitute a Planning Board with Principal as Chairman and Heads of departments, IQAC Coordinator, Librarian Bursor/Senior person from the Accounts department, as members.
4. The Planning Board will finalise allocation to Undergraduate and Postgraduate departments after identifying the heads and deciding on priorities of departments.
5. The eligibility criteria for Undergraduate and Postgraduate departments to get assistance under the scheme is given in the XIIth plan guidelines for General Development Assistance Grant to Colleges. The Planning Board may refer to the guidelines before finalizing allocation to Undergraduate and Postgraduate departments.
6. Expenditure on construction/extension/renovation of building should not exceed 50% of the total grant under GDA. The college must inform the requirement of funds or otherwise for construction/extension/ renovation of building to UGC-SWRO, as per the procedure given in the XIIth Plan guidelines for the scheme of Development Assistance to colleges for the construction of buildings during the XIIth Plan to enable release of first installment grant for construction/extension/renovation purpose.
7. After finalizing the budget allocation for Undergraduate and Postgraduate education, the Planning Board should submit the details as per Annexure-I and Annexure-II in the XIIth Plan guidelines alongwith building committee resolutions; in case funds required for Construction/Extension/Renovation, to the UGC, SWRO, Bangalore, on or before 31st June, 2014.

Yours faithfully

(Dr.N. Gopukumar)
Deputy Secretary

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NSS COLLEGE, NEMMARA
Palakkad, Kerala-678 508

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.

Nemmara

30-03-2017

Dr. G.Pramod

PRINCIPAL

N S S COLLEGE, NEMMARA

CERTIFICATE OF COMPLIANCE

This is to certify that N.S.S College, Nemmara fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.]
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.

30/03/2017
Sasthamcotta

Dr. G. Pramod
Principal