

SELF STUDY REPORT

SUBMITTED FOR RE-ACCREDITATION

To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
BANGALORE – 560 072**



M E S KEVEEYAM COLLEGE VALANCHERY

MALAPPURAM

KERALA, Pin-676 552

www.meskvmcollege.org

June 2014

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PREFACE

M E S Keveeyam College Valanchery has completed 33 years of dedicated service to the society in the realm of higher education. The College has endeavoured to fulfil its institutional mission with great success benefitting students of socially and economically marginalized groups of Malappuram and nearby districts.

The institution is sensitised to the need for improving the quality of higher education which, needless to say, is a long term investment the society makes, expecting returns by way of human resource development. We have always strived to fulfil this expectation

The institution volunteered for NAAC accreditation in the year 2006. The benchmarks set by NAAC in the seven criteria for assessment of quality provided us with sufficient guidelines to put in better efforts to achieve our mission and vision ensuring excellence in standards. The assessments by the peer team helped us to sit together and think creatively for improving our standards of quality and we have been striving to achieve them.

The application for Re-accreditation could not be submitted in 2012 which was the time span for it, due to technical reasons. The major deficiency pointed out by the NAAC Peer Team was the lack of adequate PG and UG Programmes. The college got sanctioned additional programmes only in 2013-14

Since building up quality is a continuous process the college has always been striving to achieve them on a priority basis. The present report is a careful appraisal of the progress and development that the college has made in the last five years.

Valanchery
09-06-14

K. H. Abdul Razzak
(Principal)

ABOUT OUR INSTITUTION

M E S Keveeyam College was established in 1981 as an aided, affiliated college under the aegis of Muslim Educational Society (MES). Before the college came into being, the higher educational aspirations of the young people of this predominantly agrarian and backward area were met by an unaided institution in the parallel stream. It was the long and concerted efforts of the local population under the visionary leadership of men like late Dr. N. K. Mohammed, the first practitioner of modern medicine in this locality and Sri. K. V Mohamed, a prominent businessman and philanthropist, among others with the active involvement of MES, which made a regular college a reality.

Valanchery, located in the backward revenue district of Malappuram is socially, economically and educationally backward area. The catchment area of the college spreading over the Taluks of Tirur, Ponnani and Perinthalmanna in Malappuram district and Ottappalam in Palakkad district is uniformly poor by all development indicators. However, like many other places in the country, the area has a rich and varied history.

River Nila, on the banks of which a highly rich and refined civilization flourished in the past, flows close by. The river enjoys a unique place in the cultural profile of this region. Tirunavaya, on the Nila, is the nationally reputed centre of Vedic learning and in modern times the place has been associated with Gandhiji, Kelappaji and the Sarvodaya Movement. Annual Sarvodaya meet, held here every year, attracts wide attention.

The unique hegemonic power structure evolved and perpetuated for centuries by Brahmins in this part of the country, which will be of great interest to any student of history, had its central seat of authority in the Tambrakkal (Samrat) of Azhvanchery Mana at Athavanad here. The village is associated with the legend of Vararuchi, a sagely Brahmin marrying a low caste woman for her exceptional intelligence and fathering 12 children who were thrown away on birth at the mercy of elemental forces and latter 11 of them growing as members of 11 different castes ranging from Brahmin to Chamar (the diasporas interestingly including a Muslim) and all the siblings coming together and part-taking food on the death anniversary of their parents every year, which offers interesting insight into the essentially secular character of our ancient culture. In more recent years,

Valanchery is known for the long tradition of Ayurveda practitioners. The house of Changampally has the reputation spanning over generations in the field. The famed centre of Ayurveda, the Kottakkal Arya Vaidya Sala is only 20 Kms away from us. Valanchery has also a great tradition of exquisite metal craft, especially brass utensils and idols.

Like most other parts of the country under colonial rule, here too the glorious past gave way to deprivation of every kind. The learned and landed Brahmins and mostly illiterate Muslim peasantry resisted English education with equal vehemence, though for different reasons. Turning their back on western education, cost the people dearly. At the dawn of independence, the place had practically nothing to write home about. The social and economic backwardness of the people was perpetuated by the lack of opportunities for higher education.

It was this scenario which prompted some of the educated and enlightened citizens of Valanchery to come together and work for establishing an institution of higher education. As starting an aided-affiliated college was a matter of governmental policy decision, the enthusiastic leadership started the college as a private, unaided institution in the parallel stream under the umbrella of Muslim Educational Society in 1977. The avowed mission of the founders were to extend higher education to as many young and aspiring men and women as possible in endorsement of the time-tested philosophy of social dynamics envisaging education as the single most powerful tool for a socially and economically deprived people to achieve upward mobility.

The college, which came up on a hilltop near Valanchery, received affiliation and aided status in 1981. Next year it was relocated to the present site for more easy accessibility. From the thatched roof sheds in a water logged field, the college has come a long way to have adequate buildings and a beautiful campus which it boasts of now. The college has achieved matching progress in academic front both in quality and quantity with new courses, added facilities and consistently very good performance in university level examinations.

As the college enters its 33rd year of meaningful service and having fulfilled its initial goal of opening up higher education opportunities for as many young and aspiring scholars of

the rural population as possible, though not in full measure, but very substantially, we feel that it is time we turned more quality conscious and more focussed in our mission. No one can afford to overlook the emerging changes taking place in every walk of life in the wake of globalisation. Higher education is undergoing thorough changes in content, management and funding. As the concept of brand-image in higher education catches on, every institution will have to undergo SWOT analysis and brace itself up for future challenges. We do believe that, while first accreditation defined our past status, the process of undergoing re-accreditation will help us for introspection, to take stock of our strength, weakness, opportunities and threats and thus prepare ourselves for the challenges of a highly competitive future.

EXECUTIVE SUMMARY

MES Keveeyam College Valanchery has 33 years experience in providing quality education to students mostly belonging to rural areas of Malappuram and nearby districts of Kerala. We are committed to become a leading centre of higher learning nurturing all-round academic excellence along with core human values; a vibrant institution which enlightens the youth just as it enriches and empowers them and remains a resource centre for the larger community. Our mission is to fulfil meaningfully the higher educational aspirations of the young men and women of the socially and economically backward area by equipping them with the enabling knowledge and skills for achieving upward mobility.

The quality enhancement of institutions of higher education is the need of the hour as it ensures the standards and paves the way for nation building. We strive to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institution. The college has been accredited with B grade by NAAC in 2006-2007 and we volunteer for the second cycle of accreditation, submitting our Self Study Report (SSR- 2014), a document that faithfully conforms to NAAC's guidelines and records our vision, mission and novel initiatives in our search for excellence in education.

The College being the long cherished dream of the people of the region, they look up on the college as a centre of higher education which provides quality education at a low cost. Through its efficient functioning, the college has lived up to the expectations of its students, teacher community, other well wishers and the funding agencies.

MES Keveeyam college is committed to empower its students to think independently, to understand the complexities and challenges of today's life and transform them into opportunities. The college has introduced three new programmes in 2013, of which two are conventional and the remaining one is non-conventional programme. The curriculum has undergone structural changes over the last few years. Semesterisation of UG and PG programmes has been introduced in 2009. Our faculty, administrative staff and students adjust quite easily to the reforms.

Being a lead centre of higher education in the district of Malappuram, the college need not think of scrapping any of its courses, as demand for the existing programmes is on the increase every year. The student profile of the college clearly justifies its asserted central missions of empowerment of backward classes, education of women, secular outlook and communal amity. More than 80% of the student community belongs to minority/backward classes including SC and OBC categories. The co-educatory status, striking a blend of different religions and communities and poor socio-economic status of the students substantiate the existence and highlight the purpose of the institution.

More than seventy five percent of students are girls. The increase in the number of girl students is a clear indicator of their increased presence in the public sphere. The active involvement of girl students in democratic, curricular and co-curricular activities is a litmus test of college's true ideals.

The academic community of the college has been alive to the changing priorities of the society. There is a greater expectation from the society regarding the output of the college. The members of the faculty are always conscious of their responsibilities. The funding agencies like UGC have provided adequate financial assistance to the various science and humanities departments for their programmes aimed at achieving academic excellence. Minor research projects have been undertaken by the faculty members to explore new vistas of knowledge. The highly committed and duty-bound faculty is perhaps the greatest asset of the college. They have been showing keen interest in organizing seminars and workshops and also in undertaking research projects. Many teachers of the college have an extensive list of publications to their credit. Despite the formidable obstacles imposed on aspiring researchers on account of a rigorous teaching schedule and assignments, there has been a phenomenal increase in the number of publications and research works. Some of the teachers have published books in English, Malayalam and Hindi. Participation of faculty in seminars, workshops and conferences is on the increase. Effective academic environment is promoted by encouraging the teachers to take up orientation/refresher courses.

The faculty along with the students work together in fulfilling institution's social responsibility through different extension activities. Solace to the Destitutes - the endeavor of the students and the staff to understand the problems of the aged and the mentally

retarded accommodated in the Old-age Home, 'Pratheeksha Bhavan' (home of hope) and Juvenile Homes run by the state government and their initiative to provide some relief to them has drawn wide appreciation.

The college has improved its facilities for ensuring a better teaching and learning environment. Smart classrooms, well-equipped laboratories, a language lab, a general computer lab, well-stacked library, internet facility in all departments, Wi Fi connectivity are among the highlights as far as enhancements in infrastructure are concerned. UGC/Government funds are supplemented by sufficient contributions by the management and PTA for the all-round development of the college. Various schemes such as Career Guidance, Remedial Coaching Scheme, Minority Coaching, and Equal Opportunity Centre take care of the special needs of the students in academics and also help in setting career goals. Deserving students are offered various scholarships.

There is a greater amount of teacher-student interaction in the college. The tutorial sessions are of great help in this regard. The strength of the college is not just in academics. The college is equally good at cultural events and sports. One of our students has been selected to the Senior National Baseball team last year. The girl students are specially attended to by the Women Empowerment Cell. Greater sensitivity to social issues is created through the activities of the National Service Scheme. Department of Chemistry conducts short term training programmes to help the students compete in the UGC/ CSIR examinations. The placement record of the students in various government departments/ private sectors is remarkable.

Principal acts as the intermediary between the college and the Management. He ensures that the funds are received and utilised from management and government every year for repair/ maintenance works and the general welfare of the college. He pays attention to the suggestions of the teachers and the administrative staff. The college has also been getting tremendous support from the public, former students and former faculty. The Alumni is an active stakeholder in the smooth functioning of the college in organising special programmes and social services. The college PTA extends full support to the divergent activities of the college. The administrative staff, including those of the laboratory and general library, have contributed greatly to the smooth running of the college despite the fact that their responsibilities have also increased in the recent years.

The college is conscious of its limitations as well. The number of academic programmes (both UG and PG) is limited. Every year we are applying for new courses. But, being a government aided college, it is the policy decision of Government and University to sanction new courses in aided colleges. Lack of research centre is another limitation. The PG Department of Chemistry has applied for affiliation as a research centre and it is hoped that sanction will be accorded soon. Though on the decrease, the number of dropouts is yet another challenge faced by the college. Early marriage prevalent in this part of the state is the reason behind the dropout of girls. Teachers need more facilities for research and up-gradation of knowledge base.

PART I

PROFILE OF THE COLLEGE

PROFILE OF THE AFFILIATED / CONSTITUENT COLLEGE

1. Name and Address of the College:

Name :	MES KEVEEYAM COLLEGE, VALANCHERY	
Address :	P.O. VALANCHERY, MALAPPURAM (DT)	
City : VALANCHERY	Pin : 676552	State : KERALA
Website :	www.meskvmcollege.org	

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Prof.K.H. Abdul Razzak	O: 0494-2644380 R: 0494-2643225	9946023225	0494-2641347	principal@meskvmcollege.org iqac.meskvm@gmail.com
Vice Principal	Nil				
Steering Committee Co-coordinator	Dr.C. Rajesh	O: 0494-2644380 R: 0494-2645879	9446768376		rajeshvlcy@rediffmail.com

3. Status of the Institution : **Affiliated College**

4. Type of Institution:

a. by Gender: **Co-education**

b. by Shift: **Regular**

5. It is a recognized minority institution?: **Yes**

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence: **Religious (Documentary evidence attached)**

6. Sources of funding: **Grant in Aid**
7. a. Date of establishment of the college: **01-09-1981**
- b. University to which the college is affiliated /or which governs the college (If it is a constituent college) **University of Calicut**
- c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks(If any)
i. Under 2(f)	24-02-2000	
ii. Under 12(B)	04-08-2003	

(Copy of Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act enclosed)

- d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.): **Nil**
8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges? **Yes**
- If yes, has the College applied for availing the autonomous status?: **No**
9. Is the college recognized?
- A. by UGC as a College with Potential for Excellence (CPE): **No.**
- B. for its performance by any other governmental agency?: **No**

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

Location *	Rural
Campus area in sq. mts.	93077.7
Built up area in sq. mts.	6070.20

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Mention the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

Campus Facility	Availability	Remarks
Auditorium/ seminar complex with infrastructural facilities	Available	250 Plus seating capacity
Conference Hall (Air Conditioned)	Available	50 seating
Seminar Hall	Available	100 seating capacity
Sports Facilities		
1. Play ground	Available	1
2. Swimming Pool	Not Available	
3. Gymnasium	Available	1
Hostel		
1. Boy's Hostel	Not Available	
2. Girls' Hostel	Available	Girls' Hostel has mess, reading room, common room for refreshment and entertainment etc.
Working women's hostel	Not Available	
Residential facilities for teaching and non-teaching staff	Not Available	
Cafeteria	Available	Well furnished, well equipped
Health centre	Fitness centre available	
Facilities like banking, post office, book shops	Available (Book shop)	
Solid waste management	Yes	
Biological waste disposal	Yes	
Waste water management	Yes	

12. Details of programmes offered by the college (Give data for current academic year)

Sl. No	Programme level	Name of the Programme	Duration (Semester)	Entry Qualification	Medium of instruction	Sanctioned Student strength	No. of students admitted
1	Under Graduate	B Sc (Polymer Chemistry)	6	Higher Secondary	English	36	36
		B Sc (Physics)	6	Higher Secondary	English	36	36
		B Sc (Zoology)	6	Higher Secondary	English	36	36
		B Com (Finance)	6	Higher Secondary	English	60	60
		B A (Functional English)	6	Higher Secondary	English	40	40
		BCA*	6	Higher Secondary	English	24	15
2	Post Graduate	M Sc (Polymer Chemistry)	4	BSc Chemistry	English	12	12
		M Com	4	B Com	English	20	20
		MA English* (Language and Literature)	4	Any Degree	English	20	20

*Self-financing course

13. Does the college offer self-financed Programmes?

Yes

If yes, how many? 2

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

Yes	✓	No		Number	3
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15. List the departments

Faculty	UG	PG
Science	Chemistry	Chemistry
	Physics	
	Zoology	
Arts	English	English
Commerce	Commerce	Commerce
Any Other	Computer Application	

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, and M.Com)

- A. Annual System : 0
 B. Semester System : 9
 C. Tri Semester System : 0

17. Number of Programmes with

- a. Choice Based Credit System : 9
 b. Inter/Multidisciplinary Approach : 0
 c. Any other (specify and provides details) : 0

18. Does the college offer UG and/or PG programmes in Teacher Education?;

No

19. Does the college offer UG and/PG programmes in Physical Education?; **No**

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

Positions	Teaching faculty						Non-teaching staff		Technical staff	
			Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government			7	7	6	7	17	6		
Recruited			7	7	6	6	17	6		
Yet to recruit			0	0	0	0	0	0		
Sanctioned by the Management/ society or other authorized bodies										
Recruited										
Yet to recruit										

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			2	2	2	2	8
M.Phil.					3	1	4
PG			5	5	1	3	14
Temporary teachers							
Ph.D.							
M.Phil.							
PG					3	5	8
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

22. Number of Visiting Faculty /Guest Faculty engaged with the College: **0**

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

	2010-11		2011-12		2012-13		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	7	31	6	37	15	28	6	38
ST	0	1	0	1	0	0	0	0
OBC	32	94	38	95	22	123	47	118
General	8	38	6	20	16	14	10	34

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

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	222	38	0	0	260
Students from other states of India	0	0	0	0	0
NRI students	0	0	0	0	0
Foreign students	0	0	0	0	0
Total	222	38	0	0	38

25. Dropout rate in UG and PG (average of the last two batches)

UG: **3%**

PG: **0%**

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component

Rs.44463.7

(b) Excluding the salary component

Rs.1641.5

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

If yes,

- a) Is it a registered centre for offering distance education programmes of another University: **Yes**
- b) Number of programmes offered: **7**
- c) Programmes carry the recognition of the Distance Education Council.
Yes

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

Sl.No	Name of the Department	UG	PG
1	Chemistry	1:27	1: 3
2	Physics	1:27	
3	Zoology	1:36	
4	English	1:30	1:3
5	Commerce	1:45	1:5
6	Computer Application	1:04	

29. Is the college applying for?

Accreditation: **Cycle 2**

30. Date of accreditation:

Cycle 1: **31-03-2007**

Accreditation Outcome/Result...B Grade (Score 72)

(Copies of accreditation certificate and peer team report(s) enclosed as an annexure)

31. Number of working days during the last academic year: **193**

32. Number of teaching days during the last academic year: **183**

(Teaching days means days on which lectures were engaged excluding the examination days)

33. Date of establishment of Internal Quality Assurance Cell (IQAC) IQAC:

09/06/2007

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

Year	Date of Submission
2007-08	13-11-2013
2008-09	13-11-2013
2009-10	13-11-2013
2010-11	13-11-2013
2011-12	13-11-2013
2012-13	Online submission, December 2013
2013-14	09-06-14 (Online)

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

PART II

CRITERION WISE INPUTS

CRITERION I

CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

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

Vision

Be a leading centre of higher learning nurturing all-round academic excellence along with core human values: a vibrant institution which enlightens the youth just as it enriches and empowers them and remains a resource centre for the larger community.

Objective

- To fulfill meaningfully the higher educational aspirations of the young men and women of the socially and economically backward area by equipping them with the enabling knowledge and skills for achieving upward mobility.*
- To make every effort, as a young institution for horizontal and vertical growth with more custom made courses in diverse disciplines at UG and PG levels with state of the art facilities for teaching and learning.*
- To strive continuously, to maintain and improve quality standards in all curricular and co-curricular activities creating a benchmark for excellence.*
- To offer students a wholesome campus experience where they will learn along with the boundless pleasures of pursuing knowledge, the principles and practices of a harmonious vision of life to emerge as fine human beings and worthy citizen of a dynamic pluralistic, egalitarian world.*

The mission and goals of the institution have been well defined with clarity in the prospectus of the college, published at the beginning of every academic session and made available to the students at the time of admission. The vision and mission of the college are displayed in places of high visibility, to motivate the students. Orientation programme at the beginning of the academic year helps to communicate our views to the parents of the newly joined students. It can also be accessed through the college web site. Total quality management is the cornerstone of its mission which focus to equip the learners with intellectual, moral, ethical and physical qualities and provide them all the skills and expertise required to face the challenges of a competitive social environment. Emphasis has been laid on education of socially weaker and disadvantaged students as the area is thickly populated with SC and OBC communities. The college strives to bring the learners in the mainstream of higher education by opening all avenues of equity and access. The vision and mission have been incorporated in the policy framework to guide all academic, administrative and outreach functions.

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 examples.

The education system has been changed over the past few years. By the introduction of the Choice based Credit and Semester System & grading system for evaluation, the education system has changed profusely and has become student centered. It has undergone transformation from exclusive summative evaluation to continuous evaluation, from annual to semester system and from chalk and talk to activity based teaching-learning. The curriculum promotes more interdisciplinary approaches by giving freedom both to students and colleges to opt for the open courses and the electives of their choice.

The institution has an effective mechanism for the implementation of curriculum. An academic calendar is prepared at the beginning of each academic year in which all details like schedule of internal examination, course content, functioning of various clubs, number of working days, holidays, rules and regulations of institution are mentioned. Each department has to submit the

monthly action plan and statement showing the distribution of work and syllabus among teachers. Practices like the teaching plan and maintenance of Class Diary which records all classroom activities prepared by student coordinator of each class, are meticulously followed by all departments. The Department Diary and continuous assessment process etc make the teachers accountable and students more responsible. Heads of the Departments are entrusted to monitor the implementation of work according to the action plan. Seminars, assignments and attendance monitoring are also relied upon for the assessment of the students. Student's projects are chosen and implemented in a time – bound manner. In addition, study tours, field studies, visit to research institutions are followed to enhance the teaching-learning process. Academic Monitoring Cell functions to supervise all the academic activities of the institution.

The prescribed curriculum is supplemented with latest developments in a particular discipline. ICT is introduced in a big way to enable the students and staff to keep track of the ever widening horizon of knowledge. We make the entire teaching-learning programme and campus experiences embedded with value orientation.

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

Teachers are receiving guidance and directions from the University for proper implementation of the curriculum. Refresher Courses, Orientation Programme, Workshops etc are organized by the University for the teachers to supplement their knowledge in their respective field. University is also publishing books in certain subjects in order to facilitate teaching learning process. For practicals, Board of Examination is constituted in which teachers are getting proper direction for the conduct of both theory and practical examinations. Institution is providing good infrastructure facilities like spacious classrooms, smart classrooms, computers, internet facility, etc and meets the expenses of invited talks, seminars, workshops, etc. which are organized to supplement teaching.

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

Academic Monitoring Cell is functioning in the college to monitor the effective implementation of the curriculum. An effective tutorial system is also functioning in the College to support the academic monitoring cell. Each class is under the supervision of a tutor who guides and advises the students in all academic and non-academic activities. Personal problems of students are also addressed by the tutor. Class Coordinators are selected at the beginning of each academic year. They keep a Class Diary in which all the academic and non academic activities are recorded. Departmental diary is maintained by the concerned Heads of Departments and it tracks the working system of the Departments. In addition to that the library is also enriched with large number of books, e-books and internet facility. Smart classrooms are also provided for effective teaching.

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

Most of the departments have Extension and Consultancy Centres (Polychem, ZOEAC, Vagartha etc.) to coordinate all the activities which link institution with society. Polychem is providing guidance to small scale rubber and plastic industries functioning in the vicinity of the college for improving production, cost reduction, maintenance of machines, etc. Curriculum of both B.Sc and M.Sc programmes includes presentation of research works and it carries additional weightage in the final grade. For effective completion of research work, departments form a link with reputed research institutions like CUSAT, NIIST, IISER, NIAS, KFRI, IHRD etc. Frequent interactions with the industrial and research magnets are done through various invited lectures undertaken under the auspices of the extension wing, various clubs and forums of the college. Vagartha is doing its extension services in tie up with Nisar Hospital Valanchery. The nursing students recruited in the Hospital are given proper coaching of spoken and

written skills by our faculties and students. ZOEAC offers the necessary guidance to the farmers and take efficient steps for solid waste management.

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

The University of Calicut has undertaken the restructuring of the existing UG programme during 2009. The university updates the syllabi from the inputs of expert teachers and other subject experts from the relevant disciplines, collected by conducting workshops. 14 faculties of the college from various disciplines took part in such workshops and have been involved in curriculum design and restructuring. Members of various departments contributed for the development of curriculum of Choice based Credit Semester System, implemented in 2009.

Chemistry : Prof. A. K. Unas, Prof. Manjula Raman, Prof. K M. Rukkiya, Prof. P.A. Raziya

Zoology : Prof. P.M. Khairunnisa, Dr. Ashraf Mayan

English : Prof. M. Shantakumar, Prof. K J Thomas

Physics : Dr. M.P. Unnikrishnan, Prof. A.M.P. Hamza

Malayalam : Prof. K C Aruna

Commerce : Prof. K.P. Hassan, Prof. C.K. Hassan, Dr. C H Moideenkutty

Prof. K M. Rukkiya (Dept. of Chemistry) is the member of Board of Studies since 2012. Dr. Abdul Hameed C (Dept. of Botany) is the Chairman of UG Board of Genetics. Dr. M P Unnikrishnan and Mr. A M P Hamza (Dept. of Physics) are members of the Board of Studies for the past five years.

All the faculties of the college are members of the Board of Examination of University of Calicut.

Specific suggestions: Anomaly in 4th semester B.Sc Complimentary Physics practical syllabus and 5th / 6th semester B.Sc core syllabus are now corrected.

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.

Though the college does not enjoy autonomy in developing and implementing its own curriculum and syllabi for UG and PG programmes, the respective departments have the freedom to develop curriculum for the Add-on Courses conducted by them.

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

A majority of our students have secured excellent grades in final examinations and are enrolled for higher education. Some of our Post graduate students have qualified JRF, NET, and GATE, SET examinations and doing research in certain meritorious institutions. Some are well placed in various institutions like –Universities, Colleges, Schools and other institutions. Some others are well placed in industries in India and abroad. This ensures that they have received proper guidance and education.

In addition, various clubs and forums operating in the institution carry out various invited lectures, seminars, debates, quiz competitions, discussions etc. to evaluate the overall knowledge of the students. The Nature Club, NSS, NCC and the extension wings of various departments tries to inculcate the social commitment visualized in the curriculum.

1.2. Academic Flexibility

Since the college is not autonomous, academic flexibility is limited. The syllabus is set by University and student get a chance to opt one course of their choice in the fifth semester as open course.

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

The college facilitate the students to develop skills in various fields by conducting programmes like memory test, mental ability test, observation skill test, reasoning test, etc. which definitely improve the skill of learning. In addition the students attend the career guidance and skill development classes offered by the experts.

Zoology, Physics, English and Physical Education departments co-ordinates the UGC aided add-on Course offered by the Calicut University like *Medical Lab Technology, Electronic Communications, English for Communication and Yoga Therapy* respectively. It offers competency for the modern world, better employability, self development, physical and mental strength and community service. Polychem gives training to produce cosmetics, pain balm, soaps and detergents so as to develop the skill in production field.

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

No

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.

Eligible students have the freedom to select any of the programmes offered by the institution at the time of admission, provided he or she has the merit. Students have the right to choose Open Courses offered by other departments in the fifth semester which makes the programme interdisciplinary. Complimentary courses and the Open courses provide interdisciplinary approach to the programmes. The Add- on Courses run by various departments enable the students to obtain a vocational certificate parallel to their regular studies. It increases the employability potential of the students.

Table 1.1: Range of Core / Elective options offered by the University

Sl.No	Programme	Options by the University	
		Open course	Elective course
1	Chemistry	1. Environmental Chemistry 2. Chemistry everyday life 3. Plastics and rubber in everyday life	1. Analytical Chemistry; 2. Synthetic organic chemistry 3. Environmental chemistry; 4. Industrial Chemistry 5. Polymer Chemistry
2	Commerce	1. E – Commerce; 2. Human Resource Management; 3. Basic Accounting	1. Finance; 2. Banking and Insurance 3. Co- operation; 4. Computer applications
3	Functional English	1. Film studies 2. Creative writing 3. Applied language skills	1. Advertising--Theory and Practice 2. Literature in Translation
4	Physics	1. Non-Conventional Energy Sources 2. Amateur Astronomy And Astrophysics 3. Elementary Medical Physics	Computational Physics, Nano Science And Technology, Materials Science & Thin Films
5	Zoology	1. Human health and sex education 2. Nutrition , Health and Hygiene 3. Applied entomology	1. Applied entomology; 2. Human Genetics 3. Environmental studies
6	BCA	1. Introduction to computers and office automation; 2. Web designing 3. Introduction to problem Solving and c programming	1. Hardware assembling and trouble shooting 2. System Software; 3. Visual programming
7	Physical Education	NA	1. Physical, health and life skills education 2. Health and fitness education 3. Physical activity, health and wellness

Table 1.2: Elective and Open courses in the institution

Core Course	Elective Course	Open Course
<i>Under Graduate</i>		
• Commerce	Financial Management, Indian Financial system	Human Resource Management
• Computer Application	Software testing/ Introduction to system administration	Introduction to Computers and office automation
• Functional English	Advertising Theory and Practice	Communicative English
• Physics	Material Science	Elementary Medical Physics
• Polymer Chemistry	Polymer Chemistry	Environmental Chemistry
• Zoology	Human Genetics	Nutrition, Health and Hygiene
		Physical activity, health and wellness (Physical Education)
<i>Post Graduate</i>		
• Commerce	Financial Management	
• English (Language and Literature)	British and continental drama, Writing for media, European Fiction in Translation, American Literature, Post colonial fiction and drama, Malayalam literature in translation, Teaching of English, Indian English Fiction	
• Polymer Chemistry	Polymer Nanotechnology	

- *Choice based Credit Semester System and range of subject options*

Along with the core and the complimentary subjects, there are other components like language, interdisciplinary courses and electives. It helps the students to gain basic knowledge in other streams of studies. The project work, field visits etc. incorporated in the syllabus enable the students to gain practical as well as own experienced knowledge outside the four walls. The choice based credit system has made teaching learning more student centred giving the students more freedom to migrate within the university across affiliated institutions.

- *Courses offered in modular form*

CCSS operates in modular pattern based on modules/units called credits where in credit defines the quantum of contents/ syllabus prescribed for a course / paper and determines the minimum number of teaching – learning hours required.

- *Credit transfer and accumulation facility*

CCSS gives chance for credit transfer and accumulation of credits. Credits earned at one institution for the programme are accepted under another program at the same institution or another. Credit acquisition will be considered after the learner has successfully cleared all evaluation criteria with respect to a course. The learner keeps on adding more and more credits as the students successfully complete the courses.

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

At present there is no provision for the students to choose more than one programme at a time, but the students are given freedom to join add on courses and other certificate courses. Vertical mobility across the programme is facilitated by the introduction of the open course in the fifth semester.

- **Enrichment courses**

The college offers many add-on-courses like MLT, Yoga therapy etc. which impart additional skills apart from the routine curriculum. The open courses are designed for undergraduate students to impart knowledge in other disciplines.

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.

Yes. Currently we are offering two self financing programmes.

1. BCA
2. MA English (Language and Literature)

The admission procedures of self – financing programmes are as per the norms of University and Govt. of Kerala. The Curriculum adopted in the stream is proposed by the affiliating University. The fee structure of the programme is fixed by the government Applications are called for different teaching posts and final selection is made after a personal interview conducted by a panel which consists of the Principal, the Head of the Department and the subject expert. The management takes the responsibility for the payment as per the norms set by the government.

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.

Yes. The Chemistry Department is providing NET coaching for PG students as part of “Entry into Service Programme”. This programme also facilitates the ALUMNI members and others who are studying in nearby institutions. The Add-on Courses offered by the college also improve the employability of the students.

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

No.

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?

Apart from conventional classroom methods of teaching, we organize a number of activities which help students to think critically and to develop their potential. We also arrange seminars, workshops, invited talks in the frontier area of various disciplines which provide them a platform to interact with eminent academicians and scientists. 22 clubs are functioning in our institution to groom the students’ personality in addition to sports and cultural activities. Membership in NCC, NSS and various clubs like Women Empowerment Cell, attending programmes of Moral Education Centre etc inculcate various skills in students.

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

In the curriculum of Polymer Chemistry, new programme like Entrepreneurship Development, Basic Numerical skill, Information Technology etc. are incorporated to make it job oriented programme. Entrepreneurship Development sessions give them an idea how to run the small, medium and large scale rubber, plastic or other chemical industries. It makes them more competitive and efficient and makes them valuable in job market. Students are persuaded to join coaching classes for JAM conducted by OPTIC and College Career Development classes by experts which provide timely information on job,

interviews etc. Feedback received from the former students and analysis of the recent trends helps the faculty members of the board of studies to shape the curriculum. This is then presented in meetings so that necessary changes could be incorporated in the curriculum.

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?

- a) General Informatics is incorporated as our common course to give the students a firm foundation for their studies in information technology.
- b) The Department of Chemistry has chosen Environmental Chemistry as our open course to educate the students about environmental issues, like environment pollution, nuclear waste, solid waste etc. This course was designed during the workshop for making curriculum for CCSS, in which Prof. Manjula Raman and Prof. K M Rukhiya participated and put forward their suggestion.
- c) Women Empowerment Cell is functioning in the college for the last 15 years with the objective of sensitizing girl students about gender based issues and motivate them to raise their voice against gender disparity.
- d) Students are made aware of the environmental issues through their involvement in the function of the Oriole Nature Cub, Bhoomithrasena, NSS.

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

a) *Moral and ethical values*

Moral study classes conducted by the Moral Studies Centre of the college inspire the students to lead a pious and ethical life. Nature club & Bhoomithra club try their best to sow seeds of love for Nature and the need for protecting the

nature. Various Philanthropic activities are conducted by students and staff of the college.

b) *Employable and life skills*

Add-on course help the students to acquire an approved Certificate along with their UG/ PG certificates. Group discussions and debates are conducted by various clubs operating in the institution. Entrepreneurship Development Club aims to develop the entrepreneurship skills latent in students. In view of the changing employment scenario, students are motivated to find self-employment after they leave the college. ED Club functions with assistance from District Industries Centre, Industries Department, Government of Kerala and Institute of Entrepreneurial Development of Kerala. Short term computer courses offered by the college can be completed by the students along with their regular studies.

c) *Better Career Options*

Better carrier options are provided by the Carrier Guidance and Placement Cell.

d) *Community orientation*

Various extension and other activities of NSS, NCC, etc.

The institution always promotes various holistic and philanthropic activities like blood donation, distribution of food and clothing to incumbents of Old age home and Orphanages etc. Days of National and International importance have been celebrated or commemorated in befitting manner. The students take part in surveys of social importance. The Nature Club promotes awareness among students and public in environment protection, pollution control and biodiversity and water conservation. Various departments are themselves promoting institution-neighborhood-community link and student involvement which contributes to good citizenship.

The Programme Officers of NSS monitor the participation of students in various socio-centric activities. All the outreach programmes are a combined effort of all the staff and students of various departments. Our students serve as contributors cum cohorts of all these activities. They get an opportunity to mingle

with the public. The budget for these outreach activities are met by concerned departments through sponsorships or collaborations. Department of Chemistry has organized a massive campaign against narcotics in association with the Department of Excise, Govt. of Kerala.

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

Student feedback and teacher feedback on curriculum content and delivery are collected and conveyed to Board of Studies whenever necessary. [Example: Anomaly in 4th semester BSc complementary Physics practical syllabi and 5th/6th semester BSc core syllabus now corrected. Department of English recommended change of syllabus for A06 (History and Philosophy of Science-Common course)].

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

The feedback received is analyzed by the College Council or by committees constituted by the council. The suggestions which require intervention at the university level are communicated to the university through the members of academic bodies. Some suggestions are also communicated to the Government for further action.

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?

Some of the faculty members of the college (Prof. K.M Rukhiya, Dr. Abdul Hameed. C, Prof. K H Abdul Razzak, Dr. M P Unnikrishnan and Prof. A.M.P Hamza) are members of Board of Studies of the University and they have contributed for the development of curriculum of UG & PG in the workshop of curriculum design of CCSS scheme.

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?

Students are also given the chance to assess the teaching/learning process and to provide documentary feedback on the curriculum as well as the overall performance of teachers. Special software has been developed for the purpose of keeping complete secrecy. The suggestions given by Alumni are also taken into consideration while setting up the plan of action for each academic year. Parents get a chance to interact with the Principal and the faculty members during PTA meetings. In addition to the general PTA meetings, class PTA is conducted and the parents give feedback during these sessions. The feedback is also collected from the public during community as well as outreaching programmes. All the feedbacks are considered with due seriousness and necessary corrections are made and new methods are adopted accordingly.

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?

CCSS was introduced in 2009-10 by University, and, along with it, new open courses and elective courses in core curriculum were introduced.

Three new courses were sanctioned by the Govt. in 2013.

1. M.Com
2. MA English (Language and Literature)
3. BCA

Demand from the public, stakeholders and the opportunity for easy employability is the main attraction of BCA. The new PG courses will be a help for the rural population because more students can be directed for research and also better employability after clearing NET.

1.4.4. Any relevant information about curriculum aspects

An off campus study centre of University of Calicut under the School of Distance Education is functioning in the college. It was started in 2007-08. It is the 9th study centre under University of Calicut.

Courses offered

- BA Arabic
- BA History
- BA English
- BBA
- B Com
- M Com

There are about 1500 students attending degree courses at the centre. Most of them are working class people used to undergo their graduation through this study centre.

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?

The admission procedures of the college follow the norms prescribed by the Government of Kerala and University of Calicut. The college responds to the programmes called for by the university each year by giving proper publicity through website, newspapers and other media. The prospectus of the college also contains all the informations regarding the admission procedure and serves as a useful guide to help the students. The applications received are thoroughly checked manually. Rank lists are prepared incorporating computerized ranking and web-linked rank lists. Proper checking of the rank lists is undertaken by the faculty members of the respective departments before publishing the final lists. The ranked students are intimated through interview cards and over the telephone when necessary. When seats are vacant after the first stage of admission, students from the waiting list are considered and vacancies are published in the newspapers if necessary. Care is taken to keep an eye on the anomalies likely to take place during the admission procedure and mistakes, if any, are rectified within no time.

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.

The admission procedure of the college is in accordance with the university schedule. Applications are called for the 6 undergraduate courses and 3 postgraduate courses every year in time. The admission is based on merit. Index marks are prepared by giving due consideration to NSS/NCC/literary activities and achievements at national or state level. Only the applications of students who

have secured EHS (Eligibility for Higher Studies) in the qualifying examination are considered. Each application will go through this indexing procedure for preparing the provisional rank lists. Both the teaching and non-teaching staff takes part in the admission procedure. Admissions are conducted only for the number of seats set by the Govt. and University of Calicut.

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.

As our college is situated in a rural area, our major endeavor is to ensure the higher education possibility of the subaltern and marginalized groups. No cut off percentage is imposed at the entry level. However the admission is strictly based on index marks and not on the percentage of marks obtained by the student in the qualifying examination.

Table 2.1: Maximum and Minimum Index Marks of Different programmes in 2013-14.

Course		Maximum index mark/Grade Point	Minimum index mark/Grade Point
Commerce	UG	1197	922
	PG	3.67	2.59
Zoology	UG	890	636
English	UG	1121	890
	PG	3.56	1.5
Physics	UG	965	526
Chemistry	UG	959	621
	PG	3.55	2.12
BCA	UG	891	474

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

The admission procedures followed by the college are strictly based on the merit criteria, which involve the qualification, percentage of marks and various other potentials the students have shown in state and national level competitions. All these are thoroughly scrutinized by the members involved in the Admission Committee to ensure compliance with the university norms and regulations. The profiles of students who get admitted are properly documented each year through tutorial system. The tutorial register has a provision to document each student's skills and interests along with their academic records. This process is done at the beginning of every year and the respective tutor keeps track of the student profile record. Once the procedure is completed, the students are motivated and given ample opportunities to develop their diverse interests. An evaluation of academic and extracurricular activities is carefully done in the tutorial register and measures are taken on the basis of this profile to review their achievements and growth.

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.

We always try to uphold the unity, equality and fraternity motto as a watchword of our institution and keep maximum transparency in our admission procedures. Stress is always on giving each and every student equal opportunity. As a college affiliated to the university, our college is bound to follow the reservation criteria proposed on its chart. In accordance with the government and university norms, reservation is given to each section.

- SC/ST: The state reservation policy allots a fixed number of seats to SC/ST category. Those who apply under SC/ST categories are given admission according to the reservation guidelines. Besides that they can

also avail fee concession and scholarship benefits according to the norms.

- **OBC:** The students under the OBC category are allotted seats belonging to them under the reservation guideline. As a community college we have a fixed number of community seats to be allotted to the deserving ones who come under this category. These students are also beneficiaries of fee concessions and scholarships.
- **Women:** There is no special reservation for girls as per university/government rules, and the college also follows this. On analyzing the male-female ratio in the college it is observed that about 70 % of the total is girl students.
- **Differently abled:** A definite percentage of seats from each programme is allotted to the Differently-abled students as per the Government norms.
- **Economically weaker sections:** The BPL sections are provided with fee concessions and scholarships
- **Minority community:** As a minority institution 20 % of seats are reserved for the community students.
- **Sports Reservation:** Two seats in each programme are reserved for the meritorious students in sports. Achievements in sports are always given importance during admission and those who have EHS are screened to find their achievements in sports and based on their credits in this respective field, admissions are made.

Table 2.2: Reservation of students belonging to different categories in percentage for the admission 2013-14

(a) UG Programmes

Programmes	Reservation (Percentage)				
	SC/ST	Muslim	Management	PH	Sports
B Com	20	20	20	3	3
BSc Zoology	20	20	20	3	3

BSc Physics	20	20	20	3	3
BSc Polymer Chemistry	20	20	20	3	3
BA Functional English	20	20	20	3	3
BCA (Self Financing)			50%		

(b) PG Programmes

Programme	Reservation (Percentage)				
	SC/ST	Muslim	Management	PH	Sports
MSc Polymer Chemistry	20%	20%	20%	3%	3%
M Com	20%	20%	20%	3%	3%
MA English (Self Financing)			50%		

Table 2.3: Percentage of male and female students admitted in the last four years

Year	Male	Female
2009-10	26	74
2010-11	19.78	80.22
2011-12	24.6	75.4
2012-13	36.4	63.6
2013-14	20.7	79.3

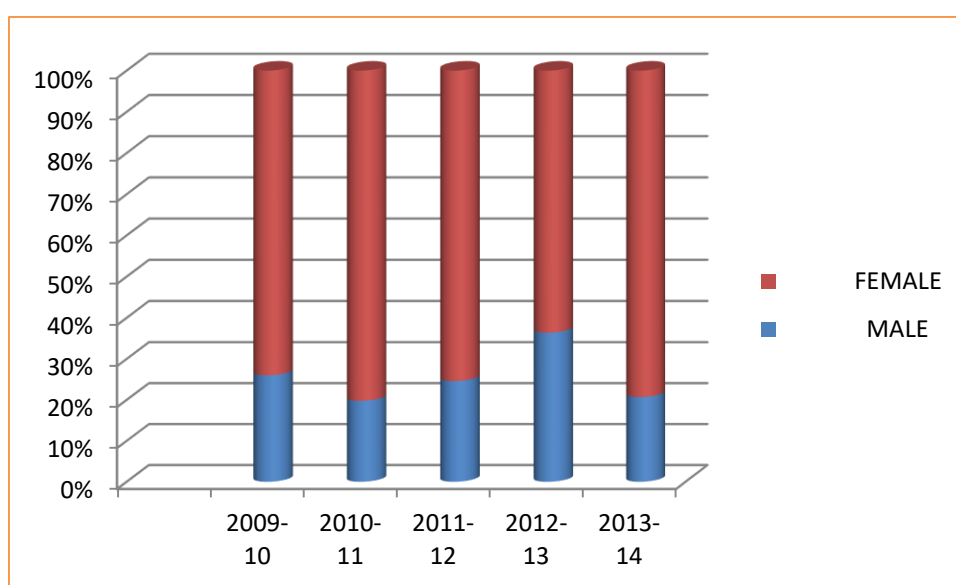


Figure 2.1: Graphical Representation of percentage of male and female

Table 2.4: Actual representation of students belonging to different reservation categories

Year	SC/ST	OBC	Others	Total
2009-10	118	409	101	628
2010-11	114	334	125	570
2011-12	108	362	90	561
2012-13	114	386	86	587
2013-14	113	400	114	630

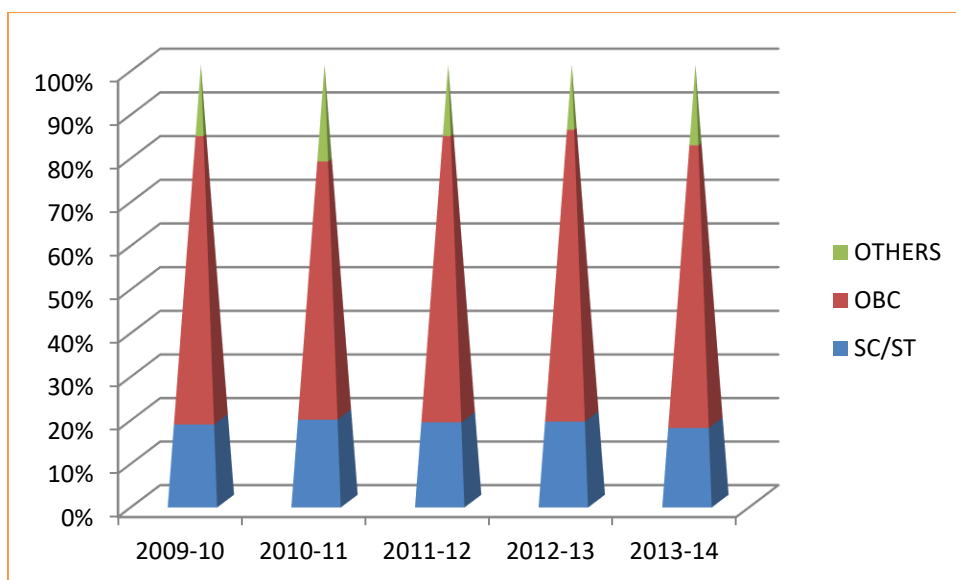


Figure 2.2: Graphical representation of students belonging to reservation

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.

As no other aided or Government College functions in the 20 kms vicinity, the demand for admission in this institution is very high. This institution serves as a centre for higher learning to the rural population around its vicinity. In order to meet the needs of the increasing number of students, we have applied for more courses.

Table 2.5: Demand ratio for different courses

Year	Programme	Number of applications	Number of seats	Demand Ratio
2009-10	B Sc Polymer Chemistry	239	36	6.6
	BSc Physics	355	36	9.9
	B Sc Zoology	259	36	7.2

	B A Functional English	713	40	17.8
	B Com	766	60	12.8
	MSc Polymer Chemistry	72	12	6.0
2010-11	B Sc Polymer Chemistry	209	36	5.8
	BSc Physics	227	36	6.3
	B Sc Zoology	283	36	7.9
	B A Functional English	407	40	10.2
	B Com	922	60	15.4
	MSc Polymer Chemistry	40	12	3.3
2011-12	B Sc Polymer Chemistry	188	36	5.2
	BSc Physics	394	36	10.9
	B Sc Zoology	349	36	9.7
	B A Functional English	482	40	12.1
	B Com	1097	60	18.3
	MSc Polymer Chemistry	online admission	12	
2012-13	B Sc Polymer Chemistry	343	36	9.5
	BSc Physics	252	36	7.0
	B Sc Zoology	431	36	12.0
	B A Functional English	592	40	14.8
	B Com	1213	60	20.2
	MSc Polymer Chemistry	77	12	6.4

2013-14	B Sc Polymer Chemistry	online admission	36	
	BSc Physics	online admission	36	
	B Sc Zoology	online admission	36	
	B A Functional English	online admission	40	
	B Com	online admission	60	
	BCA	27	24	1.08
	MSc Polymer Chemistry	55	12	6.8
	MA English	24	20	1.2
	M Com	70	20	3.5

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 takes special interest in identifying the differently-abled students and assisting them by looking in to their needs. The admission for these students is also given as per the university norms. Various stipends and scholarships are made available to them to support their academic needs. Govt. norms are strictly adhered in providing definite number of seats for every programme for differently-abled students. Ramp and wheelchair are provided. Classes are arranged in ground floor in such a way that the physically challenged student need not climb the stairs. PTA gives aid towards the conveyance charge of disabled and economically backward students. Blind students are given scribes for university examinations. They are also given special consideration by giving counseling sessions and peer assistance.

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.

Yes. The college offers an orientation programme before the commencement of regular classes for the students. It ensures a sort of bridging with the new courses and awareness about the mode and structure of the different courses available. In order to make the generation tech-friendly a computer awareness programme is also arranged. Besides a Department level orientation is also conducted at the beginning of regular classes to make the students familiar with the facilities they can avail in the department and the premises.

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

For boosting the confidence and developing self-esteem, an orientation course is provided to the students at the commencement of the programmes. The Academic Monitoring Committee functioning in the college effectively caters to the needs of students with myriad skills and interests and identifies the problems and frames the tactics to solve these. Another initiative is the Evaluation and Assessment Council, which serves to bring forth the academic standards by identifying the weak students and providing them with Remedial Coaching Classes funded by the UGC. Special emphasis is given to the minority students by providing them with the minority coaching classes under the scheme devised by UGC. Peer group learning is also fostered during leisure hours so as to develop knowledge sensitive attitude in students. In addition different departments offer Add-on courses which give an interdisciplinary mode to the degree programme. Equal Opportunity Cell functions by driving the socially marginalized students into knowledge stream and helps them in acquiring fresh pastures. Various other counseling and grooming sessions are also provided to equip the students with the current trends in academic scenario.

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

In an increasingly upsetting era, it is the need of the hour to be sensitive about the issues of gender and environment. Taking the situation in to consideration, the institution is keen in addressing the topics on every possible occasion. The clubs functioning in our college like NSS, BhoomithraSena, Oriole Nature Club, Citizen Science Forum and Eco Club often conduct initiatives like seminars and processions to make the students aware about the environmental issues. Women Empowerment Cell has a decisive role in turning the student's attention to gender issues and gender violence existing in our society. It also conducts awareness programmes and special counseling classes to girl students. Further, for ensuring objectivity in the campus, we promote the actions of Anti harassment Committee, Anti – Ragging cell, Equal Opportunity Cell and Minority Cell. All these collaboratively contribute in molding the future citizens of the country in a proper unbiased atmosphere.

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

The institution is devoted to identifying the learning needs of the students and meeting them in the adequate time provided. A Wi-Fi campus is the determining factor in our learning and for inducing the taste of students towards e-learning, resources like INFLIBNET subscription is introduced. The dissemination of learning is carried out through the well-equipped library functioning in the campus. It is a repository of learning materials including journals, magazines, e-books and several other resources. Various motivational classes are being provided to students through different interactive sessions, debates, quizzes and group discussions. They are often encouraged to confirm their skills and talents through inspirational classes and peer interactions. The creative outputs thus shown are directed through wall magazines, newsletters and yearly magazines. The communicative competence of the students is also stimulated through language lab sessions and interactive forums. The creative and inspiring atmosphere available in the college supplies the student with sufficient impetus for a charming teaching-learning atmosphere.

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. who may discontinue their studies if some sort of support is not provided)

The institution employs special measures in the analysis of academic performance of the students. The tracking of attendance is done every hour in accordance with the academic monitoring system of the college. The details of every examination, which includes internal and external, assignments, projects, attendance rates, etc. are recorded in the tutorial register of every department and evaluated accordingly. Those with weak performance are called upon to have a view on the status of marks and proper support is given to them. Special remedial classes are given to the weaker sections. PTA meetings are conducted in each semester and counseling sessions are also given to the parents during the PTA meetings with special emphasis on the problems of early marriage, which is the major reason here for the drop outs. Class PTA's are also arranged during the general PTA's to report the individual performance and progress of the students. The academic and moral well-being of the students are stringently monitored as a part of the tutorial system.

2.3. Teaching-Learning Process

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

The academic syllabi and calendar are provided by the university each year and the teaching-learning system of our college strictly abides to the norms proposed by the university. In addition the college collects Action Plans from each department at the commencement of every year which enumerates the strategies each department is going to adopt that year. Besides that each department has a Department Diary to keep track of the events carried

out by them which is updated daily. Students maintain a Class Diary where they enter the hourly happenings and important events. Preparations are made well in advance for the lab sessions and for making teaching materials. In par with the cyber era students are induced to make a presentation of power point slides in the smart class rooms provided for each departments. For student evaluation, the institution conducts internal examination in the mode and manner of university examination. Grades are also awarded for assignments, projects and viva voce and based on these elements internal marks are awarded and displayed on the notice boards. Corrections on the internal marks are made based on the complaints from students before uploading it on the university website. Final evaluation is done by the university based on the external examination and final grades and grade points are awarded by the same authority.

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

Quality Assurance being its motto, IQAC strives to achieve its goals in the teaching-learning scenario of the college through skill development and quality enhancement programmes. It extends its reach to every area of the academic spectrum of the college. IQAC ensures a proper atmosphere in teaching-learning system in order to facilitate the teacher-student interaction.

- Strives to make the institution more technologically tuned.
- Focus on the development of teaching skills and thereby assuring the teaching standards through strategies like the feedback mechanisms.
- Encouraging the faculty to participate in research programmes.
- Motivates them to participate in workshops and seminars.
- Triggers interest among the faculty to publish papers and supports publications from the departments.
- Subscription of INFLIBNET

2.3.3. How learning is 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?

The dawn of semester system has produced substantial changes in the teaching-learning system. In harmony with the academic revision and grading system the institution has various student centric strategies for them to cope with the higher academic standards. From the days of class room learning, which was synonymous with spoon feeding, students are made to think and act with appropriate motivations. The college has gone for substantial innovations by introducing ICT in teaching-learning. All students are offered accessibility to computer with broadband internet connectivity. Technical supports like OHP and LCD are also provided in the classrooms whenever required. Through seminar presentations and oral skill testing the learning is made more learner-friendly. Students are often encouraged to make their presentation in PPT slides and are monitored with appropriate open discussion sessions. Peer learning is also running effectively with adequate supporting structures. Their creative skills are also given proper exposure through sessions in language labs and novel initiatives like Campus Radio. Innovative ideas are discussed among teachers and implemented jointly and severally and the teachers consider the professional satisfaction as the biggest reward.

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

Our institution offers generous channels for squeezing out the creative potential in students and thereby enabling them to mark their footsteps in the nation building. The annual publication of College Magazine reflects the budding talents among the students and is monitored by the Editorial Board, headed by the Principal and Student Editor. Various debate and discussion sessions, talks related to environment awareness, facilitate the blooming of creative talents. College magazine, Wall magazine, Manuscripts, News bulletin, Exhibitions, on the spot competitions, Mehendi Fest etc. are some of the outlets for expressing

the creativity of the students and staff. Practical classes, field trips, industrial visits, project works etc. foster scientific temper in a feasible environment.

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

The faculties of the institution are keen in using various teaching aids for effective teaching methodology. Conventional aids like blackboard and chalk are used along with modern mediums which include slide presentation and e-learning. Every department is equipped with a smart classroom and broad band internet connection. Teachers use internet facilities available and often use e-resources for effective teaching. Our library has a set of broadband connected computers where students can have an access to internet. INFLIBNET facility is available to the faculty members to update their academic knowledge and accentuate their teaching standards. Labs and museums as a part of science departments also do the same.

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

Each department is equipped with a smart class room and a seminar hall with LCD projector is available to cope with the advanced levels of learning. Class room interaction is also running smoothly with the tech-friendly teaching. The entire campus is enabled with high speed broadband connectivity which can be accessed by the faculty members and students 24/7. For academic freshness talks and discussions on various subjects by subject experts are usually conducted. For gathering new information teachers frequently participate in various national and international seminars and students also become beneficiaries of this. National seminars are conducted in each department and students get opportunity to listen to and interact with the subject experts. A few of the best students are also given opportunity to present papers.

Table 2.6: Details of Important seminars organised during the last four years

Year	Event	Name of Scientist/Participant
2013-14	National Seminar on Recent Advances in Organic Chemistry	<ol style="list-style-type: none"> 1. Dr. Vijayakumar (Scientist & Ramanujan Fellow, NIIST Thiruvananthapuram) 2. Dr. Ratheesh K. V, Eindhoven University of Technology, Netherlands
	National Seminar on Western Ghats perspectives, challenges and conservation	<ol style="list-style-type: none"> 1. Dr.V.S.Vijayan, Former head of Kerala Biodiversity Board, Gadgil committee Member. 2. Dr, Esa (Senior scientist, KFRI,Peechi) 3. Dr.Binoy (NIAS, Benguluru)
	National Seminar on Ecotourism-Potentialities of ecotourism in Malabar region of Kerala	<ol style="list-style-type: none"> 1. Dr. Binoy(KVEMP,University Karnataka) 2. Dr. Anujith (Assistant Professor, Amal College, Nilambur) 3. Dr. Vinod Kumar(Assistant Professor, MES College, Mampad) 4. Dr.VijayachandraPillai (Associate Professor, University of Calicut)
	“Mappila Art Forms: Region, Time, Narrative”	<ol style="list-style-type: none"> 1. Prof. M N Karassery (Former Head, Dept. Of Malayalam, University of Calicut) 2. Dr. Shamsad Hussain (Asst.Professor, Dept. Of Malayalam, Sri Sankara University of Sanskrit) 3. Dr. Jameel Ahammed (Dept. Of Malayalam, Govt. College Malappuram) 4. Mr. T K Hamsa (Ex. Member of Parliament) 5. Mr. V M Kutty (Renowned Mappila singer) 6. Mr. Balakrishnan Vallikkunnu 7. Mr. Iqbal Koppilan 8. Mr. Hassan Nediyanad

	National Seminar on Eco tourism in Kerala-challenges and opportunities	<ol style="list-style-type: none"> 1. Dr.Vijayachandra Pillai(Associate Professor, University of Calicut) 2. Dr. Ravis Mathew(Assistant Professor, Pulpally College, Wayanad) 3. Dr. Joseph. PD(Associate Professor, University of Mangalore) 4. Dr. C.H Moideenkutty(Associate Professor, MESKVM College Valanchery) 5. Dr. M Usman(Principal, Amal College, Nilambur)
2012-13	19 th Annual Conference of Indian Colleges Forum	<ol style="list-style-type: none"> 1. Mr. P K Abdu Rabb (Minister of Education, Kerala) 2. Mr.ET Mohammed Basheer Member of Parliament 3. Prof. GD Sharma (President ICF)
	National Seminar on Frontier Areas of Chemistry	<ol style="list-style-type: none"> 1. Dr. Ramachandran Thekkedath, Vice Chancellor, Cochin University of Science and Technology, Cochin 2. Dr. S. Vasudevan, Professor, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore 3. Dr. S. Ramakrishnan, Professor, Dept. of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore, Bangalore 4. Dr. Kuruvilla Joseph, Head, Dept. Of Chemistry, Indian Institute of Space Science and Technology, Thiruvananthapuram 5. Dr. Prasad M. Alex, Dept of Chemistry, Marthoma College, Chungathara 6. Dr. Raveendran P. Assistant professor, Department of Chemistry, University Of Calicut
2011-12	National Seminar on	<ol style="list-style-type: none"> 1. V.S. Ramachandran, Director, Regional

	<p>“Modern Trends in Physics” (ModPhys-2011)</p>	<p>Science Centre and Planetarium, Kozhikode</p> <ol style="list-style-type: none"> 2. Prof B R S Babu (Calicut University) 3. Prof K M Varier (Kerala University) 4. Dr K P Biju (Government College, Kodanchery)
	<p>National Seminar: Media;Are They Moving Towards Sensationalisation</p>	<ol style="list-style-type: none"> 1. Dr.Sebastian Paul (Ex MP) 2. Mr. C. Gouridasan Nair (Chief Correspondent, The Hindu) 3. Mr. M P Prasanth (Deccan Chronicle) 4. Mr. A Sahadevan (Indiavision TV) 5. Mr. Abdul Latheef Naha (The Hindu) 6. Dr. K Yaseen Asharaf (Madhyamam daily) 7. Dr. Mohamedali N (Head, Dept of Journalism and Mass Communication, University of Calicut)
2010-11	<p>National Workshop on ‘Citizen Science Project’</p>	<ol style="list-style-type: none"> 1. Mr. Paloli Mohammed Kutty (Hon. Minister for Local Administration, Kerala State) 2. Dr. B. K. Anitha (Indian Institute of Advanced Studies) 3. Dr. Sindhu Radhakrishna (Indian Institute of Advanced Studies)
2009-10	<p>National seminar on ‘Current Trends in Chemistry</p>	<ol style="list-style-type: none"> 1. Dr. V.P. Balagangadharan, Senior Scientist& Head, Transfer technology& Documentation group, Vikram Sarabhai Space Center, Trivandrum 2. Prof. P Mohammed Shafi, Head of the department of chemistry, University of Calicut 3. Prof. S. Sugunan, Head of the department, Applied chemistry, Cochin University 4. Mr Aneesh M.H (PSMO college) 5. Dr. Dayas, (Director,C-MET Thrissur) 6. Dr. Prasad Edamana (Assistant professor, Department of chemistry, IIT Madras)

	National Seminar : 'Micro Finance – An Indian Advantage'	<ol style="list-style-type: none"> 1. Mr. A Vijayaraghavan (Member of Parliament) 2. Dr. VK Vijayakumar (Sreekrishna College, Guruvayur) 3. Dr. Jayson Joseph (Bharathiyar University, Coimbatore)
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2.3.7. Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counselling/mentoring/academic advise) provided to students?

Various programmes in the schemes like ASAP, Equal Opportunity Cell, Guidance and Placement Cell, Remedial classes, Women cell, Counselling cell etc. give academic and psychological support to the students.

a. Additional Skill Acquisition Programme (ASAP)

A Government of Kerala initiative, ASAP, aids the students with an additional employment skill along with a cherishing effect on their overall talents. Implemented in our college during 2012-13, it offers acquisition of communication and IT enabled skills plus a new opening to several service and industrial sectors. At Level 1, ASAP imparts 300 hours of skill training to selected first year students (30 per batch, maximum 2 batches in an institution). Of this, 18 hours will be a foundation module comprising of Communication Skills and IT skills and the remaining 120 hours will be the module related to the skill sector chosen by the student.

The Classes under ASAP will be engaged by Skill Development Executives identified by the Government/Industry, generally for one hour on working days, before/after the normal working hours of the Institution. The college has arranged rooms with Computer and LCD facilities (Smart Class Rooms) to conduct the classes. In the last two years Mr. Shinu (2010-13 batch, Department of Physics) has been recruited as a Skill Development Executive by ASAP.

b. Equal Opportunity Cell

The cell, formed as a part of the norms prescribed by UGC, strives to bring the marginalized sections to the centre. Underprivileged sections are given special preference through various counselling sessions and seminars. The academic and intellectual support given by the cell created a number of beneficiaries in the yesteryears. Personal guidance was also given to those needy students.

Table 2.7: Activities and beneficiaries of Equal Opportunity Cell

Year	Activities	Beneficiaries
2009-10	Seminars, Workshops, Personality development training programmes	UG students of the college
2010-11		
2011-12		
2012-13		

c. Career guidance and Placement Cell

The Cell helps to equip students to survive in the highly competitive world of today. It conducts coaching programmes targeted at the various competitive examinations and invites experts to deliver talks that enhance student's awareness of career possibilities. It also organizes campus recruitment programmes for students each year.

Table 2.8: Activities and beneficiaries of Career Guidance and Placement Cell

Year	Activities	Beneficiaries
2009-10	Career orientation programmes skills training, student empowerment seminars, higher education guidance magazines.	UG students of the college
2010-11		
2011-12		
2012-13		

d. Remedial Classes

Educational rights, being a privilege and honor of all, are to be distributed equally to all sections of society. Keeping in track with this watchword, our institution provides all necessary backing for the less privileged sections to keep their educational antenna ahead. SC/ST, OBC, Minority and other backward sections are given special preference by providing remedial coaching classes to suit their diverse needs. Classes are being held as extra classes in the evenings and special classes on holidays. General students, if needed, are allowed to sit in the remedial coaching classes. The classes are conducted with an aim to make students able to pursue their dream in higher education sectors and to reduce the number of drop outs.

e. Women Empowerment Cell

The cell focuses on motivating the girl students to try for gender equality in diverse fields with a target of grooming them to lead a dignified life in society. Nurturing them to be proud of their own identity, the cell also focuses on making the girl students aware about the growing threats that women face in the society. Keeping this vision in mind, women cell conducts classes and discussion forums related to women awareness and safety. Complaints received in the Cell are dealt with by a committee of members which is headed by the Women Empowerment Cell coordinator. The complaints received are attended to immediately and proper corrective measures are initiated.

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

In the context of knowledge explosion, life ahead for students depends on their ability to learn and re-learn continuously. The new developments necessitate a paradigm shift in higher education. Instead of being dispensers of knowledge capsules, teachers have to be resourceful and imaginative facilitators.

Significant innovations in these directions have been made by University and the college in recent years. The following are a few of the new measures adopted.

- Introduction of Choice based Credit and Semester System in place of Annual System
- Extensive use of ICT in diverse areas.
- Continuous internal evaluation in each semester.
- Extra supplements of movies and documentaries in CD form are being provided with the curriculum.
- Student centered learning is facilitated.
- Introduction of Group Discussions, Role Plays and Skits along with the academic activities to improve the communicative competence
- Students are motivated to use ICT enabled functions in their learning and are always prompted by the teachers to use e-resources in their academic discourse.

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

Our library facilitates learning by its collection of resources which include 2416 books and 66 periodicals. Besides, it provides online facility to students for enriching their knowledge through online resources and open access journals. In addition the departmental libraries also serve the needs of students and the teachers and students are equally benefitted by the INFLIBNET.

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.

Yes. The institution faces challenges in the completion of curriculum within the stipulated time prescribed by the University. Due to the introduction of semester system, the syllabi for each semester have to be completed within 5 months with 90 working days. As the institution gives equal importance to both

the curricular and extra - curricular activities, the inclusion of seminars, workshops and other entertainment sessions lead to the loss of time within the said 90 days. In this tight schedule we are compensating for the lost hours through extra classes on Saturdays and Sundays and by taking classes before and after the normal working hours.

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

Teaching - learning is monitored mainly by the Heads of Departments and the Principal. Based on the self-appraisal prepared by the teachers and the feedback obtained from students the performance of teachers is assessed by the institution. Earnest efforts are appreciated and corrective measures are initiated wherever found necessary. Since students are the biggest stake holders in an institution of higher education, the college gives great importance to evaluation of teachers by students. Feedback is regularly collected from students through structured questionnaires and the data are analyzed. The relevant findings are confidentially communicated to the concerned teachers for compliance and correction wherever necessary. A Department Diary is kept in every department to enlist the happenings in every hour and the classes engaged by different teachers. Besides, the Chairman of IQAC collects feedbacks personally from all students. The feedback of parents is regularly collected through class PTA as well.

2.4. Teacher Quality

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

The appointment of teachers is according to the norms prescribed by the Government of Kerala. Being an aided college, the appointments are made by

calling forth applications by the management from eligible candidates who secure NET/PhD. The selection is based on merit. Temporary teachers are recruited on the basis of an interview conducted by the college after inviting applications and the interview is conducted by a board including the Principal and Head of the Departments and subject experts.

Table 2.9: Highest Academic Qualification of Faculty

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			2	2	2	2	8
M.Phil.					3	1	4
PG			5	5	1	3	14
Temporary teachers							
Ph.D.							
M.Phil.							
PG					3	5	8
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

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.

Even though institution faces the scarcity of qualified senior faculty members to teach new programmes, the teachers are encouraged to participate in the Refresher courses, Orientation courses, Workshops and Seminars conducted by the various Academic staff colleges and other institutions to cope up with new streams of knowledge.

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.

The college encourages the participation of faculties in various programmes for improvement of their academic and administrative abilities.

Table 2.10: Participation in academic development programmes

Academic Staff Development Programmes	Number of faculty nominated
Seminars	14
HRD programmes	12
Orientation programmes	5
Staff training conducted by the university	5
Staff training conducted by other institutions	15
Summer/winter schools, workshops, etc.	15

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

The following measures are implemented to ensure the teaching quality in the institution.

1. Feasible, stress free atmosphere in campus.
2. Cosy working patterns with a comfortable teacher-student ratio.
3. Reliable performance monitoring system with efficient feedback calculating mechanism.
4. Preference of ICT enabled teaching.
5. Research favourable environment.
6. Faculties are being encouraged to participate in seminars, training sessions, Orientation and Refresher courses.
7. Knowledge up gradation has been singled out as a norm

b. Percentage of faculty participated in seminar and workshop**Table 2.11: Participation in Seminars and workshops**

	Particulars	Percentage of Faculty
1.	Faculty as Resource Persons in Seminars/Conference/Workshops	5
2.	Faculty participation in seminars and workshops	60
3.	Presentation of Papers	5

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.)

As the output of education chiefly relies on the quality of teachers, the institution takes profound interest in granting study leave and helps in getting the grants available for doing doctoral and post - doctoral research projects. These are done in accordance with government norms and the rules put forward by the Directorate of Collegiate Education. Faculty members are encouraged to take up research projects with funds from various agencies like UGC, DBT, DST, ICHR etc .and teachers are also given full freedom to publish their research findings in reputed journals. The decision to publish a journal is on the anvil of the Department of Chemistry.

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.

The institution provides ample freedom for the faculty to excel in their specific areas of activities, in addition to teaching.

- Dr. U Sailaja (Department of Physics) has won the Dayawathi Rasthogi award for the best paper presentation in International Conference on Perspectives in Vibrational Spectroscopy held at Mavelikkara (ICOPVS-2013).
- Dr. C. Abdul Hameed (Department of Botany) has won the Bharathiya Shiksha Ratan Award 2007 with Medal, instituted by the Economic and Human Resource Development Association, New Delhi.
- Dr. V S Jisha (Department of Chemistry) was the DST-DAAD Fellow in Institute of Pharmacy, University of Mainz, Germany.

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?

Students, being the receiving end, are allowed to contribute to the teaching-learning quality assurance by providing the evaluation of teachers through feedback. The feedback obtained from student appraisal of teachers also helps the teachers to reckon his/her strength and weakness and initiate measures to improve the quality of classroom performance. The reviews from students are assessed by the IQAC and the pros and cons are discussed with the concerned individual teachers directly. Wherever improvements are necessary, the same is impressed upon the individual and this strategy has helped considerably in improving the quality of teaching. Personal feedbacks are also randomly collected from the students to review the performance of teachers and timely actions are taken to rectify the short comings.

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?

Since it is mandatory for the students to go through the evaluation systems at the end of each semester, they are informed about the evaluation system well in advance at the beginning of the semester. Test papers, assignments and seminars

are conducted as per University calendar and results are published on the notice board of the individual departments. The results thus displayed are entered into the Tutorial Register by the class tutor and signatures are obtained from the parents during the class PTA's. The changes in the evaluation strategies, as informed by the University, are duly disseminated to the teachers and students within no time.

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?

The introduction of Choice based Credit Semester System, being a reform aided by the University of Calicut, has been accepted by our institution in all its forms. Besides, our college strictly follows the criteria proposed by University in giving the 20% internal marks to the students. We conduct the two internal test papers in the way University exams are conducted. The seating arrangements are done as per the register numbers of students and a class accommodates a maximum of 35 students of different departments. The results of internal examinations are individually published before the publication of final internal grade point. Complaints, if received, are addressed by the Grievance Redressal Cell and are promptly dealt with.

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?

The Academic Monitoring Committee of our college is in charge of the effective implementation of examination reforms. The updates informed by the University are swiftly recorded by the committee and are implemented accurately. The smooth conduct of internal evaluation comes under their auspices and is coordinated in connection with the Evaluation and Assessment Council and the Head of the Departments

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

The formative evaluation of the students is done as per University rules in terms of test papers, assignments and seminars. In order to prepare the students for the external examination, the Evaluation and Assessment Council which functions under the Academic Monitoring Committee, conducts test papers in the same format of University Examination. In addition model examination is conducted at the end of each semester for the students to acquire sufficient practice. The results are analyzed and ample feedback is given to the students for the improvement of their performance.

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.)

The departments conduct internal assessment and provide 20% of the total credits assigned for a course on the basis of attendance, class tests, assignments and seminars. The grades of two internal examinations, performance in seminar presentations, assignments and the percentage of attendance are considered for internal grades. Assignments are given well in advance each semester and the timely submission is ensured by the departments. Internal grades are displayed on the notice boards to ensure transparency and correctness before they are forwarded to the university. The uploaded grades are also displayed on the notice boards to ensure the transparency in the system. The behavioural traits, aptitude for independent learning and communication skill of students are reflected in their presentations, tutorial sessions, viva voce, regular attendance and timely submission of assignments. The Heads of the Departments hand over Attendance and Progress Certificate of the students to the administrative section in charge of examinations. Only those students who secure 75% of attendance are eligible to appear for university examinations.

2.5.6. What are the graduates attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

The college strictly ensures the inclusion of graduate requirements in every student who passes out of this institution. In the obligation of attributes, the college follows the directions of University. Only those students who secure 1.5 points in Grade Point scale for the Internal Examination and 0.5 points in the External Examination are eligible for higher studies. The internal examinations are conducted strictly in the mode and manner of University Examination thereby avoiding all sorts of malpractices. For cultivating social awareness in students, Compulsory Social Service is made part of the curriculum by the University and the college strictly abides by giving students enough opportunities to fulfill the social service requirements. Many medical camps and campaigns are being conducted by the college and participation of all students is ensured during the programmes. Students are expected to have a strong understanding of the basics of the discipline by the time they complete the undergraduate programme. Self reliance, communication skills, coordination, planning, management, academic writing, and presentation skills are also expected of the students so that they can undertake any career that demands these skills. All these skills develop the personality and outlook of the students and generate in them a social orientation. The Academic Monitoring Committee keeps an eye on the conduct of all academic programmes which add to the graduate attributes and every department maintains an academic record covering all these details.

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

The student evaluation process takes place at two different levels, in two sections: at the College and the University level and in external and internal sections. At the university level, a student can apply for the revaluation of any paper within ten days of the official publication of the result and the process is carried out by the university. Since the internal mark is awarded by the teachers, any complaint regarding anomalies is taken care of in the College itself. Every department publishes the internal marks with all the breakups and students can address any complaint at four different levels. At first the student can approach the teacher concerned and if the outcome is unsatisfactory, the student can lodge

his/her complaint with an intra-departmental committee consisting of the head, department co-coordinator and the teacher concerned. After this, the student can approach the Grievance Redressal Cell of the College that comprises the Principal, Head of the Department, a member of the College Council nominated by the Principal each year and a student member of each class. If the grievance is still not redressed, the final court of appeal is a university level appellate body, which has the Pro-Vice Chancellor, Chairman of the postgraduate/undergraduate board of studies/subject expert nominated by the Vice- Chancellor, Controller of Examinations and the Convener of the Examination Standing Committee as members.

2.6. Student performance and Learning Outcomes

2.6. 1. Does the college have clearly stated learning outcomes? If 'yes', give details on how the students and staff are made aware of these?

Yes; the immediate learning outcomes are assessed during continuous evaluation through internal assessment. The students are graded based on their performance in the preparation and timely submission of assignments, their presentation and communication skills in seminars, and knowledge acquisition in internal test papers. The grades acquired by the students are displayed on departmental notice boards and they are given the chance to improve their grades. The weaker students are identified and additional support is given to them through the remedial coaching. The result analysis of university examinations is done by the administration division and is communicated to the faculty during the beginning of the academic year. The results are published and progress sheets are handed over during PTA meetings. Teachers get a chance to apprise parents of the strengths and weaknesses of students and make suggestions at class PTA meetings too.

2.6.2. Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course

wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The evaluation methods, which run successfully in the college, monitor the performance of students. The evaluation methods comprise test papers, seminars and assignments. The results are properly recorded in the Tutorial Register and displayed on the notice board. The tutorial register is shown to the parents during PTA meetings. The register is also put before the Head of the Department during Department Council meetings and is analyzed to find the weak students. Remedial Coaching is offered to the students to improve their performance.

Table 2.12: Result Analysis from 2008 to 2012 in UG and PG programmes

Year 2009-10

Course	No. of Students Registered	Distinction	I Class	II Class	III Class	No. of Students Passed	%
B Sc(Physics)	29	-	21	5	1	27	93
B Sc(Polymer Chemistry)	34	-	25	4	-	29	85.2
B Sc(Zoology)	28	-	25	3	-	28	100
B.Com	52	-	38	10	2	50	96
BA(Functional English)	40	2	18	9	9	38	95
M Sc (Polymer Chemistry)	11		8	-	-	6	54.5

Year 2010-11

Course	No. of Students Registered	Distinction	I Class	II Class	III Class	No. of Students Passed	%
B Sc(Physics)	34	1	20	5	0	26	76.4
B Sc(Polymer Chemistry)	30	7	8	4	1	20	74
B Sc(Zoology)	32	9	19	1	0	29	91
B.Com	54	0	38	3	0	41	80
BA(Functional English)	38	5	13	14	5	37	97
M Sc (Polymer Chemistry)	12		4				50

Year 2011-12

Course	No. Of students Registered	A+	A	B+	B	C+	%of Pass
BSc Physics	34	4	8	4	10	5	91.1
BSc Polymer Chemistry	34	1	2	3	11	4	61.76
BSc Zoology	32	4	8	7	9		87.5
B Com	59	1	1	28	10	5	76.2
BA	33	5	6	10	9	2	97
MSc Polymer Chemistry	7			6			85.7

Year 2012-13

Course	No. Of students Registered	A+	A	B+	B	C+	%of Pass
BSc Physics	26		2	8	5		58
BSc Polymer Chemistry	25		2	5	9		64
BSc Zoology	26	1	3	13	9		100
B Com	48		6	20	4	3	69
BA	29		6	11	5	2	83
MSc Polymer Chemistry	4			4			100

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

The College plans and organizes the teaching-learning and evaluation through the academic calendar, teaching plan, department diary, class diary and evaluation forms.

Time table: Every department prepares a timetable at the beginning of the academic year in consultation with other departments to avoid overlap. The Principal keeps a master timetable and thus knows what subject is taught in which class. Regular meetings within the department and between various departments ensure that teaching and evaluation are coordinated and optimal results are produced. Such meetings have assumed added importance in the context of the remedial coaching scheme.

Teaching Plan: Every teacher prepares a detailed teaching plan after taking into consideration the allocated time, modules to be covered, skills to be cultivated,

curricular objectives, availability of technical support and examination requirements.

Department Diary: The Department diary is a record of what actually transpires in the class rooms. Activities in the absence of regular classes are also noted in the diary. The hours handled by the teachers can be easily tracked from the Department Diary. The Department Council Secretary is in charge of the Department Diary.

Class Diary: Class Diary is maintained to record the events happening in the classes every hour and the topics handled by the concerned teachers. There is a provision to mention regular and special hours separately. The Class Coordinator is in charge of the Class Diary and in his/her absence the Assistant coordinator handles the diary. It is scrutinised by the Class Tutor and then monitored by the Head of the Department.

Evaluation Criteria: Evaluation is based on clearly defined criteria and guidelines. Seminars and assignments are assessed in terms of clarity of data, organization, analysis and presentation. Before evaluation, standardization sessions are held to minimize subjective differences and to make the process more systematic and scientific. Class tutorials, a platform to review the performance of the students and share their complaints and grievances, are held twice in a month. Class tutor records the details of tutorial meeting and further steps are taken based on the evaluation of the data collected in the meeting. Projects and dissertations are also evaluated similarly, although the final valuation is left to external examiners.

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

Programmes like innovative project work, visits to industrial and historical places are undertaken and carried out to the best advantage of the

students. The NSS and various cells of our college are engaged in useful social work and set a model for society. We have a placement cell and career guidance cell which bring job opportunities to students' attention and guide them to prepare for interviews and campus selection. The college also hosts campus interviews, campus interviews, career and higher educational seminars.

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

Each department, primarily through the tutorials, rates the caliber and aptitude of the fresher batch at the beginning of the year by collecting comprehensive student data relating to socioeconomic background, academic track record and parental education. The said data are promptly documented in the Tutorial Register. This enables the tutor/teacher to treat each student as a unique person, against a demonstrable social and cognitive context. Though official bridge courses are rare, personal interventions and corrective measures are quite common and have been found effective in tiding over scholastic difficulties. The college has launched a comprehensive remedial coaching system to bridge the gap between required academic skills and the skills students actually possess. Once the academic term is in swing, through direct classroom performance, and assessment of short tests, slow and advanced learners are identified. Tutorial sessions bring out the incidence and nature of scholastic difficulties and other factors that slow down their academic progress. The College tries to ensure effective learning experience through personal interventions by the tutors and other faculty on one hand and the widespread technological support on the other. Tutors spend much of their time with students trying to spot and resolve the factors that impede learning and progress. The feedback is analyzed individually and requisite changes are effected to make teaching-learning more rewarding.

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

Continuous evaluation under CCSS is useful in ensuring the achievement of learning outcomes of our students. Grades are given on the basis of the achievement of the required skills and abilities. Besides, the exposure provided to the students through various curricular and co-curricular activities on a regular basis ensures that the learning outcomes are achieved in the course of the programme. The results obtained in the semester examinations, higher education enrolment ratio, feedback from industries, all point to the achievement of the desired learning outcome on the part of our students.

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

Our institution uses evaluation outcomes as an indicator for evaluating students' performance. Selection of best students is made by the teachers based on their performance in seminars and discussions. Those students are directed for doing compeering in seminars, as moderators in discussions, as quiz masters in quiz competitions to name a few. The students who score well in their internal evaluation are sent to participate and present papers in the regional and national seminars.

CRITERION III

RESEARCH, CONSULTANCY AND EXTENSION

3.1. Promotion of Research

3.1.1. Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

Nil, The Post Graduate Department of Chemistry has applied to University of Calicut for a Research Centre in 2013-14. The processing of the application is going on and sanction is awaited.

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 college has a Research Promotion Council (RPC). The major objectives of the council are

- To encourage faculty members to become globally competent by serving as resource persons in the respective disciplines in National/ International events.
- To encourage research publications by faculties and post graduate students.
- To encourage faculty members to take initiatives in the conduct and participation of workshops/seminars sponsored by various funding agencies on topic of current relevance.
- To motivate the faculty members to submit proposals for major/minor projects funded by various agencies.
- To provide an opportunity for graduate and post- graduate students to present and discuss their research work in Intercollegiate/State/National level seminars/workshops.
- To organize capacity building programme to motivate faculty and students in the changing arena of research in various fields.
- To affiliate the PG Departments as Research Centres

Table 3.1: The composition of the Research promotion council

Dr. M. P. Unnikrishnan	Department of Physics	Coordinator
Dr. C. Abdul Hameed	Department of Botany	Member
Dr. M. Zeenath	Department of Zoology	Member
Dr. C. H. Moideenkutty	Department of Commerce	Member
Dr. S. R. Preetha	Department of Hindi	Member
Dr. Sajid A. Latheef	Department of English	Member
Dr. C. Rajesh	Department of Chemistry	Member

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

- The institution does not impart any constraints on the Principal Investigator in the implementation of the project and he/she is given full autonomy.
- Teachers are given special leave (FIP) for doing Ph.D while in service, as specified in university research norms and alternate teacher arrangements are made.
- e-journal accessibility facility through INFLIBNET is provided for study material collection.
- Adequate infrastructure and human resources are ensured. We provide necessary chemicals and available instruments for projects. For further analysis, we depend on the facilities available in research institutes and other colleges.
- ICT enabled resources are provided to teachers and post graduate students.
- Faculty and post graduate students members are given ample opportunity to present and participate in International/National level symposiums.

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

- All the Departments of the college provide sufficient opportunities for the students to promote research culture and aptitude. All UG and PG students have to undertake research projects as part of their curriculum.

- Various departments have organised national seminars and workshops in the emerging fields of respective disciplines to benefit the teachers and post graduate students and also to equip them with the advances made in the field of research and development.
- Study tours are being conducted to institutions of National importance so that the students get exposed to the faculties and facilities which help the blooming of research temper in them from the undergraduate period itself.
- The college has ample computer lab and internet facilities with INFLIBNET service along with the subscribed journals and periodicals to update research area.
- Students have given opportunity to attend and present papers in various seminars and workshop
- Scientific documentary presentation and expert lectures on topics of recent trends are conducted.
- Department of Chemistry has started a novel venture named 'Chembuds' which intends to develop scientific and research aptitude among higher secondary students of the state. The details are given in the Department evaluation report.

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.)

All members of the faculty are involved actively in guiding UG and PG students for their project works. A group of four students are guided by one teacher in UG courses.

Dr. U Sailaja (Department of Physics) is engaged in collaborative research work in Pharmaceutical Science with Dr. G Govindaraj of Pondichery University and Dr. M. Shahin Thayyil of Calicut University. Dr. C. Rajesh (Department of Chemistry) has collaborative guide ship of M.Sc projects with Vellore Institute of Technology and National Institute of Technology Calicut. Dr. Jisha V. S. (Department of Chemistry) has collaborative guide ship of M.Sc projects with Department of Biochemistry, University of Calicut. Department of Chemistry has research and technical collaborations with IRTC Mundur, Palakkad and Common Facility Service Centre Manjeri.

Table 3.2: Faculty involvement in research

No. of Major Research Projects undertaken during the last five years	1
No. of Minor Research Projects undertaken during the last five years	11
No. of Faculties having PhD	9
No. of Faculties awarded PhD for the last five years	3
No. of Faculties doing research	3

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 (For the last five years)

National Seminars organized	10
Workshops/training programmes	3
Details of festivals/campaigns	2
Special invited lectures	20

The details are shown in Department evaluation reports.

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

<i>Name</i>	<i>Department</i>	<i>Specialized Area</i>
Dr. M. P. Unnikrishnan	Physics	Nuclear Physics
Dr. U. Sailaja	Physics	Pharmaceutical Science
Dr.C.Rajesh	Chemistry	Polymer Composites, Green Chemistry
Dr. Jisha V. S.	Chemistry	Organic Synthesis, BioPhysics
Dr. M Zeenath	Zoology	Wildlife
Dr.S R Preetha	Hindi	Biographical Novels
Dr. Sajid A Latheef	English	Film Adaptation
Dr.C. Abdul Hameed	Botany	Pteridology

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

Different departments of the college have conducted National and State level seminars, invited talks and workshops. They have invited Professors and Scientists from different Universities and research institution in India and abroad to interact with the students and to inspire research activities. Alumni members of this college who excel in their fields are invited to interact with students.

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?

Nil. The provision has not yet been introduced by the Govt. of Kerala.

3.1.9. 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)

Students of the neighboring schools visit the department for advice and also for using the lab facilities of the department. In 2011-12 the Oriole Nature club under the auspices of Department of Zoology launched a campaign on Biofarming. They have distributed cabbage and cauliflowers among the students and nearby villagers. The flowers harvested from different fields were exhibited and farmers were honoured. ZOEAC under the Department of Zoology have distributed hybrid varieties of saplings to the selected poor farmers in the nearby village. They are carrying out analysis of water sample from wells of nearby villagers. They have conducted a campaign and study survey on monsoon diseases. Polychem under the auspices of Department of Chemistry conducted a demonstration class for detecting adulterants in food stuffs purchased from market. Polychem organized workshops on the preparation of toilet soaps, face cream, shampoo and pain balm.

3.2. Resource Mobilization for Research

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

The major portion of funding for research activities comes through grants from UGC and other agencies. The college management provides adequate infrastructural support for research activities.

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

There is no provision in the institution to provide seed money. Teachers are encouraged to apply for external funding and fellowships through minor and major projects.

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

The institution encourages Post Graduate students to apply for summer fellowships of various funding agencies and institutes like KSCSTE for doing their projects.

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

Various Departments conduct research, seminars and workshops in collaboration with each other.

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

The institution encourages the sharing of available facilities like instruments, expertise etc., among all departments. A log book is maintained on major and minor instruments. Students are permitted to handle the major instruments only in the presence of faculty.

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.

Nil

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

Table 3.3: Details of major and minor research projects

Nature of the Project	Duration	Title of the Project	Name of the funding agency	Total grant sanctioned (Rs)
Major Project	2011-14	Folklore Traditions of Malabar Muslims (Principal Investigator: Dr. K. Hussain)	UGC	315600
Minor Project (English)	2014-16	A psycholinguistic study on disabled children – special emphasis on language comprehension and learning disabilities (Principal Investigator: Prof. Athira Radhakrishnan)	UGC	50000
Minor Project (Commerce)	2014-16	An emperical study of consumer buying behaviour and its ninfluence on consumer preference in fmcg market in malappuram district (Principal Investigator: Prof. C. K. Hassan)	UGC	50000

Minor Project (Chemistry)	2014-16	Studies on the application of antimicrobial and adsorbent properties of chitosan in developing good quality water filters. (Principal Investigator: Dr.C.Rajesh)	UGC	150000
Minor projects (Chemistry)	2013-15	Synthesis of spiro oxazino quinoline (Principal Investigator: Prof. P.A. Raziya)	UGC	80,000
Minor Project (Physical Education)	2013-15	Effect of sandrunning and weight training on selected physiological variables of college level men (Principal Investigator: Prof. Dinil S)	UGC	105000
Minor Project (Zoology)	2013-15	Study of BOD and primary production of Kunthi and Thoothapuzha with special reference to seasonal fluctuations (Principal Investigator: Prof. K S Krishnaprabha)	UGC	46850
Minor Project (Zoology)	2011-13	Habitat distribution and diversity of fresh water food fishes of Malappuram district (Principal Investigator: Prof. P. M. Khairunnisa)	UGC	55000
Minor Project (Commerce)	2011-13	A Study Of The Financing And Marketing Practices Of Villagers Engaged In The Dairy Farming In Malappuram District (Principal Investigator: Prof. C. K. Hassan)	UGC	75000
Minor Project (Physics)	2006-08	Study of environmental radioactivity with special relevance to water, soil and vegetable samples (Principal Investigator: Dr. M P Unnikrishnan)	UGC	60000
Minor Research Project (Commerce)	2006-08	Investment culture among gulf migrants: A study in Malappuram district (Principal Investigator: Prof. C. K. Hassan)	UGC	25000
Minor Research Project (Chemistry)	2006-09	Synthesis and study of Physical property of some modified amino plastics (Principal Investigator: Prof. K M Rukia)	UGC	25000

3.3 Research Facilities

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

In addition to collection of reference books in various departments, a centralized library with multiple copies of books/ journals in all subjects is available. The central library has internet connectivity and INFLIBNET facility accessible to faculty and students. The college has a well furnished IT lab with 50 internet connected computers. A language lab is available in the department of English. The major equipments available at the Department of Physics are Optical fibre apparatus, Polarimeter, Cathode ray oscilloscopes and Spectrometers. Department of Zoology has an elaborate museum and herbal garden. The major equipments available in the Department of Chemistry are Electronic balance, Magnetic Stirrer, Hot Air Oven, Electric Centrifuge machine, Electric Stirrer, Digital pH meter, Colorimeter, Deioniser, etc.

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?

- To rise funds for improving the infrastructure and instruments, journals and library facility through assistance from management, government and UGC assistance.
- To obtain modern equipments such as FT-IR spectrometer, water analyzers etc
- To procure externally funded projects
- Start collaboration with industries and other institutions
- Subscribing more journals
- Expanding Department library both in space and in the number of books

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

Nil

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

Post Graduate departments give proper guidance to students for doing their projects in reputed Research Laboratories and National Institutions. Through this they get an exposure to elite academic community and hence to pursue their research carrier in such institutions.

3.3.5. Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

All the Departments of the College have a large number of reference books in different disciplines. The central library has subscription of many national indexed journals. Internet facility and INFLIBNET is provided for downloading recent publications in various research fields.

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.

Nil

3.4. Research Publications and Awards

3.4.1. Highlight the major research achievements of the staff and students

- Three faculties were awarded PhD during the last five years.
- There are over 20 publications in International/National Peer reviewed

journals by the faculties of the college and there are 10 presentations in International and National Conferences during the past 5 years.

- Research articles based on the M. Sc project works of two of the students of the Departments of Chemistry have been accepted for presentation in International conferences, one in China and other in Bhubaneswar, India.
- Dr. V S Jisha (Department of Chemistry) has filed a patent on Novel Porphyrin Derivatives for Photodynamic Therapy (PDT): A Process for the Preparation Thereof and their use as PDT Agents and Fluorescence Probes for Biological Applications.
- Dr. C. Rajesh (Department of Chemistry) has been invited as reviewer of the international journal 'Advances in Polymer Technology'.
- Dr. Sailaja U. (Department of Physics) has presented a paper entitled "Molecular mobility of amorphous captopril as studied by Broadband dielectric spectroscopy" in International Conference on Pharmacology and Drug Development at Department of Pharmacology; National University of Singapore on 9-11 Dec-2013.
- Dr. Sailaja U. (Department of Physics) is currently a reviewer for an International Pharmaceutical journal "Current Pharmaceutical Analysis".
- One paper of Dr. Sailaja U. (Department of Physics) is selected as one of the top 50 biomedical finding between 2008-2013. This paper currently contains 3 citations.
- Dr. Sailaja U. (Department of Physics) was a co-author for an invited talk in the seventh International discussion meeting (IDMRCS) held in Barcelona on July 2013.
- Faculties of different departments have completed several minor projects.

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?

Department of Chemistry plans to release the first issue of the journal ChemY: Journal for Young Researchers in Chemistry in July 2014.

3.4.3. Give details of publications by the faculty and students

- Number of papers published by faculty and students in peer reviewed journals (national / international): 30
- Books authored:15

The details are given with the respective department profiles.

3.4.4. Provide details (if any) of research awards received by the Faculty

- Dr. U Sailaja (Department of Physics) has won the Dayawathi Rasthogi Award for best paper presentation in the International Conference on Perspectives in Vibrational Spectroscopy held Mavelikkara (ICOPVS-2013).
- Dr U Sailaja - One research article published in European journal of Pharmaceutical Science in 2013 is selected as one of the top 50 biomedical articles of the period 2008-2013. And 3 citation for that.
- Dr. V. S. Jisha (Department of Chemistry) was the DST-DAAD Fellow in Institute of Pharmacy, University of Mainz, Germany.
- Dr. C. Abdul Hameed (Department of Botany) has won the Bharathiya Shiksha Ratan Award in 2007 with a Medal, instituted by the Economic and Human Resource Development Association, New Delhi

3.5. Consultancy

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

The institution does not have a consultancy wing in the honest sense of the word. Those who are aware of our areas of services seek our advice and expertise. The consultancy services are provided free of cost.

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

Currently, since the consultancy service offered is minimal, there is no formal policy and we have devised no mechanism to publicize the expertise. We are thinking of extending consultancy services on professional dimensions as a means of income generation for the institution.

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

The institution encourages all the departments and faculties in specific to extend their academic expertise to the benefit of the industry and thus to generate some income to their own and to the institution. Faculties are encouraged to undertake projects on regional public issues like water analysis and purification, food quality analysis; etc so that the facilities mobilized through this can be used for consultancies by science departments.

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

- Department of Chemistry is offering consultancy services to plastic and rubber manufacturing units.
- Department of Commerce provides tax consultation to business establishments and government servants.
- The staff members of Department of Languages engage in translation, editing of brochures and notices, assessment of creative writing for other educational institutions.
- Department of Zoology is engaged in culturing and distribution of larvicidal fishes.

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?

Revenue is not generated as consultancy services rendered are free of cost.

3.6. Extension Activities and Institutional Social Responsibility (ISR)

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

The institution always promotes various holistic and philanthropic activities like blood donation, distribution of food and clothing to incumbents of old age home and orphanages etc. Days of National and International importance have been celebrated or commemorated in befitting manner. The students take part in surveys of social importance. The Nature Club promotes awareness among students and public in environment protection, pollution control and biodiversity and water conservation. Various departments are themselves promoting institution-neighbourhood- community link and student involvement which contributes to good citizenship.

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

The class tutors keep close track of their students' social involvement. The Programme Officers of NSS monitor the participation of students in various socio-centric activities.

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

The institution conducts periodic meetings with stakeholders such as students, parents, alumni and eminent persons in society and solicits their perceptions on the overall performance and the quality of the institution.

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.

All out reaching programmes are a combined effort of the Principal, faculty members, non teaching staffs and students of various departments. Our students serve as contributors cum cohorts of all these activities. They get an opportunity to interact with the public. The budget for these outreach activities are met by concerned departments through sponsorships or collaborations. The faculties of various departments make themselves available for delivering lectures and talks in other colleges and schools on socio centric issues.

Department of Chemistry has organized a massive campaign against narcotics in association with the Department of Excise, Govt. of Kerala. The campaign named 'Yuvaraksha: Samooahasuraksha' (*Meaning: Save youth to save society*) received widespread attention in the District. An art procession was travelled to as many as 15 higher secondary schools in two days and a drama carrying the message against drug abuse was performed as a part of it. Polychem under the auspice of Department of Chemistry has organized several extension activities during the last four years. Some of these are

- Testing the quality of Rubber latex of local rubber farmers
- Demonstration of manufacture good quality and low cost soap for local women.
- Demonstration of easy methods for detecting food adulteration for local women.

Department of Physics organized a free Ayurvedic medical camp for the villagers of Kottapuram, near our college and medicines were given free of cost. ZOEAC, under the aegis of the Department of Zoology works exclusively as a extension and consultancy wing. Larvicidal fishes are cultured and distributed free of cost to nearby houses as an effective vector control before the monsoon. As part of "Grama shuchithuam veedukalil ninnum" (*Meaning: Hygienic village from hygienic homes*) project they have established pipe compost units in various

houses in and around the campus. They also promote these householders to switch to biogas units and have already helped to establish 5 units. Proper monitoring is done by the students and necessary advices are given to the local public. They conduct contact classes to the farmers in association with the Agricultural Department. Expertise regarding water conservation is also conducted by the Department.

Citizen Science Forum conducted a one day medical camp on Malaria diseases in association with Valanchery Grama Panchayat, Indian Medical Association & Doctor's Club Valanchery. A Cancer detection camp was also conducted by Citizen Science Forum association with Ottappalam Welfare Trust, Regional Cancer Centre, Thiruvananthapuram, PHC Valanchery & Valanchery Grama Panchayat. These two programmes were very much helpful to the people of nearby villages to the college. A CR ROM regarding more than 150 medicinal plants were prepared by the Citizen Science Forum team and distributed in the nearby schools and colleges.

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 institution designs and implements extension works to meet the demands and requirements of the local community, thus reinforcing our mission and vision statements. Two NSS units with a total annual enrolment of 100 students are functioning in the college. The activities are coordinated by two NSS programme officers, who are the faculty members. All students are volunteers of Compulsory Social Service (CSS). Forty-two days of social service is mandatory for the award of degree by the University of Calicut. A unit of Kerala 4th Battalion NCC is also functioning in the College. NCC and NSS volunteers are entitled to bonus marks while applying for admission to higher studies. College organizes personality and skill development programmes for the volunteers of NSS and NCC. Opportunities for field trips, educational tours are also arranged for the volunteers.

Table 3.4: Major extension activities

Organisation	Major activities
NCC	Annual Camp, Blood donation camp, Trecking, Eye Examination camp, Celeberation of Armed forces flag day, Republic day, Independence day
NSS	Annual Camp, Village adoption, Health awareness campaign, programme on communal harmony, Blood group donation, Blood group detection camp, Blood group directory, Class on Community Medicine, Campus cleaning, <i>Nammudae Maram</i> Campaign' in which students planted trees in the campus
Red Ribbon Club	Blood group detection camp, Blood group directory, Blood donors forum

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?

2013-14 NSS conducted a health survey in Kodumunda Village.

2012-13 NSS conducted a mental health survey in association with College Counselling centre in Valiyakunnu Village

2011-12 NSS conducted a socio economic survey in Kodumudy village

2010-11 NSS conducted a socio economic survey in Moorkanad village

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.

The extension and outreach activities organized by various departments and organizations of the institution have achieved the objective of institution's social responsibility. They help the students to know the nature and the values of life like love, empathy, helping mind etc. and the need for environmental protection for sustained development of the human race.

Students were motivated by programmes on water conservation, solid waste management, eco conservation and organic farming conducted by the Department of Zoology to practice such programmes in their own houses and even encouraged their neighbours to do so.

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

The institution invokes the cooperation of members of local self governmental institutions like district, Block and Grama Panchayaths in many of its activities. Through the socio centric activities of various voluntary organizations a good rapport is maintained between the institution and the community. Student volunteers directly interact with community and meet each and every individual during their survey programmes and the information collected is communicated to the authorities for the upliftment of people of the adopted villages. Various social and environment issues are considered.

- Ward members of Valanchery Grama panchayat were effectively utilized for the publicity of the two medical camps conducted (Monsoon diseases prevention, Early cancer detection). Support from ward members are sought for the pre monsoonal awareness campaign regarding the monsoon diseases.
- For the promotion of our solid waste management strategies we sought the help of the people nearby our campus. The public is free to move towards any of the faculty for the answers to their queries and also to share their ideas regarding any developmental aspects in the society.
- Promoting the farmers to step in to organic farming was accepted by many of them. Many of the local women enthusiastically started small scale vegetable gardening in their houses along with the pipe composting method. Such responses from the house wives were truly inspiring us. The saplings obtained

from the Krishibhavan, Valanchery are periodically distributed by the Department of Zoology. Asha workers (Accredited Social Health Activists) were effectively utilized by for the conduct of medical camps (Monsoon diseases prevention, Early cancer detection). Dr. Zeenath, Associate Professor of the department of Zoology is the district co-ordinator of National Green Corps, Malappuram district.

Students of the nearby schools are the major participants of all the activities conducted by the department. They were assigned to participate in all the invited lectures conducted by the department. They were given opportunity to visit our lab and museums. We also supplied herbs to the students to commence the herbal garden preparation in their schools and houses.

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

We are actively involved in the organization of various programmes of different organizations like National literacy mission, Kudumbasree, etc. The following institutions in the locality of the college extended their cooperation in the working on various outreach activities

1. Krishi Bhavan, Valanchery
2. PHC, Valanchery
3. Grama Panchayat, Valanchery
4. Nisar Hospital, Valanchery
5. RMTTI, Kottaram
6. MES Central School, Valanchery
7. MES HSS, Irimbilyam
8. GHS, Valanchery
9. VHSS, Valanchery

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

Nil

3.7. Collaboration

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

Various departments of the college establish linkages with institutions of National Importance. The faculties of these eminent institutions are invited for talks in our college and faculties and students of our college are benefited from their academic comprehension. Post graduate students are send to these institutions for doing their Project works. The facilities in theses institution are used many times by the faculties and students of our college. Some of the major institutions with which our departments have collaboration are:

1. National Institute of Interdisciplinary Science and Technology, Thiruvananthapuram
2. Vellore Institute of Technology University, Vellore, Tamilnadu
3. Department of Chemistry, University of Calicut
4. Common Facility Service Centre, Manjeri, Kerala
5. Cochin University of Science and Technology, Cochin
6. National Institute of Technology, Calicut
7. IRTC, Mundur, Palakkad
8. Centre for Water Resource Development and Management (CWRDM), Calicut, Kerala
9. Sea Lab, Seafood Park India Ltd., Microbiological and Chemical Laboratory Service, Aroor
10. Research centre of ST. Josephs College, Mulamattam

11. School of Chemical Sciences, Mahathma Gandhi University, Kottayam
12. Rubber Park, Perumbavoor

The post graduate students do project works in these institutions and the facilities in these institutions are utilized. Dr. C.Rajesh of Department of Chemistry has submitted a major research project to Kerala State Council for Science Technology and Environment (KSCSTE) in collaboration with Dr. A Sujith of National Institute of Technology Calicut. Department of Zoology has established collaboration with National Institute of Advanced Studies, Bangalore. Department of Physics has established collaboration with Pondicherry University and University of Calicut

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.

Currently no such MoU's have been signed by any department of the college. But the Department of Chemistry is planning to sign MoUs with Common Facility Service Centre, Manjeri for training on testing of Rubber. The department is also planning to sign an MoU with IRTC Mundoor Palakkad for giving training on ceramic ornamental designing.

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 /placement services etc.

Industry-Institution-Community interactions have contributed in a minor way to the upgradation of some of the facilities like donation of books to and periodicals to library. Various industrial houses and IT firms conduct recruitment and placement campaigns in the campus which benefit the students of the college and nearby institutions.

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

In the last four years, several eminent persons across the globe have visited the college to deliver talks and interact with staff and students, and these have immensely benefited them in enriching their knowledge.

Table 3.5: Details of National Seminars for the last four years

Year	Event	Name of Scientist/Participant
2013-14	National Seminar on Recent Advances in Organic Chemistry	1. Dr. Vijayakumar (Scientist & Ramanujan Fellow, NIIST Thiruvananthapuram) 2. Dr. Ratheesh K. V, Eindhoven University of Technology, Netherlands
	National Seminar on Western Ghats perspectives, challenges and conservation	1. Dr.V.S.Vijayan, Former head of Kerala Biodiversity Board, Gadgil committee Member. 2. Dr, Esa (Senior scientist, KFRI,Peechi) 3. Dr.Binoy (NIAS, Benguluru)
	National Seminar on Ecotourism-Potentialities of ecotourism in Malabar region of Kerala	1. Dr. Binoy(KVEMP,University Karnataka) 2.Dr.Anujith (Assistant Professor, Amal College, Nilambur) 3.Dr.Vinod Kumar(Assistant Professor, MES College, Mampad) 4.Dr.VijayachandraPillai (Associate Professor, University of Calicut)
	National Seminar on Eco tourism in Kerala-challenges and opportunities	1. Dr.VijayachandraPillai (Associate Professor, University of Calicut) 2. Dr. Ravis Mathew(Assistant Professor, Pulpally College, Wayanad)

		<p>3. Dr. Joseph. PD(Associate Professor, University of Mangalore)</p> <p>4. Dr. C.H Moideenkutty(Associate Professor, MESKVM College Valanchery)</p> <p>5. Dr. M Usman (Principal, Amal College, Nilambur)</p>
2012-13	19 th Annual Conference of Indian Colleges Forum	<p>1. Mr. P K Abdu Rabb (Minister of Education, Kerala)</p> <p>2. Mr.ET Mohammed Basheer Member of Parliament</p> <p>3. Prof. GD Sharma (President ICF)</p>
	National Seminar on Frontier Areas of Chemistry	<p>1. Dr. Ramachandran Thekkedath, Vice Chancellor, Cochin University of Science and Technology, Cochin</p> <p>2. Dr. S. Vasudevan, Professor, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore</p> <p>3. Dr. S. Ramakrishnan, Professor, Dept. of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore, Bangalore</p> <p>4. Dr. Kuruvilla Joseph, Head, Dept. Of Chemistry, Indian Institute of Space Science and Technology, Thiruvananthapuram</p> <p>5. Dr. Prasad M. Alex, Dept of Chemistry, Marthoma College, Chungathara</p> <p>6. Dr. Raveendran P. Assistant professor, Department of Chemistry, University Of Calicut</p>
2011-12	National Seminar on "Modern Trends in	<p>1. V.S. Ramachandran, Director, Regional Science Centre and</p>

	Physics” (ModPhys-2011)	<p>Planetarium, Kozhikode</p> <ol style="list-style-type: none"> 2. Prof B R S Babu (Calicut University) 3. Prof K M Varier (Kerala University) 4. Dr K P Biju (Government College, Kodanchery)
	National Seminar: Media;Are They Moving Towards Sensationalisation	<ol style="list-style-type: none"> 1. Dr. Sebastian Paul (Ex MP) 2. Mr. C. Gouridasan Nair (Chief Correspondent, The Hindu) 3. Mr. M P Prasanth (Deccan Chronicle) 4. Mr. A Sahadevan (Indiavision TV) 5. Mr. Abdul Latheef Naha (The Hindu) 6. Dr. K Yaseen Asharaf (Madhyamam daily) 7. Dr. Mohamedali N (Head, Dept of Journalism and Mass Communication, University of Calicut)
2010-11	National Workshop on ‘Citizen Science Project’	<ol style="list-style-type: none"> 1. Mr. Paloli Mohammed Kutty (Hon. Minister for Local Administration, Kerala State) 2. Dr. B. K. Anitha (Indian Institute of Advanced Studies) 3. Dr. Sindhu Radhakrishna (Indian Institute of Advanced Studies)
2009-10	National seminar on ‘Current Trends in Chemistry	<ol style="list-style-type: none"> 1. Dr. V.P. Balagangadharan, Senior Scientist & Head, Transfer technology &

		<p>Documentation group, Vikram Sarabhai Space Center, Trivandrum</p> <p>2. Prof. P Mohammed Shafi, Head of the department of chemistry, University of Calicut</p> <p>3. Prof. S. Sugunan, Head of the department, Applied chemistry, Cochin University</p> <p>4. Mr Aneesh M.H (PSMO college)</p> <p>5. Dr. Dayas, (Director,C-MET Thrissur)</p> <p>6. Dr. Prasad Edamana (Assistant professor, Department of chemistry, IIT Madras)</p>
	National Seminar : 'Micro Finance – An Indian Advantage'	<p>1. Mr. A Vijayaraghavan (Member of Parliament)</p> <p>2. Dr. VK Vijayakumar (Sreekrishna College, Guruvayur)</p> <p>3. Dr. Jayson Joseph (Bharathiyar University, Coimbatore)</p>

In addition to these, eminent faculties from various institutions conducted invited lectures on different topics.

Table 3.6: Details of invited lectures by eminent faculties

Year	Name of the Faculty	Topic of the Lecture
2013-14	Prof. K S. Janardhanan, Formerly Head, Dept of Chemistry, NSS College Nenmara	Chemistry in Day to day life
	Dr. Jacob Vadakkumchery	“Prakruthi Bhakshana Sheelangal”

	Dr. K.K.N. Kuruppu, Former Vice Chancellor, University of Calicut	‘Tipu Sultan’s rule in Malabar’
2012-13	Dr. Binitha N, Assistant Professor, SNGS College Pattambi	“Biodiesel: Present and for Future”. (Department of Chemistry)
	Dr A K Abdul Gafoor, Associate Professor, Govt. Arts and Science College, Kozhikode.	Nanomaterials
	Sri.Sandeep, Energy Technologist, Kerala State Energy Management Agency, Thiruvananthapuram	Domestic energy conservation
	Dr. R.Surendran, Head, Department of Hindi, University of Calicut	Relevance of Hindi Language in the changing scenario
2011-12	Dr. Mohammed Shafi, HOD, Dept. of Chemistry, University of Calicut	Kitchen chemistry
	Dr.Harikumaran Thampi, Associate Professor, Dept. of Life Science, University of Calicut	“Chemistry of Human Body”.
	Prof. Vinayakan R., Nenmara NSS college	Nano science
	Prof. A Vijayan, NSS College Ottappalam	“An alternative approach to dreaded diseases”.
2010-11	Mr.Hameed Ali.V, Member MNHS	Avian Biodiversity of Malabar
	Dr Mini Balakrishnan, Head of the Dept. of Physics, Providence College for Women, Calicut	Smart Materials
	Dr. Sugunan, Dept:of Applied Chemistry, CUSAT, Cochin.	Statistical Mechanics
	Mr. Midhun C, Member of European Union of Nuclear Research	Big Bang Theory
	Dr. P. Ravindran, Professor, Department of Chemistry, Calicut University.	Nano Technology

	Sri. S. Sivadas, DFO, Silent Valley Division	Need of forest conservation in current scenario
2009-10	Dr. K. K. Abdul Rashid, General Manager, Sud-Chemie, Cochin.	Catalysis
	Dr. K.V. George, H.O.D, Department of Environmental Studies, Christ College, Irinjalakkuda	Nanotechnology
	Mrs. Girija Thadyil, HOD of the English Department, Sree Vyasa College, Vadakkanchery	Development of Communication skills'

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

No MoUs have been signed yet, but these linkages have been of benefit to the staff and students of the college. Collaborative researches, projects and publications have been resulted.

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

The linkages are initiated by individual faculty, with the involvement of the Heads of Departments. When the Heads suggest for stronger collaboration, the Principal contacts the Heads of the collaborating Institutes and requests/facilitates further interaction. Formal collaboration with foreign scholars and institutes require the intervention of the Director of Collegiate Education, the Additional Chief Secretary for Higher Education and/or the Chairman of the Kerala State Higher Education Council.

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?

MES Keveeyam College is one of the leading Arts and Science College in Malappuaram District, having completed 33 years of service in higher education. It is situated in a rural village on 23 acres of land. Its location in a quiet rural area far from the fanfare of town makes it an ideal place for learners, providing the right ambience for the academic community. The college has excellent infrastructure and learning resources which are periodically updated. The eco-friendly campus, the garden, the spacious cafeteria, well equipped laboratories, etc have won admiration of the people who visited the college for various purposes. Necessary infrastructural facilities are developed and maintained through grants from central or state governmental agencies or by the management themselves. We ensure that our students are provided with latest and updated learning facilities which are compatible with any other institutions of this kind so that effective teaching and learning is achieved.

The construction of a new PG Block for Commerce is nearing completion. All existing classrooms have to be converted to smart classrooms. We have proposed the conversion of existing classrooms to smart classrooms. A new research block has been recommended for the smooth running of research programmes to be started very soon. Under RUSA we have proposed the following infrastructural developments:

Table 4.1: Details of Proposals under RUSA

Activities	Budget (Rs. in Lakhs)
Modernization and strengthening of laboratories	30
Establishment of new laboratories for existing UG and PG programmes and for new PG programmes	90
Modernization of classrooms	35
Updation of Learning Resources	30
Procurement of furniture	12
Establishment/Upgradation of Central and Departmental Computer Centres	30
Modernization/improvements of supporting departments	30
Modernization and strengthening of libraries and increasing access to knowledge resources	30

4.1.2. Detail the facilities available for**a) Curricular activities**

The College is proud to have ample infrastructural facilities for all academic activities.

- *Classrooms:*

There are 20 class rooms in total.

- | | | |
|------------------|---|-------------------|
| a. 15 Classrooms | : | 400 sq. feet each |
| b. 02 Classrooms | : | 600 sq. feet each |
| c. 03 Classroom | : | 200 sq. feet each |

All the class rooms are sufficiently spacious and ventilated, having enough number of electric fans and lights with all other necessary amenities. Classrooms are connected with E-Master Communication System and have provision for using audio visual aids when necessary.

- *Technology enabled learning spaces (SMART Class Rooms):* There are 05 rooms fitted with white boards, interactive boards, Desktop Computer, Broadband

internet, LCD projectors, Wide Projector Screens etc presently used for the P.G. programme in Chemistry

- *Seminar halls:* In addition to the SMART class rooms each department has seminar halls having Desktop computer, LCD projectors and wide screen. There are two mini seminar halls for general purpose.

- *Department Rooms*

- 6 Department rooms : 2400 sq. feet
- 1 HOD Cabin for Chemistry : 200 sq. feet

Each department has spacious room with sufficient furniture and attached toilet facilities, separate cabin for HOD and provision for computers with broadband internet connectivity, telephone, E-Master communication, etc.

- *Laboratory*

Physics UG	:	1200 sq. feet
Computer Lab I	:	400 sq. feet
Computer Lab II	:	1000 sq. feet
Zoology UG	:	1300 sq. feet
Zoology Museum	:	600 sq. feet
Botany UG	:	1000 sq. feet
Polymer Chemistry UG		1800 sq. feet
Polymer Chemistry PG		2400 sq. feet.
Commerce	:	400 sq. feet
Language Lab	:	900 sq. feet

Chemistry: Department has three laboratories. There are two laboratories for PG and one for UG. The major equipments in the laboratory include Electronic balance, Magnetic Stirrer, Hot Air Oven, Electric Centrifuge Machine, Electric Stirrer, Digital pH Meter, Colorimeter and Deioniser.

Physics: The well equipped UG laboratory of Physics has facilities, which are in tune with the requirements of the latest curriculum. It has dark room for optics experiments, store room and computers with LAN and internet facility. Some of the major equipments in the physics lab are Optical Fibre Apparatus, Polarimeter, Cathode Ray Oscilloscopes and Spectrometer.

Zoology: UG Laboratory is facilitated with the equipments like incubator, Centrifuge, Steam bath, Water bath, Slide projector, pH meter, Heater, Kymograph, etc.

Museum: Department of Zoology has a museum with more than 69 specimens and a human skeleton in a big glass case. The department also has a well maintained reading room with sufficient number of books. The department of Zoology is also maintaining a Botanical Garden with proper labelling for all trees and plants.

Language Lab: A state of the art language lab equipped with Glottophone system offers an opportunity to the students for voice training, accent neutralisation and other spoken language skills. Additionally, ample opportunities are provided in and outside the class rooms to enable the students to fine tune their talents in debating, public speaking, compering and other areas of soft skills and personality development.

Computer Lab: UGC aided ICT lab has 38 computers with internet connectivity. The college IT Centre (Centre of Innovations) also provide computer facilities. Computer Lab attached to Physics Department serves the requirements of the students of the department.

- **Library**

The college library is housed in a separate spacious block. The library has sufficient number of closed shelves for storing the books, display-racks for displaying new arrivals and latest periodicals. The Reading Hall with an area of 2000 Sq feet is well furnished and there is a separate Reading Hall exclusively for newspapers.

Central Library	:	7000 sq. feet
3 Department library and reading room:		200 sq. feet

(b) Co-curricular activities:

The college takes great interest in promoting the multifarious talents of the students and the commitment is reflected in the various facilities provided in the college for the students. Some of the facilities available at present include:

1. Auditorium 4500 sq. feet.
2. Mini Auditorium 1200 sq. feet
3. Open Auditorium : 600 sq feet
4. Rooms for:

IQAC	: 200 sq. feet
Carrier Guidance and Placement Cell	: 200 sq. feet
NSS	: 200 sq. feet
NCC	: 200 sq. feet
Nature Club	: 200 sq. feet
Minority Coaching	: 100 sq. feet
College Union	: 150 sq. feet
Fine arts Room	: 600 sq. feet
Mini-theatre	: 600 sq feet

Rooms/halls/auditorium is allotted and audio-visual facilities provided to all co-curricular activities conducted by various clubs/forums functioning in the campus. The infrastructure facilities available in the campus are also extended to university/panchayath and cultural organizations.

5. Sports

The College enjoys most of the infrastructural facilities required for sports and games. Continuous efforts are made to establish new facilities as well as to upgrade the existing facilities. A play ground with 200 mts. track and courts for Foot Ball, Volley Ball, Kho-Kho, Base ball Shuttle Badminton, Cricket and Kabadi are available for sports and games. The following indoor facilities are also available for sports and games.

Physical Education Department Room	100 sq. feet
Room for Health Club and Multi Gymnasium	1000 sq. feet
Room for Indoor Games	500 sq feet

(c) Administration

1. Principal's Room : 400 sq. feet
2. College Office : 700 sq. feet
3. Records Room : 100 sq. feet

4. Examination Room	: 100 sq. feet
5. Reception Room	: 200 sq. feet
6. Visitor's Room	: 100 sq. feet
7. Guest Room	: 600 sq. feet
8. Security Room	: 150 sq. feet

(d) Student Amenities

1. Girls' Waiting Room	: 1200 sq. feet
2. Boys' Waiting Room	: 400 sq. feet
3. Girls' Convenience Block	: 300 sq. feet
4. Boys' Convenience Block	: 150 sq. feet
5. Closed Parking Area	: 900 sq feet

(e) Staff Amenities:

1. Common Staff Room with recreational facilities	: 400 sq feet
2. Common Room For Women	: 200 sq feet
3. Employees Credit Society	: 200 sq feet
4. Closed Parking Area	: 900 sq feet

(f) Common facilities:

1. Canteen	: 3000 sq. feet
2. Mosque	: 2000 sq. feet
3. Co-operative Store	: 300 sq. feet
4. Network Resource Centre (UGC funded)	: 200 sq. feet
5. Day Care Centre	: 400 Sq feet
6. Study Centre School of Distance Education	: 200 sq. feet

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 Planning Board of the college meets every year and submits the infrastructural expansion required for new courses which are taken up by the

Managing Committee for implementation. The college, which started functioning under thatched roof shed in 1981, Now it has adequate permanent building in a well-laid out, though small campus.

Routine academic activities are planned and implemented taking into consideration the available infrastructure. The time table is organized in such a way that larger class rooms are available for the conduct of combined classes, and that both theory and practical classes can be conducted simultaneously for different batches, ensuring optimum utilization of the facilities.

Capacity utilisation is what we are doing with our infrastructure. The college ensures that its infrastructure is optimally utilized for staff, students, and the public. This is done in the following ways.

- The institution ensures the optimal utilization of the available infrastructure by effective participatory planning.
- The institution plans classes for the students in such a way by putting the available infrastructure to maximum use.
- The common seminar hall is used for multiple activities such as national seminars, film shows, staff meetings, meetings of different clubs and organizations such as Interdisciplinary forum (IF), Nature Club, etc., in addition to the indoor sports activities.
- The institution hosts for University Study centre of Distance Education program which makes use of the infrastructure facilities during holidays.
- The infrastructure is used by other governmental / semi-governmental institutions such as Public Service Commission and other public sector units for conducting various competitive examinations.

Some of the major infrastructural facilities added during the last five year are

- PG Block for Commerce
- Open air auditorium
- SMART Class rooms
- Multi Gymnasium
- Day Care Centre

Table 4.2: Amount Spent during the last four year for infrastructure development

Item	Year			
	2010-11	2011-12	2012-13	2013-14
Building	3270685	470000	1843295	2747539
Furniture		84204	57000	118319
Computers	1977950	1095705	72350	631927
Others	94861	43536	109653	55154
Total	2072811	1139241	182003	687081

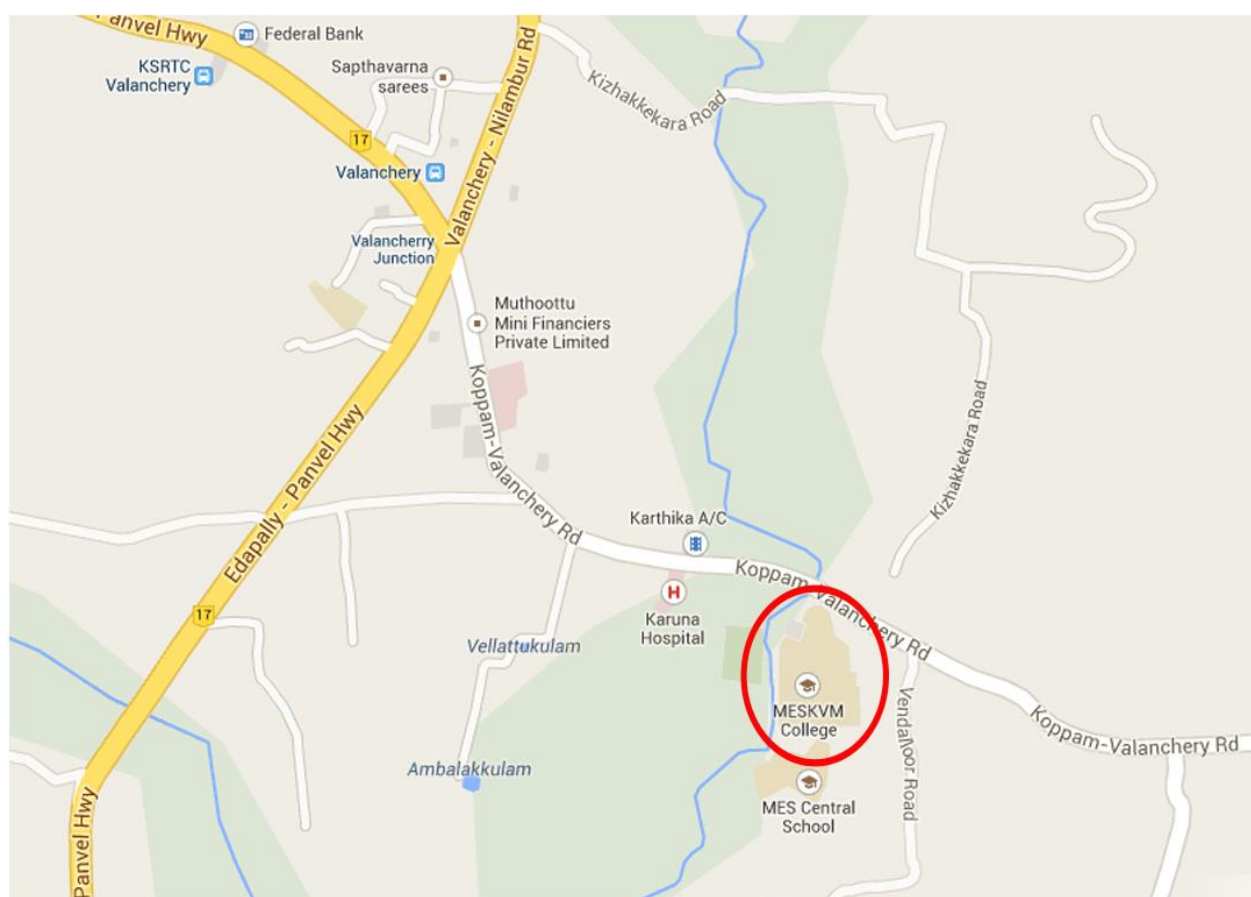


Figure 4.1: College Location Map

MES KEVEEYAM COLLEGE, VALANCHERY CAMPUS MASTER PLAN

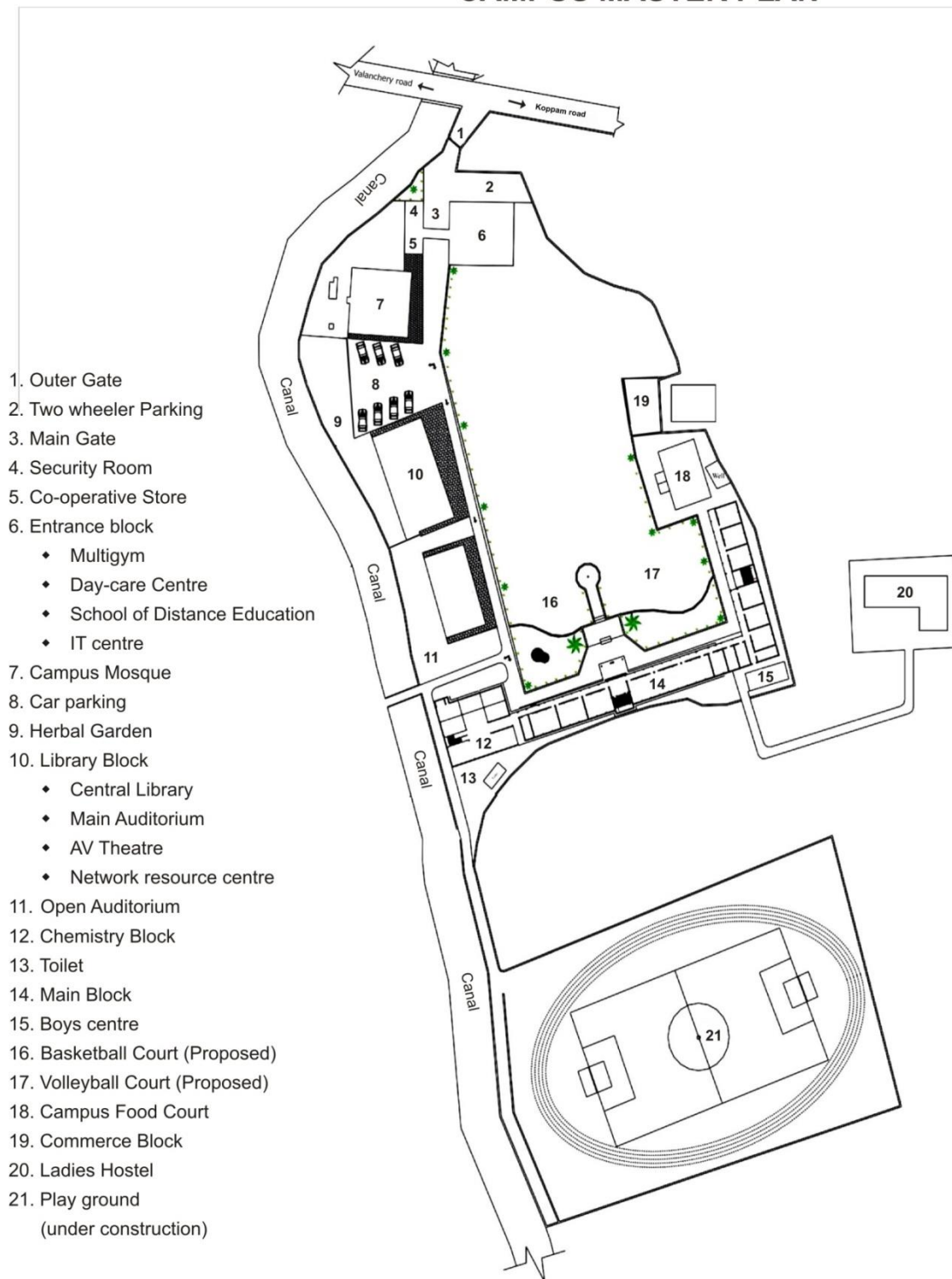


Figure 4.2: Campus Master Plan

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

There are only a few students with physical disabilities. The college has followed a very supportive approach to the needs of differently abled students. Transportation facility is arranged by the support of PTA to the physically disabled student coming from a financially backward family. During examinations, service of scribes is provided to visually disabled students.

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

Hostel Facility : Since most of the students of the institution are day scholars, limited residential facility is required for students. The college has a women's hostel with accommodation facility for 25 students. The hostel is managed by female warden. Hygienically maintained wells with pumping facilities ensure the constant supply of water. Television set and news paper are provided. The hostel office has a computer with internet connectivity. Medical assistance to the students is available in alliance with the Nisar Hospital, Valanchery which is about 1 km from the college.

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 cell under the guidance of Women Empowerment Cell is functioning at the college.
- A primary health centre under Valanchery Grama panchayath is functioning close to the college.
- Medical assistance is provided to the students in alliance with the Nisar Hospital Valanchery, which is only 1km away from the college
- Tie ups with nearby specialty hospitals to organize medical camp in the campus
- All staff members are insured under the accidental insurance policy of Kerala State Life Insurance Department.

4.1.7. Give details of the Common Facilities available on the campus – spaces for special units.

- **IQAC:** Internal Quality Assurance Cell is functioning in a room with sufficient facilities such as Desktop PC, Laptop Computer, printer and furniture.
- **Grievance Redressal Cell:** A grievance redress cell is constituted as per the directions of Collegiate Education Department and it holds its periodic meetings.
- **Career Guidance Cell and Placement Cell :** Career guidance and Placement Cell is functioning in the college. A special room is provided for the cell.
- **Counselling Centre:** A counselling centre is functioning in the campus which provides required counseling to the needy students.
- **Women's Cell:** There is a Women's cell constituted as per the directions of the Government. The girl students have a separate rest room (Girls centre).
- **Minority Coaching:** A special coaching program for the minority students is arranged with the financial aid of UGC.
- **Remedial Coaching:** Coaching is provided for weak students in the morning and evening. The financial provisions are provided by UGC.
- **Equal Opportunity Centre:** The Equal Opportunity Centre of the college conducts different programs such as classes, seminars, symposiums etc., utilizing the college infrastructure, for uplifting students from backward classes.
- **Canteen:** The well-furnished canteen, maintained under private sector under the strict supervision of the college provides food at concessional rates to students and staff of the college. It has a seating capacity of 50.
- **Co-operative Society:** The co-operative society functioning in the campus supplies books and stationary items to students at subsidized rates.
- **Drinking water facility:** Hygienically maintained wells with pumping facilities ensure the constant supply of water in the campus. Water purifiers are installed in specific places in the campus.
- **Auditorium:** The main auditorium hosts all the important meetings in the campus. It is fitted with sufficient number of fans and lamps and a good public

address system. There is a mini auditorium (conference hall) which host meetings of staff, management, etc.

- **Open Auditorium:** An open stage with a spacious ground which can accommodate thousand persons.

4.2. Library as a Learning Resource

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

Yes.

The advisory committee coordinates the smooth and systematic functioning of the library. They monitor the purchase of books and journals. They give approval to the list of books indented by the departments. They conduct timely assessment of the requirement and take active steps for up-gradation of the facilities of the library. Act as an agency to inform the students and teachers on new publications. . Supervise the conduct of stock verification.

Principal – Chairman

Librarian - Secretary

Mrs. Manjula Raman (HOD of Chemistry)

Dr.M.P.Unnikrishnan (HOD of Physics)

Mr.CK Hassan (HOD of Commerce)

Mrs PM Khairunnisa (HOD of Zoology)

Mr.KJ Thomas (HOD of English)

Mr.Jensor: Student union Chairman

4.2.2. Details of Library facilities

- Total area of the library – 1059.62 m.sq
- Total seating capacity – 96
- Working hours of the library: 8.30am to 4.30pm

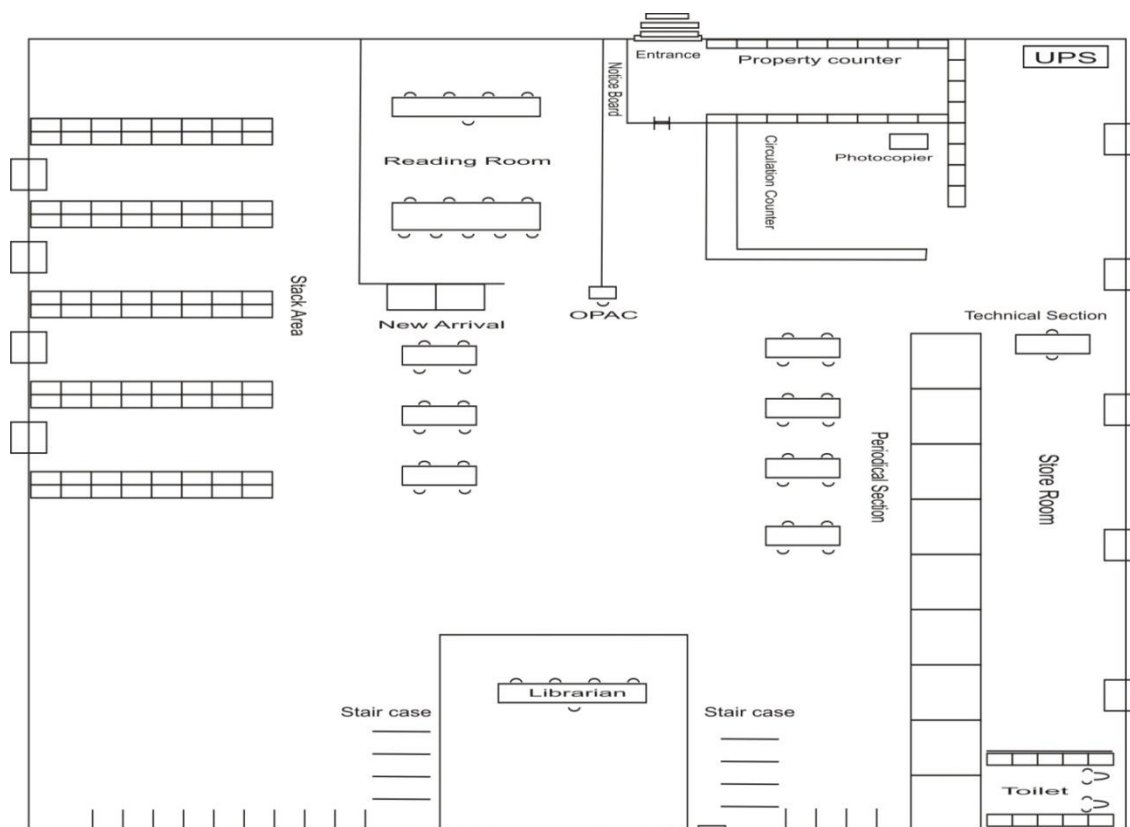


Figure 4.3(a : Layout of the Library (Ground Floor))

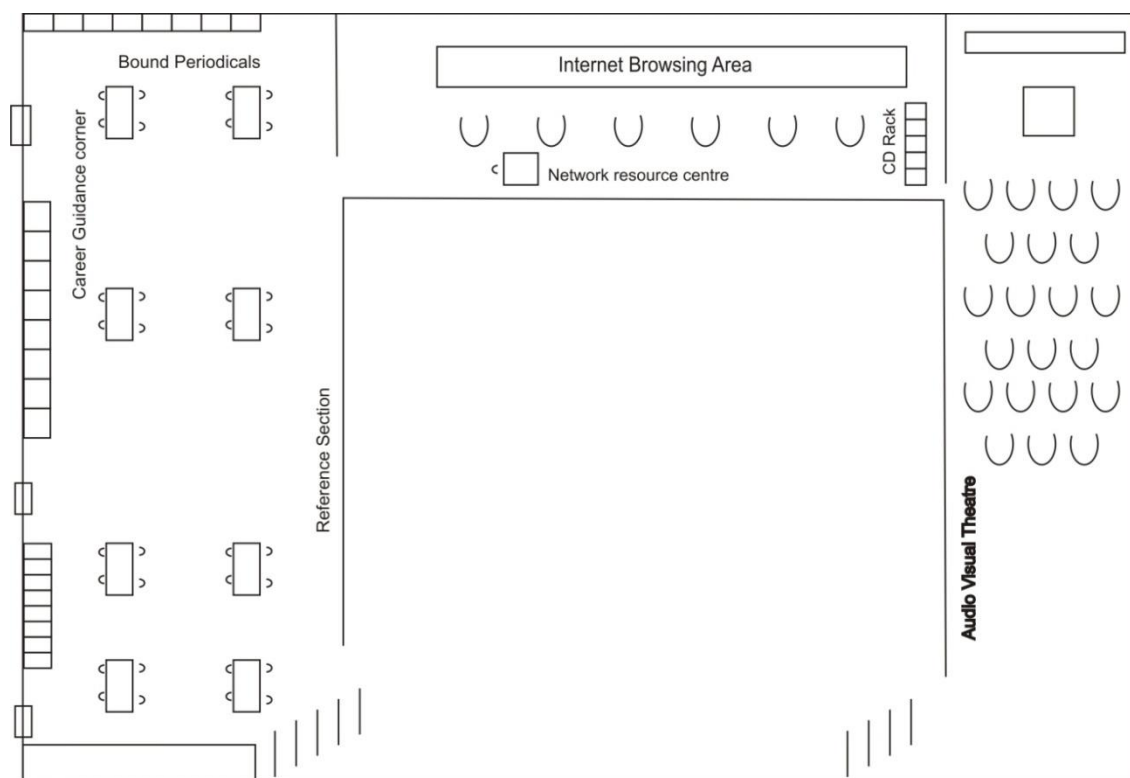


Figure 4.3 (b) Central Library (First Floor)

Library occupies an area of 1059.69 sq m in two floors.

Ground floor: The ground floor consists of sections such as News paper reading section, Circulation section, Peprographic (Photocopying section), Technical section, General reading Area, Periodical section, Catalogue section, Stack area ,Book bank section, new arrival displaying section, Librarians cabin, Property counter ,and toilet etc.

First Floor: The first floor occupies E-library, internet browsing centre, reference section, Audio visual Theatre, Career guidance corner and bound periodicals section.

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 procures important and current information resources by

- a) Receiving suggestions from the faculty and students
- b) Closely watching publishers for new information products by frequently visiting their website, reading catalogues and keeping in touch with the representatives of publishers and book sellers.
- c) Recommendations and suggestions of Library advisory committee.

Table 4.3: Amount spent on procuring new books, journals and e resources during the last four years

Library holding	Year							
	2010-11		2011-12		2012-13		2013-14	
	No.	Value	No.	Value	No.	Value	No.	Value
Text books	64	25619	21	87443	146	85523	383	2435
Reference Books	72	70531	54	38391	18	7874	39	1020
Other books	47	171263	457	148487	13	1732	368	11261
Journals/ Periodicals		29093		31087		33660		51522

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

College Library utilizes ICT enabled facilities at the optimal level to provide maximum access to library collections.

- **OPAC**

OPAC facility is available in the library. We use licensed software 'Book Magic' for operations in the library which is an Integrated Library Management System, designed by M/s Meshi Logic, Calicut, Kerala.

- **Electronic Resource Management package for e-journals**

Library provides internet access to all the staff and students. We have access to e-journals through N-LIST. Students as well as teachers can make use of it by using 12 computers connected with internet facility.

- **Federated searching tools to search articles in multiple databases**

"Book magic" the library management package enables prompt search of articles in the library.

INFLIBNET N-List programmed is another federated tool for search of articles in E-Book and E-Journals.

- **Library Website**

The information on library can be accessed through the college website www.meskvmcollege.org. There is a specific portal for the library of the college for access of digitalized information on all aspects of the library services.

- **In-house/remote access to e-publications:**

The library is a member of national level electronic information service projects (N-LIST) by the Information and Library Network, University Grants Commission, Government of India, New Delhi.

- **Library automation:**

The library is equipped with 14 computers with Internet access. The Internet bandwidth is 4 mbps, online public access catalogue, In addition, there is reprographic facility, print and digital library.

- **Total number of computers for public access**

The 12 computers in the library are exclusively meant for the registered members who include students and staff.

- **Total numbers of printers for public access**

We provide a printer within the library for public access. Photocopying facilities are offered to the interested students, staff and faculty at subsidized rates.

- **Internet band width/ speed**

The internet bandwidth is 4 mbps

- **Institutional Repository:**

Through the digital portal of the library, the following documents are accessed:

1) Ph.D theses.

2) Dissertations of Post Graduate Students

- **Participation in Resource sharing networks/consortia**

The college is a member of national level electronic information service projects such as National Library and Information services Infrastructure for Scholarly Content (NLIST) by the information and Library Network (INFLIBNET), University Grants Commission, Government of India, New Delhi.

4.2.5. Provide details on the following items

Average number of walk-ins	120 users per day
Average number of books issued/returned	69 books per day
Ratio of library books to students enrolled	22.29:1
Average number of books added during last three years	499.6
Average number of login to OPAC	80 per day
Average number of login to e-resources	10 per day
Average number of e-resources downloaded/printed	20 per day
Details of “weeding out” of books and other materials	48 books

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

Manuscripts	No
Reference	Available
Reprography	Available
ILL (Inter Library Loan Service)	No
Information deployment and notification	Available
Download	Available
Printing	Available
Reading list/ Bibliography compilation	No
In-house/remote access to e-resources	Available
User Orientation and awareness	Available
Assistance in searching Databases	Available
INFLIBNET/IUC facilities	Available

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

The library staff help the user community in identifying specific resources, make them aware of new resources.

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

Special wooden stands are provided to differently abled. Audio CDs are available.

4.2.9. Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services.

Yes.

Feedback on information sources and services provided by the library is taken from the students at the end of the academic year. A complaint and suggestion box is also placed in the library. The feedbacks are consolidated and presented before the library committee and necessary steps are taken for improvement.

4.3. IT Infrastructure

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

Table 4.4: Number of computers with Configuration

Sl No	System Name	Processor	RAM	HDD
1	ICTLAB-MAIN	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
2	ICTLABSERVER	Intel Pentium® (TM)i7-4770 @ 3.40GHz	8GB	500GB
3	ICTLAB01	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
4	ICTLAB02	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
5	ICTLAB03	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75GB
6	ICTLAB04	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
7	ICTLAB05	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
8	ICTLAB06	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
9	ICTLAB07	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
10	ICTLAB08	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75

11	ICTLAB09	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
12	ICTLAB10	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
13	ICTLAB11	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
14	ICTLAB12	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
15	ICTLAB13	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
16	ICTLAB14	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
17	ICTLAB15	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
18	ICTLAB16	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
19	ICTLAB17	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
20	ICTLAB18	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
21	ICTLAB19	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
22	ICTLAB20	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
23	ICTLAB21	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
24	ICTLAB22	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
25	ICTLAB23	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
26	ICTLAB24	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75

27	ICTLAB25	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
28	ICTLAB26	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
29	ICTLAB27	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
30	ICTLAB28	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
31	ICTLAB29	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	2GB	465.75
32	ICTLAB30	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	2GB	465.75
33	ICTLAB31	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	2GB	465.75
34	ICTLAB32	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	2GB	465.75
35	ICTLAB33	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
36	ICTLAB34	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
37	ICTLAB35	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
38	ICTLAB36	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
39	LIBRARIAN	Intel Pentium® Dual Core E5700 @ 2.93GHz	2GB	465.8
40	LIBRARY-02	Intel Pentium® Dual Core E5700 @ 2.93GHz	2GB	
41	LIBRARY-03	AMD Sempron™ Processor 2600 1.6GHz	192MB	37.31
42	LIBRARY-04	Intel Pentium® Dual Core E5700 @ 2.93GHz	2GB	465.8

43	ICTR-01	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
44	ICTR-02	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
45	ICTR-03	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
46	ICTR-04	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
47	ICTR-05	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
48	ICTR-06	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
49	ICTR-07	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
50	ICTR-08	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
51	ICTR-09	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
52	ICTR-10	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
53	ICTR-11	Intel Pentium® DUAL CORE E5200 @ 2.5GHz	1GB	150GB
54	CHEMISTRY- DEPT-01	Intel Pentium® CPU G2020 @ 2.90GHz	4GB	500GB
55	CHEMISTRY- DEPT-02	Intel Pentium® DUAL CORE E5700 @ 3.0GHz	2GB	500GB
56	CHEMISTRY- DEPT-03	Intel Pentium® DUAL CORE E5700 @ 3.0GHz	2GB	500GB
57	CHEM – PG1	Intel Pentium® DUAL CORE E5700 @ 3.0GHz	2GB	500GB
58	CHEM – PG 2	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75

59	LANG-DEPT-01	Intel® Core™ 2 CPU 4400 @2.00GHz	1 GB	465.75 GB
60	LANG-DEPT-02	Intel Pentium® Dual core E5700 3.0 GHz	2GB	465.75
61	Physics-Dept01	Intel Pentium® Dual Core CPU E5500 @ 2.80GHz	1 GB	250 GB
62	Physics-Lab Main	Intel Pentium® Dual core E5700 3.0 GHz	2GB	500GB
63	Physics-Lab01	Intel Pentium® Dual core E5700 2.0 GHz	512MB	80GB
64	Physics-Lab02	Intel Pentium® Dual core E5700 2.0 GHz	512MB	80GB
65	Physics-Lab03	Intel Pentium® Dual core E5700 3.0 GHz	2GB	160GB
66	Physics-Lab04	Intel Pentium® Dual core E5700 2.0 GHz	512MB	80GB
67	Physics-Lab05	Intel Pentium® Dual core E5700 2.0 GHz	1GB	80GB
68	Physics-Lab06	Intel Pentium® Dual core E5700 2.0 GHz	512MB	500GB
69	Zoology-Dept01	Intel® Pentium® CPU G2020 2.9 GHz	2GB	250 GB
70	Zoology-Lab	Intel® Pentium® Dual CPU E2180 @ 2.00 GHz	2GB	465.75GB
71	Commerce-PG	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB
72	Commerce-Dept1	Intel® Pentium® CPU G2010 2.80GHz	4GB	465.75GB
73	Commerce-Dept2	Intel® Pentium® E5400 2.7GHz	1GB	250GB
74	English-Dept1	Intel® Pentium® G2020 2.9 GHz	1GB	250 GB

75	English-Lab1	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB
76	Reception	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
77	Principal	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	466.75
78	Office-01	Intel Pentium® D CPU 3.4 GHz	2GB	465.75GB
79	Office-02	Intel Pentium® D CPU 3.4 GHz	2GB	465.75GB
80	Office-03	Intel Pentium® D CPU 3.4 GHz	2GB	465.75GB
81	Office-04	Intel Pentium® D CPU 3.4 GHz	2GB	465.75GB
82	Office-05	Intel Pentium® D CPU 3.4 GHz	2GB	465.75GB
83	Office-06	Intel Pentium® D CPU 3.4 GHz	2GB	465.75GB
84	Office-07	Intel Pentium® D CPU 3.4 GHz	2GB	465.75GB
85	MESSERVER	Intel® Core™ I7 4770 CPU@3.4GHz	8GB	465.75GB
86	NAAC	Intel® Pentium® Dual CPU E2180 @ 2.00 GHz	1GB	250GB
87	IQAC	Intel® Pentium® Dual CPU E2180 @ 2.00 GHz	1GB	250GB
88	MES-SELF-Office	Intel Pentium® Dual Core E5700 @ 3.00GHz	2GB	465.75
89	Server-Old	Intel	2GB	160GB
90	ICTLAB37	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB
91	ICTLAB38	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB
92	ICTLAB39	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB
93	ICTLAB40	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB
94	ICTLAB41	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB

95	ICTLAB42	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB
96	ICTLAB43	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB
97	ICTLAB44	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB
98	ICTLAB45	AMD Sempron™ Processor 2600 1.6GHz	1GB	40GB

- **Computer-student ratio:** 1: 7
- **LAN facility**
By using 6 Switches and 5 Hubs we provide LANs for different departments, library and Labs.
- **Wifi facility**
We have 6 WiFi hot spot to enable campus WiFi network
- **Licensed software :** 14 (We are planning to purchase license for all the softwares in the next two years)
- **Number of nodes/ computers with Internet facility :** 73

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

Desktop computers with broad band internet connectivity are provided to all the departments. Printer, scanner etc. are provided to each department. PG class rooms have computers with internet connectivity. Students can access internet facility from their departments. The ICT centre has 38 computers with internet connectivity where the students make use of. Library also provides computer facility to students. Internet facility is available in the library at a very subsidized rate. Wi-Fi connectivity is provided in the campus.

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

- More number of class rooms are to be made SMART with computers, internet connectivity, interactive boards, etc.
- e-Learning resources will be strengthened
- All students being admitted to first semester UG will be given a short term orientation programme on effective utilization of ICT facilities in learning.
- We are planning to provide virtual class room and online lectures through invited faculties.

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

Table 4.5: Annual Budget for computer

Year	Amount
2010-11	1977950
2011-12	1095705
2012-13	72350
2013-14	631927

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 departments are provided with computers and internet facility. The broad band internet system provides high speed access to the online services. Besides the digital language lab, Audio visual Hall, IT lab and various softwares are available for teaching and learning. Teachers are encouraged to prepare computer aided teaching /learning materials. While the teachers put in their valuable expertise the actual cost is met by the college management.

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

In the modern era of information and communication technology, class room lectures alone does not cater to the needs of the younger generation of students. The college is keen to provide all the necessary ICT facilities to our students and support them to get access to online teaching-learning resources to place them at the centre of teaching learning process and thus encourage the teachers to render the role of a facilitator.

- Students are asked to conduct their seminars and colloquiums using self prepared power point presentations.
- Projects and assignments are given in such a way to promote their searching abilities using internet facilities and other IT resources.
- Students are encouraged to initiate their own inquiry using net facility, to develop hypotheses, and then test them.

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

The college is a member of national level electronic information service projects (N-LIST) by the Information and Library Network (INFLIBNET).

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 campus facilities?

The management allocates the fund for maintenance every year taking into consideration the requirements. The allotted fund is prudently used with careful planning and sense of economy to make optimum use it.

Table 4.6: Details of amount spent on maintenance of campus facilities for the last four years

Item	Year			
	2010-11	2011-12	2012-13	2013-14
Building	11938	97283	16790	130502
Furniture	3000	5000	5000	7000
Computers	77950	95705	72350	300527
Any other	15256	272409	139000	250460

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

Proper maintenance of infrastructure is as important as creating it. The college has an alert and efficient system for the proper maintenances of buildings and other installations. Every year, the College Managing Committee, after consultations with the Planning Board, makes the required budgetary allocation. This ensures timely maintenance as well as emergent repair works. The College Development Committee with principal as chairman and a senior member of staff as convenor with representatives from faculty, non teaching staff and management is in charge of these activities.

Maintenance and repairs of routine and minor nature are attended to in-house by our own staff who have experience and aptitude in the absence of regular in-house staff for the task. The assistance of skilled/experts are obtained for major repairs. In the case of computer and some other gadgets annual service/maintenance contract is signed with expert firms. For repairs of building, we have a qualified consulting engineer and contractors on call.

All Heads of the departments maintain a stock register for the available equipment, furniture and the Principal insists upon the interdepartmental verification of stock at the end of every year and the missing or damaged items are noted.

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

College has AMC agreement with suppliers of major equipment for annual maintenance and calibration of precision instruments. Those equipments which have no AMC agreement are checked periodically by hiring the service of technicians. Common equipments in laboratories are periodically checked by the lab assistants with the help of the teachers.

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

All the Computers in various departments, laboratories, college office and general library are provided with inverters /UPS/stabilizers of sufficient wattage to check voltage fluctuation and Power failures. The college has a 125 kVA power generator to which ensures the functioning of the equipments at times where there are power cuts by the electricity department. Hygienically maintained wells with pumping facilities ensure the constant supply of water in the campus.

4.4.5. Any other relevant information related to infrastructural facilities?

The ICT infrastructure of the college is far better compared to nearby colleges. We are keen to install all necessary ICT facilities helpful to teaching, learning and evaluation process. The ICT Monitoring Cell was constituted in 2012-13 to keep an eye on the latest developments in information and communication technology and to implement it effectively for the quality improvement of the institution.

CRITERION V

STUDENT SUPPORT AND PROGRESSION

5.1. Student Mentoring and Support

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

Yes, our institution publishes its updated prospectus/hand book annually. Along with the application form for admission we also provide updated Prospectus which contains the list of courses offered, fee structure, eligibility criteria and the guidelines to fill in the application. An academic calendar with details of courses, rules and regulations of the college, admission procedures, names and telephone numbers of teaching and non teaching staff, list of working days, names of office bearers of various bodies, etc. are also made available to the students in the beginning of each academic year.

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

Different types of scholarship and freeship schemes introduced by central and state governments are made available to the students on time by the institution. The following are the main scholarships and freeships disbursed among the students. Stipends are distributed for SC and OBC students.

- Central Sector Scholarship
- Suvarna Jubilee Merit Scholarship
- Post-metric Scholarship
- State Merit Scholarship
- Muslim Girls Scholarship
- Higher Education Scholarship
- PTA scholarships for economically backward and meritorious students.

Table 5.1: Financial support for SC and OBC students in the last four years

	SC		OBC	
Year	Number	Amount	Number	Amount
2010-11	114	1051950	251	356420
2011-12	108	995180	220	312400
2012-13	114	1051190	213	302460
2013-14	113	1040575	218	309560

Table 5.2: Other government Scholarships disbursed to the students

Year	Scholarships	No.	Amount
2009-10	Muslim-Nadar/Suvarna Jubilee/Central Sector	18	115250
2010-11	Post-Matric/Central Sector, Physically handicapped	7	33550
2011-12	KSHE Scholarship	4	47000
2012-13	CH Mohammed Koya/Central Sector/SM/PH/Post Matric/Suvarna Jubilee/KSHE	149	594000

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

Table 5.3 Percentage of students receiving financial assistance

Year	Percentage
2009-10	68
2010-11	64
2011-12	64.1
2012-13	89.6

5.1.4. What are the specific support services/facilities available for? Students from SC/ST, OBC and economically weaker sections

- **SC/ST**

- Central and State Government scholarships and free ships are provided to SC/ST and OBC students.
- Various merit scholarships are given to Economically Backward Students.
- Remedial coaching is provided to all SC/ST and OBC students.

- **Students with physical disabilities:**

- Financial assistance to physically challenged students through Scholarships.
- Scribe services for university examinations.
- 3% of the seats available in UG and PG are reserved for the physically challenged.

- **Overseas students**

We have no overseas students in the campus at present.

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

Physical Education Department conducts coaching camps for various events to enable the students to participate in the competitive events at the university and inter-university level. Coaching classes are conducted for Athletics, Soft Ball, Base ball, Cricket, Table Tennis, Football, Power Lifting, and Weightlifting, Boxing, etc., on a pre-determined schedule. The department is furnished with the basic infrastructure facilities and plays an important role in moulding the personality of the students. College has a gymnasium with all modern facilities.

- **Medical assistance to students: health centre, health insurance etc.**

Medical examination for the newly enrolled students is made compulsory in our college. A well-equipped Health and Fitness Centre is functioning in the

college. Physical Education Department ensures basic health facilities for the students. Apart from this, various health awareness programmes are conducted by the NSS units of the College. In case of emergencies, *Nizar Hospital*, the nearby hospital is contacted, and their service is made available to the students. Separate rest room is provided for girl students. Ambulance/Vehicle facility is also arranged in an emergency. Utilizing the laboratory technical facilities in the Zoology department we are checking the blood sugar of those who wanted it. Using the sphygmomanometer and stethoscope in the Zoology and Physical education departments checking of the blood pressure is carried out for those who are in need.

- **Organizing coaching classes for competitive exams**

Our college has successfully conducted coaching for various competitive examinations for higher education and professional courses. Minority Coaching Centre for students who are weak in studies and Coaching Programme for SC/ST students were also conducted. Coaching was also given to students in Soft Skills in order to prepare them for interviews. Equal Opportunity Cell of the college has organized a one-day workshop for final semester students on Interview Skills. Department of Polymer Chemistry organized coaching for UGC-NET examination.

- **Skill development (spoken English, computer literacy, etc.,)**

The institution has centralized computer facilities to provide free internet access to students and staff. Short term orientation programmes have been conducted at the Centre to create awareness among students on the judicious utilization of the resources available on the internet. Training is given to students for the effective use of computers. College has a well equipped ICT lab. All departments are provided with a smart class room with all modern facilities for teaching and learning.

- **Support for “slow learners”**

Remedial coaching classes for slow learners are conducted by the departments concerned after regular working hours. Scholar Support Programme and Additional Skill Acquisition Programme are also conducted to empower weak

and average learners. Special attention is given to slow learners during tutorials. Equal Opportunity Cell has been introduced to provide a suitable enabling environment to all students with special needs and those from deprived backgrounds. The cell has organized various programmes for those students who need extra help.

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

Students from our college are given the opportunity to attend and participate in the programmes conducted by other institutions of higher learning. Classes, seminars, etc are also arranged in the college in association with professional bodies for the benefit of the students of neighbouring colleges as well.

- **Publication of student magazines**

Every year the college union publishes a student magazine. The editorial board includes a staff editor, a student editor, and other staff and student representatives. This annual publication provides an opportunity to the students to express their creativity and ideas. Besides, manuscript magazines and wall magazines are published by the department associations.

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

The college hosts an Entrepreneurial Club under the guidance of the Department of Commerce which promotes entrepreneurial skills among the students. Students are given the opportunity to develop skills relating to various careers and self-employment. Successful Entrepreneurs are honored and interactive sessions with them have been arranged on different occasions under the auspices of the ED Club of the college. Mr.K.R.Balan, MD, KR Group of companies in 2008, Mr. Hamza Anjumukkil , MD,Britco&Bridco, Kotakkal in 2009, Mr.Velayudhan,

MD, Udaya steel furniture, Randathani, Malappuram in 2010 etc., are honored. On 25th January 2014 Entrepreneur Club conducted a programme “Meet the Successful Entrepreneur”. The MD of SABAN group, was present and interacted with the students.

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.

Our college promotes the active participation of the students in various extracurricular and co-curricular activities. Financial assistance is also arranged, as required.

Sports & Games: The Department of Physical Education ensures the development of intellectually enriched, emotionally balanced and physically strong young men and women. Our college has its adequate infrastructure such as playgrounds with football field, a well equipped fitness centre, gymnasium, wrestling mats, etc. Utilizing these facilities our college ensures the participation of our students in district, university and state level competitions.

Arts & Cultural activities: A well-organized Arts Club functions in the college, nurturing and enriching creativity among the students. Students actively participate in such events as Fine Arts Festival and College Day Celebrations and various other programmes conducted by departmental associations. Our students enthusiastically participate in University level and Inter –University competitions.

Debate, Quiz, Discussion: The College conducts Debates, Quiz Competitions and Discussions, sometimes in association with outside agencies and organizations. Debates and discussions are conducted by the departments and various club quite regularly. These programmes allow students to express their views and ideas. The academic seminars and workshops also offer platforms for debates and discussions. During the year 2013-14, the District and State level Power Quiz Competition, India’s largest Quiz competition on the Power Sector

has been hosted by the College. This was organised by Kerala State Electricity Board. Our college team was qualified for the State Level Competition.

Additional academic support, flexibility in examinations: Examination Oriented special programmes such as discussions, special classes, counselling classes and model examinations are conducted in the college quite frequently. Special project like “Additional Skills Acquisition Programme” has been implemented to ensure enhancement of student skills and employability.

Special dietary requirements, sports uniform and materials: Our College tries to provide high quality sports materials for the students to ensure their excellent performance in sports events. Students are provided with quality food and snacks during the sports programmes and trips to attend sports meets. We have been regularly upgrading our sports equipment using funds from the UGC, the Department of Collegiate Education, PD Account on sports and special fees.

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

Our college regularly conducts training for UGC-CSIR-NET/GATE for post –graduate students of Chemistry, which is the only full fledged PG Department. Students are oriented towards such examinations through interaction and tutorial discussions. Books and other reading materials for all these competitive examinations are made available to the students for their reference in the Central library and Dept. Libraries.

In the last four years about 20 students from Polymer Chemistry Department alone qualified in the NET/JRF/SET/GATE examinations. In addition, about 100 students from different disciplines were admitted to institutions of national importance after completing their studies in this college.

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

A counselling cell functions in the Equal Opportunity Centre and it aims to provide counselling to the students who suffer from mental stress and other problems. The Women Empowerment Cell is very active and conducts counselling for all girl students. College has conducted various programmes in career guidance after graduation.

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

The Career Guidance and Placement Cell that functions in the college identify job opportunities in different sectors.

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

An effective Students' Grievance Redressal Cell is functioning in the college. The cell comprises Principal, PTA secretary, selected staff members and student representatives. The minor confrontations among the students' organizations are addressed by the cell. The Staff Council also plays an important role in enforcing discipline as well as redressing student grievances.

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

Women empowerment Cell functions in the college under the guidance of senior lady teachers, which has measures to deal with such issues of protection against sexual harassment. However no such instances have been reported in the college so far.

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

An Anti-Ragging Cell is constituted in the college with the Principal, selected staff members PTA members and students as members. In order to enlighten the students and their parents about this menace, the UGC guidelines regarding what constitute ragging and the severe punishments meted out to the offenders and the abettors and the person to contact in the event of any ragging are displayed at prominent places of the institution, besides including the same in the academic calendar and prospectus. An undertaking in the prescribed format is obtained from the students and their parents at the time of admission. The details of the Cell and the name and contact detail of the Nodal Officer are displayed on the notice board and students are given necessary instructions. The name and contact details of the nodal officer are also given in the website.

An incident of ragging was reported in the academic year 2013-14. Upon receiving the complaint of ragging, the matter was reported to the Police at once. The alleged offenders were suspended and an enquiry commission was constituted in the college. Based on the report of commission, all the four offenders were suspended from the college.

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

The Co-Operative Store of the college tries to meet the necessities of students relating to stationery items, text books, photocopying etc., at subsidized rates. We do have a well maintained canteen which provides food, also at subsidized rates.

5.1.14. Does the institution have a registered Alumni Association? If 'Yes', what are its activities and major contributions for institutional, academic and infrastructure development?

Alumni Association of the college has always been an active and vibrant body, supporting, directly and indirectly all the developmental activities of the

college. In tune with the tradition, the association has extended all support and help to the institution in its striving towards progress.

Alumni Association has been providing awareness classes on the opportunities of higher education and coaching to the students for various tests conducted by PSC. In 2007-2008 Alumni Association funded book bank for various departments. In 2008-2009, and 2009-2010 the overseas committee of the Alumni Association provided financial assistance to one physically challenged student of the department of commerce. In addition to that the overseas committee in association with Indian Islamic Centre, Dubai is providing financial assistance to the needy students of the college. In 2011-12 the members of the Alumni helped the commerce department by providing study materials for the use of the present students, participated in the extension activities of the department and provided financial assistance to the poor students.

5.2. Student Progression

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

**Table 5.4: Student progression to higher education
(a) UG to PG**

Year	Progression (%)
2009-2010	89
2010-2011	80
2011-2012	78
2012-2013	70

(b) PG to M.Phil/PhD

Year	Progression (%)
2009-10	14
2010-2011	18
2011-2012	25
2012-2013	8

Table 5.5 : Progression to Employment

Year	Progression (%)
2009-10	43
2010-2011	40
2011-2012	47
2012-2013	45

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

Table 5.6 : University examination results.**(a) BA Functional English**

Year	Students Appeared	Students Passed	%
2009-10	40	38	95
2010-11	38	37	97
2011-12	33	32	97
2012-13	29	24	83

(b) B. Com

Year	Students Appeared	Students Passed	%
2009-10	52	50	96
2010-11	51	41	80
2011-12	59	45	76.2
2012-13	48	33	69

(c) B. Sc Zoology

Year	Students Appeared	Students Passed	%
2009-10	28	28	100
2010-11	32	29	91
2011-12	32	28	87.5
2012-13	26	26	100

(d) B Sc Polymer Chemistry

Year	Students Appeared	Students Passed	%
2009-10	34	29	85.2
2010-11	27	20	74
2011-12	34	21	61.7
2012-13	25	16	64

(e) BSc Physics

Year	Students Appeared	Students Passed	%
2009-10	29	27	93
2010-11	34	26	76.4
2011-12	34	31	91.1
2012-13	26	15	58

(f) MSc. Polymer Chemistry

Year	Students Appeared	Students Passed	%
2009-10	11	6	54.5
2010-11	12	6	50
2011-12	7	6	85.7
2012-13	4	4	100

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

Career Guidance and Placement Cell (UGC funded) identifies job opportunities and higher education facilities. Students are informed of the higher education institutions, courses offered and admission procedures. Notifications of admission to premier institutions are made available to the students and they are encouraged to apply for admission to various premier institutions such as Cochin University of Science and Technology, Madras University, Pondicherry University, Kerala University, MG University, various Central Universities, Central Institute of Plastic Engineering and Technology (CIPET) etc.

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

College provides Remedial Coaching for students who are at the risk of failure and for the students who are academically backward.

5.3. Student Participation and Activities

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

Students of the college enthusiastically participate in various sports, games and cultural and other extracurricular activities. In the field of sports our students participate in Cricket, Football, Tennis, Weight lifting, Kho-Kho, Volley Ball, Soft ball, Base ball, etc; and other activities such as Chess, Caroms, Table Tennis, Gymnastics, Yoga, etc. The Department of Physical Education maintains a Health Club too. Our students actively participate in various cultural programs held in connection with the College/University Arts Festival such as Drama, Kathakali, Mohiniyattom, Kathaprasangam, Poorakkali, Oppana, Margam Kali, etc. Many students are adept in the use of percussion instruments for Mruthangam, Thabala, Chenda, etc. and our college has won the championship in the C- Zone and Inter-Zone competitions.

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

Table 5.7 : Performance in sports activities

2009-2010			
No.	Name	Event	State/University
1	Sarath lal	Athletics	University
2	Nikhilkumar	Athletics	University

2010-2011

No.	Name	Event	State/University
1	Sarathlal	High Jump	University
2	Mohammed Shareef	Base Ball	State
3	Mohammed Shameem	Baseball	State
4	Vajid Rahman	Athletics	State

2011-2012

No.	Name	Event	State/University
1	Mohammed Fasalulla PT	Baseball	University/State
2	Shihabudheen	Base ball	University/State
3	Shihabudheen	Soft Ball	University
4	Manikantan	Base Ball	University
5.	Sarathlal	Athletics/High Jump	University

2012-2013

No.	Name	Event	State/University
1	Jithesh V V	Kalarippayattu	University
2	Jamsheer	Best Physique	University
3	Mohammed Ali	Best Physique/Taekwondo	University
4	Vajid Rahman	Athletics/Long Jump	University
5	Mohammed Fasalulla PT	Baseball	University
6	Shihabudheen	Base ball	University

2013-2014

No.	Name	Event	State/University
1	Jithesh VV	Kalarippayattu	Kerala State
2	Mohammed Shabeeb	Athletics/Hammer Throw	University
3	Mohammed Ali CV	Boxing/Taekwondo	University
4	Mohammed Fasalulla PT	Base ball	University

The following students deserve special mention:

SHIHABUDHEEN represented Kerala State Team consecutively three times , and participated senior national Base Ball team, Captain of Kerala team; participated in senior National Baseball League, Selected to senior Indian Team in the year, 2014.

Table 5.8: Performance of students in Cultural Activities**Year: 2009-2010**

No.	Item	C Zone	Interzone
1	Elocution -Hindi	First	Third
2	Essay Writing-Hindi	First	Third
3	Story Writing-Hindi	Second	Third
4.	Wind Instrument	First	Third
5	Story Writing English	Second	Third

Year: 2010-2011

No	Item	C Zone	Interzone
1	Drama-English	First	First
2.	Mime	First	
3.	Oppana-Girls	Second	
4.	Western Music	First	
5	Western Vocal-Solo	First	
6.	Jazz	First	
7	Essay Writing-English	Second	
8	Essay Writing-Hindi	First	

Year: 2011-2012

No.	Item	C Zone	Inter zone
1.	Western Music	First	
2.	Drama-Malayalam	First	
3.	Mono Act	First	
4.	Nadan Pattu	Second	
5.	Jazz	Second	
6.	Triple Drum	Second	
7.	Keyboard	Second	

Kalaprathibha: Shamnas (BSc Polymer Chemistry)

Best Actress: Aswathi Balakrishnan (B Sc Polymer Chemistry)

Year: 2012-2013

No.	Item	C Zone	Interzone
1.	Kolkali	Second	Second
2.	Elocution-Hindi	Second	
3.	Pencil Drawing	Third	
4.	Light Music	Second	
5.	Nadan Paattu	Second	

Year: 2013-2014

No	Item	C Zone	Interzone
1.	Kolkali	Third	
2.	Duff Muttu	Third	
3.	Elocution-Sanskrit	Third	
4.	Thriuvathira	Third	
5.	Drama-Hindi	Third	
6.	Nadan Pattu	Second	
7.	Akshara Slogam	Third	

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?

Our institution collects feedback from the students every semester. A committee has been formed with a convener to monitor and evaluate the feedback and effect the needed corrections. We also receive feedback from the institutions where our graduates are employed, which reinforces our efforts to provide more facilities to our students.

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

The college union annually publishes magazines which highlight the literary and artistic skills of the students, and is a bona-fide record of the cultural, sports and academic activities of the college. Besides, every department publishes wall magazines, manuscript magazines and little magazines.

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 has a Students' Union, elected democratically in the presidential method, consisting of Chairman, Vice Chairman, General Secretary, Joint Secretary, University Union Councillor, General Captain, Fine Arts Secretary, Representatives of each batch and Association Secretary for each department. Notification for College Union Election is announced by the university. A Returning Officer is appointed by the principal as per the recommendations of the college council, and elections are conducted according to the guidelines of Lyngdoh Committee. The major activities of the Union include organizing various academic as well as cultural events to nurture the talents of the students such as the following:

- Fine Arts Festival
- Annual Sports Meet
- College Magazine
- Selection and support of students for university arts festivals
- Facilitating the various programmes of the college
- Publication of Department Magazines
- Conducting debates and Seminars, etc

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

Though the existing norms do not permit any student representation in the day to day functioning of the college, there is provision for student representation at University level with elected students become members of the senate, the supreme decision making body of the University.

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

Our college has an active Alumni association, the executive of the association (which also includes the Principal and some of the staff) convenes regular meetings and they actively participate in various activities of the college. They also provide moral and financial support for the infra-structure development of their alma mater. The Alumni Association sponsors academic seminars and other programmes. In addition to this, various departments have their own departmental Alumni Associations. The feedback and suggestions of alumni are taken into account in the implementation of various programmes of the college. The alumni and the former staff are formally invited to attend all major functions hosted by the college or the departments.

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

The college has been in the frontline in assuring maximum support to the students in their career development and progress. Many of our former students come back to the college to discuss with their teachers problems that they face at work or in higher studies, and also to share with them the joy of their successes.

CRITERION VI GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1. Institutional Vision and Leadership

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

Vision

Be a leading Centre of Higher Learning nurturing all-round academic excellence along with core human values: a vibrant institution which enlightens the youth just as it enriches and empowers them and remains a resource centre for the larger community.

Mission

- *To fulfill meaningfully the higher educational aspirations of the young men and women of the socially and economically backward area by equipping them with the enabling knowledge and skills for achieving upward mobility.*
- *To make every effort, as a young institution for horizontal and vertical growth with more custom made courses in diverse disciplines at UG and PG levels with state of the art facilities for teaching and learning.*
- *To strive continuously, to maintain and improve quality standards in all curricular and co-curricular activities creating a benchmark for excellence.*
- *To offer students a wholesome campus experience where they will learn along with the boundless pleasures of pursuing knowledge, the principles and practices of a harmonious vision of life to emerge as fine human beings and worthy citizen of a dynamic, pluralistic, egalitarian world.*

In the post-modern context of globalization and knowledge-explosion, a college in a backward rural area faces the challenges of balancing between their responsibilities towards the individual, community and industry in the nation and their classical conception as a centre of free, creative and intellectual culture. They have the social responsibility of contributing to the national prosperity in a knowledge-economy as well as retaining its prerogative to shape free-thinking minds which alone could result in culture, civilization and progress. The vision and mission of the college have been formulated in full appreciation of responsibilities and the college is guided by these principles which give it its distinct identity. The goals and objectives of the college are well defined and enshrined in the Vision and Mission Statement. Every activity in the college is guided by the goals and objectives enshrined in our Vision and Mission statements.

The Vision and Mission statements are prominently published in the College Prospectus, Student Hand Book and also displayed at the entrance of the College. These are also lucidly explained to the students and parents in introductory classes, which all the fresher's attend with their parents. Thus by continuous exposure, the students, teachers, parents and the management are constantly reminded about the goals and objectives and every earnest effort is taken to realize these goals and objectives.`

6.1.2. What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The Management makes all the necessary infrastructural facilities, appoints sincere and efficient faculty and administrative staff, takes special care to admit meritorious students in the quota allotted to them by the Government and also institute special scholarship schemes for the less privileged and the meritorious. The Principal plays a vital role in fulfilling the Vision and Mission of the college, through proper monitoring of the curricular and co-curricular activities. The Principal, being a linking factor of the Management, parents,

teachers, students, the higher authorities and the society, takes every effort to fulfill the interest of all these sections. The teacher, being the guide and mentor of the students, directly interacts and motivates the students to do their best. He meticulously sticks to the academic calendar and plan, thereby helping to fulfill the stated Vision and Mission of the college.

6.1.3. What is the involvement of the leadership in ensuring: the policy statements and action plans for fulfillment of the stated mission?

The College Council, which is made up of the Principal, HODs and two elected members of the faculty, is the supreme decision making body of the college. It meets regularly to take stock of the prevailing situation, indulges in serious discussions and comes up with concrete solution to the problems identified.

- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**

The college council through regular meetings and discussions chalk out the action plan of the college and ensures its implementation.

- **Interaction with stakeholder**

Students being the stakeholders are given enough opportunities to interact with the principal, HODs and Faculty members. General Parent Teacher Association and class PTA meetings are periodically convened to collect information from them for better interaction. Friendly relationship is established with the students through the tutorial system in which a small group of students are placed under a faculty member of the department. The student is free to share every academic as well as personal matter with the tutor. The tutor arranges counseling facilities to the needy students wherever necessary. Feedback from the students is taken at the end of every year and the result is analysed by IQAC

- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**

Discussions and interactions are provided to support for the implementation of policy and planning through need analysis, research inputs and consultations with the stakeholders.

- **Reinforcing the culture of excellence**

The college provides all support and helps to nurtures the academic and non-academic culture of excellence.

- **Champion organizational change**

Through regularly updated educational reforms and innovations, we champion the organizational change.

6.1.4. What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The Principal collects feedback on the programmes of the college from different stake holders through periodic meetings. The conveners of the different committees submit appraisal reports of all institutional activities to the college council. The council processes and submits the reports to the Principal. The action plans of the current year serve as indicators for the analysis. The Principal with the help of the staff council reviews the reports and initiates interventions. The Heads of Departments and the other faculty keep regular contact with the students and other stakeholders and their suggestions are noted and utilized for the implementation and improvement of the policies and plans.

6.1.5. Give details of the academic leadership provided to the faculty by the top management?

The Management scrupulously avoids interfering in the day to day running of the institution. Principal assigns duties to the faculty according to their capabilities. Department heads also gives full help and support to the faculty members to execute the assignments in time. Various online facilities like teachers portal run by the state government helps in sharing the information. Different funding agencies like UGC- DST, CSIR help the teachers to support the research activities.

6.1.6. How does the college groom leadership at various levels?

The department organizes activities based on the departmental meeting and also according to the direction and instruction of the principal. The faculty members are appointed the co-coordinators of various organizations like NSS, NCC, and several other clubs and forums. The programmes under these student support programmed are decided in the meetings. The students of different departments are co-opted to these clubs and forums to enable them to develop as leaders.

6.1.7. How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

The faculty members are given optimum freedom in academic matters in tune with the academic plan and in matters regarding the activities of the student support services. The Principal, as the head of the institution, unifies and coordinates the divergent activities of the college. The faculty members under the guidance of HOD manage the departmental works and they maintain the stock register and other departmental register and files. As considering the administrative part, office Head Accountant supervises and co-ordinates the function of the accounts section, establishment section, purchase section, examination, students affairs and he is accountable to the head of the institution.

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

Yes. The college promotes a culture of participative management, in which the Principal, the council members, staff members, college union, student co-ordinators, PTA are encouraged to contribute their ideas to attain the institutional goals, vision and mission. We have a very good and enlightened Management. It is the faculty led by the Principal who holds the key to decision-making process in the college. While the Management limits their role to major policy decisions and raising financial resources, all other important decisions regarding the affairs of the college are left to the faculty and the principal who go about it in the most democratic manner. The Management scrupulously avoids interfering in the day to day running of the institution and expects the faculty to take decision and implement them and the faculty on their part strives to discharge the responsibilities ensuring the health and growth of the institution.

6.2. Strategy Development and Deployment

6.2.1. Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes, Quality education is the driving force behind the formation of the college. Though most of the students studying in the college belong to the socially and economically deprived sections of the society, the combined effort of the Management and the faculty enable them to get quality education. To equip the faculty with the latest developments in their area of specialization, they are always encouraged to attend Refresher Courses, Workshops, etc. Free and frank appraisal of teachers by students also helps them at self improvement. Though no reservations are available at present for economically weaker section and girl students, the Management makes concerted efforts to accommodate these categories under its discretionary quota.

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

Our institution works with the aim of the enhancement of the academic as well as the administrative quality. This year two postgraduate courses have been started in our college. M.Com programme functions in the regular stream and M.A English in the self –financing stream. One degree course i.e. BCA in the self financing sector helps the students to compete in ICT sector. Now our college have applied for

- **U G Courses**

1. B.Sc Geology
2. B.Sc Psychology

- **PG Courses**

1. M.Sc Physics
2. M. A History
3. M Sc Zoology

The following are the key plans of the institution for the next five years.

- 1) Start more UG and PG programmes
- 2) Elevate existing PG departments to research centers
- 3) Take up major research projects
- 4) Provide scholarships to all deserving students
- 5) Development of sports infrastructure
- 6) Construction of men's hostel
- 7) Harvest solar energy for the functioning of the college
- 8) Elevate the laboratories to international standards

6.2.3. Describe the internal organizational structure and decision making processes.

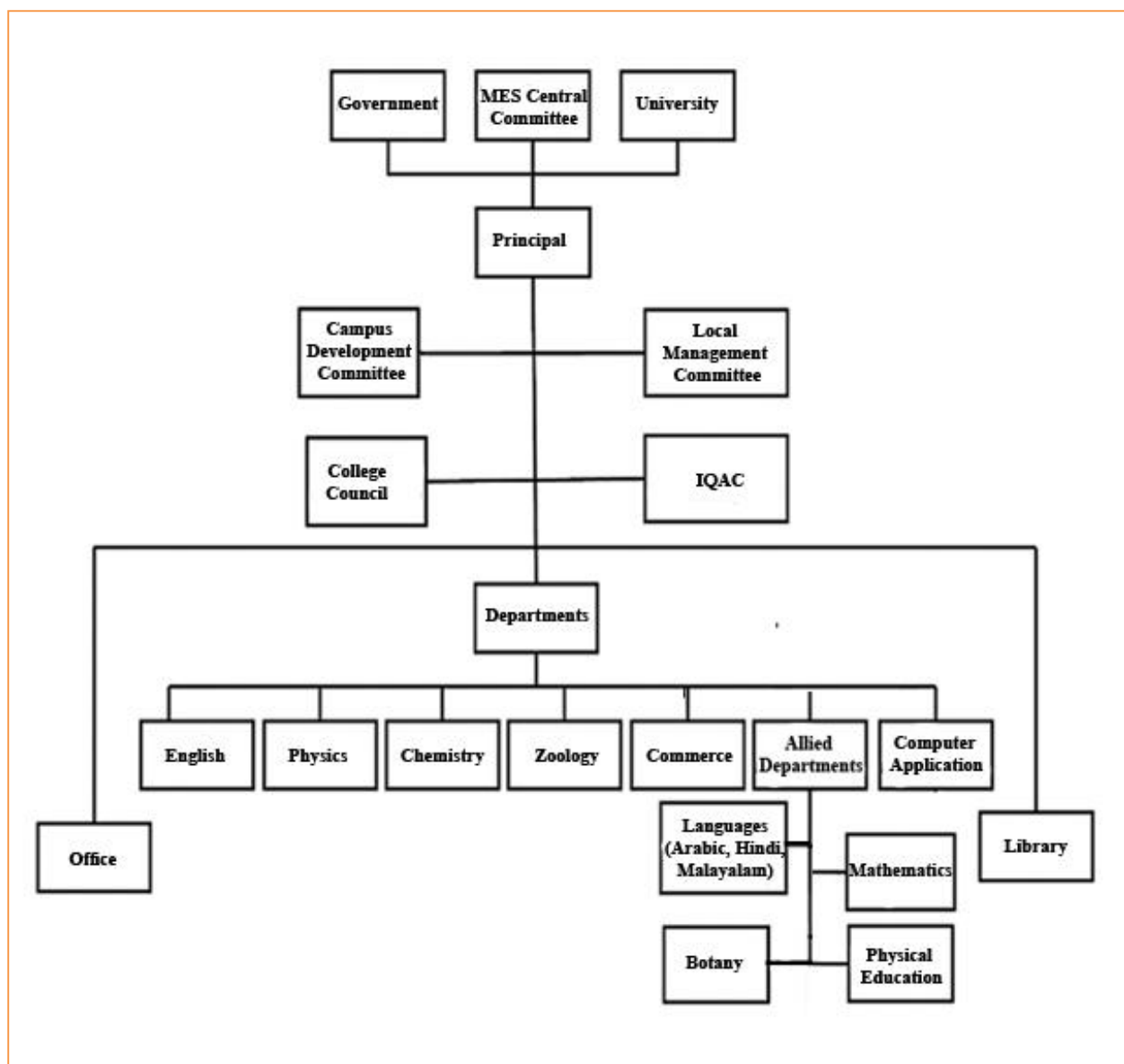


Figure 6.1: Institutions organisational structure

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

- Teaching & Learning:** The College follows a number of technology assisted quality improvement strategies. The library is well-equipped with enough number of books, periodicals and e-learning resources. ICT enabled teaching methods including the use of interactive boards, LCD

projectors; Power Point presentations, etc. are followed. Computers with broadband internet connectivity are provided even in the class rooms to keep pace with the information explosion round the world. The college provides opportunity to the teachers to attend orientation and refresher courses to enhance their teaching skill. A Digital Language Lab is set up to improve the language proficiency among teachers and students. The centralized computing facility enhances the IT skills of our students and facilitates better teaching and learning. Members of the faculty encourage students to acquire knowledge from diverse sources. Thus interactive learning takes place through field work, study tours, group discussions, quizzes, workshops, and academic seminars. Group Discussions, debates and seminars are conducted by all departments. Extension lectures by academic scholars are offered to the students. Academic progress of students is assessed through class tests. The tutorial system helps students to overcome learning difficulties.

- **Research & Development:** The College gives utmost importance to research and development. Currently the college does not have an affiliated research centre. The Department of Chemistry has applied for affiliation as a research centre under the University of Calicut. Teachers are given leave under FIP for doing PhD, as specified in university research norms and alternate teacher arrangements are made. We encourage teachers to undertake major and minor research projects. The institution does not impart any constraints on the Principal Investigator in the implementation of the project and he/she is given full autonomy. Post Graduate students and faculty members are given ample opportunity to present & participate in International/National level symposiums.
- **Community engagement:** The institution always promotes various holistic and philanthropic activities like blood donation, distribution of food and clothing to inmates of old-age-home and orphanages etc. Days of National and International importance have been celebrated or commemorated in a befitting manner. The students take part in surveys of

social importance. The Nature Club promotes awareness among students and public in Environment protection, Pollution control and Biodiversity and Water conservation. Various departments are promoting institution-neighborhood link and student involvement in social services which contributes to good citizenship.

- **Industry interaction:** The College fosters a culture of industry friendliness and creates opportunities for strong interaction of students with industries. Students of the departments of Physics, Chemistry, Zoology, Commerce etc. used to visit various industries as a part of their curriculum. Many of the PG students associate with the nearby industries in connection with the completion of the project works assigned to them. The Career Guidance and Placement Cell conduct Seminars and Workshops in which experts and stakeholders from industries interact with our students and make them aware about the job opportunities.
- **Human resource management:** Principal effectively utilizes the faculty members and administrative staff of the college for all works for the development of the college by deputing various assignments to them

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?

The principal collects the reports of the all Committees and Forums functioning in the college and these reports are discussed in the staff council for review. Principal collects suggestions for the improvement of the functioning of the college if it is find essential. Feedback from the stakeholders is also very valuable for improvement. All the important suggestions are forwarded to the MES central committee, University and higher authorities.

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 Management gives full freedom and support for the improvement of the academic as well as the administrative aspects. The faculty members are encouraged to take part and organize Seminars, Workshops, and Conferences and engaged in research work. The faculty members improve their academic knowledge through orientation as well as refresher courses. They give full help and support for securing higher degrees like M.Phil and Ph.D. MES Central committee honors new PhD holders every year at a public function. They are given mementos. This year, our college served as the venue for this function and the following faculty members were honored during the function.

1. Dr. C.H Moideen Kutty (Department of Commerce)
2. Dr. M. Zeenath (Department of Zoology)
3. Dr. Sailaja U (Department of Physics)
4. Dr. Sajid A Latheef (Department of English)
5. Dr. C. Rajesh (Department of Chemistry)

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

Resolution of the Management Council	Status of Implementation
To apply for new programmes and provide necessary facilities for the smooth functioning	Three new programmes are introduced in 2013-14. Sufficient infrastructural, administrative and academic facility provided.
Formed a three member subcommittee to monitor the construction of Commerce block	The construction of the commerce block is 90% completed
Completion of UGC aided Ladies Hostel	Construction of Ladies hostel is completed and it is ready for accommodation of students.

Financial assistance to Herbal Garden	Herbal garden was opened in January 2014.
Financial assistance to provide additional facilities in the UGC aided Day Care Centre	Additional facilities attached in the Day Care Centre.
Financial Assistance to modernization of ICT facilities	PG class rooms were made SMART with LCD projectors, Computers with broadband internet connectivity and interactive boards. College website updated with unique features. LAN extended to more workspaces.

6.2.8. Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If ‘yes’, what are the efforts made by the institution in obtaining autonomy?

Yes, Govt. of Kerala has recently granted autonomous status to some selected colleges of the state based on the recommendations of a nominated committee. The colleges were selected from those accredited with “A” grade by NAAC. The college is very much concerned about getting autonomy and to attain that we are striving hard to become an excellent centre of higher learning with more number of PG courses and research centers.

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?

College has a grievance redressal cell. The cell looks the grievances if any and takes necessary steps for corrective measures wherever necessary.

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?

Yes, the institution collects the feed back of each faculty from the students for enhancing the educational performance and to improve the quality of education.

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 teachers are given periodic training to update their knowledge about the recent developments in the academic field. The Management and the Principal provide all facility to attend Orientation and Refresher Courses. The college provides facility for the faculty members to attend and present papers in the International/National seminars. Dr. Sailaja U, Dept. of Physics, presented a paper on 'Molecular Mobility in Amorphous Captopril as Studied by Broadband Dielectric Spectroscopy' in the International Conference on Pharmacology and Drug Discovery at the National University of Singapore on 9-11 December, 2013 with the aid of UGC. All faculty members are encouraged to apply for the Minor and Major research projects. The college takes initiative and encourages departments to conduct national seminars, workshops and other academic activities. Smart class rooms of the departments are also very useful for the enhancement of the knowledge of faculty as well as students.

Computer training is given to all teaching and Non-teaching staff for improving the quality of work in an effective manner. The college encourages

Non-teaching staff for attending various training programs conducted by university and other agencies. This year the college became the venue for the two day training programmes organized by the Kerala State Higher Education Council for the administrative staff of colleges affiliated to the University of Calicut.

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 institution encourages teachers to participate in faculty improvement programmes. The faculties participate in Orientation and Refresher Courses conducted by various Universities. The IQAC has organized two quality improvement programmes in the previous year. A seminar on 'Quality of Higher Education' and a workshop on 'ICT Enabled Office Administration' were conducted in collaboration with Kerala State Higher Education Council.

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 institution adopted a very effective feedback system of the faculty and staff. The Principal informs the concerned faculty about the confidential report of the feedback and suggest methods for the improvement. The council meetings as well as the department meetings help to correct the measures.

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?

Through meetings and discussions, the college identifies the requirements and needs. The principal and the College Council motivate, guide and also help the staff based on the student feedback. Staff meetings also help to communicate and solve general matters.

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 runs a crèche to which five staff members send their kids during day-time, besides an Employees Co-operative Store, beneficial to the entire staff and students. There is also a Credit Society exclusively for the members, which provide credit facility for the needy. All the staff benefit from the welfare schemes like Provident Fund (PF), Family Benefit Schemes (FBS), State Life Insurance (SLI) and House Rent Allowance (HRA) paid every month by the Government. The Department of Collegiate Education, Government of Kerala, provides monetary and career advance benefits for those with higher qualification such as M.Phil, Ph.D.

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

The institution creates opportunities for self-improvement and provides sound working atmosphere to assure job satisfaction among the staff. This helps the institution to attract and retain eminent faculty.

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?

Campus Development Committee and Purchase Committee are the two bodies monitoring the effective utilization of available funds. The plan and non-plan fund utilization is directly monitored by the principal. The principal and the office superintendent make sure that remittances are made in time. PTA fund utilization is done by the prior permission of the PTA executive committee. The proposals placed before the PTA/Principal are evaluated and discussed in the College Council to ensure that the expenditure is for the development of the activities of the college and the welfare of the students.

6.4.2. What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.


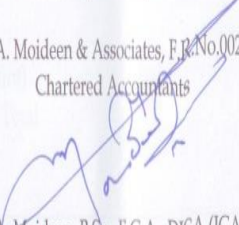


The college is a government grant-in-aid institution run by the Muslim Educational Society. Financial auditing is conducted by the government agencies and by the college management. The office of the Accountant General, Kerala and Directorate of Collegiate Education, Govt. of Kerala conduct periodic audit of financial matters. The Muslim Educational Society conducts annual auditing in the college with respect to the management accounts. In addition to this, inter-departmental verification of stocks is performed annually.

The last audit was conducted by Accountant General in 2010-11. No major objections were raised.

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

Our college is a government grant-in-aid institution. The salary and other allowances of the employees are fully borne by the government. A major amount is also provided as grant for the day to day expenses of the college. UGC sanctions a considerable amount as grant for the development of infrastructure, purchase of library books and periodicals, remedial coaching, etc. The management of the college raises funds to balance the deficit

Audited Income and Expenditure Statement for 2009-10

MUSLIM EDUCATIONAL SOCIETY (REGD.), CALICUT.					
M.E.S. KEVEEYEM COLLEGE, VALANCHERY					
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2010.					
PREVIOUS YEAR Rs. Ps	EXPENDITURE	FOR THE YEAR Rs. Ps	PREVIOUS YEAR Rs. Ps	INCOME	FOR THE YEAR Rs. Ps
10,460.45	To Lab & Library Expenses	3,474.00	30,034.00	By Bank Interest	26,914.00
29,821.50	" Printing and Stationery	5,138.50	144,231.30	" Miscellaneous Receipts	128,033.60
19,307.00	" Telephone Charges	82,344.00	52,426.00	" Rental Income	37,400.00
53,076.00	" Repairs and Maintenance	290,837.95	4,905.00	" Stationery Collection	8,858.00
27,897.00	" Travelling Expenses	40,175.00	2,730.00	" Library & Lab Fee	2,000.00
272,740.00	" Salary and Allowances	375,726.00		" Excess of Expenditure	
214,200.00	" Interest and Bank Charges	107,400.00	1,480,386.75	over Income	1,723,772.37
142,575.10	" Miscellaneous Expenses	65,699.77			
26,199.00	" Hospitality Expenses	32,659.00			
5,313.00	" Postage & Courier	7,883.00			
109,653.00	" Electricity Charges	100,046.00			
4,900.00	" Endowment Scholarship	12,238.00			
26,936.00	" Gardening Expenses	33,725.00			
7,387.00	" Audit fee and Expenses	9,312.00			
764,248.00	" Depreciation	760,319.75			
<u>1,714,713.05</u>		<u>1,926,977.97</u>	<u>1,714,713.05</u>		<u>1,926,977.97</u>
Trnakulam Vide my separate report attached					
20.01.2011					
For M.A. Moideen & Associates, F.R.No.002126 5					
Chartered Accountants					
					
M.A. Moideen, B.Sc., F.C.A., DJSa (ICAI)					
Proprietor					
M.No.022113					
					
					
PRESIDENT SECRETARY SPONSOR TREASURER					
					

Audited Income and Expenditure Statement for 2010-11

MUSLIM EDUCATIONAL SOCIETY (REGD.), CALICUT. M.E.S. KEVEEYAM COLLEGE, VALANCHERY					
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2011.					
PREVIOUS YEAR Rs. P's	EXPENDITURE	FOR THE YEAR Rs. P's	PREVIOUS YEAR Rs. P's	INCOME	FOR THE YEAR Rs. P's
3,474.00	To Lab & Library Expenses	6,756.45	26,914.00	By Bank Interest	22,159.00
5,138.50	" Printing and Stationery	22,752.00	128,033.60	" Miscellaneous Receipts	160,507.40
82,344.00	" Telephone Charges	58,084.00	37,400.00	" Rental Income	10,000.00
290,837.95	" Repairs and Maintenance	114,342.00	8,858.00	" Stationery Collection	4,080.00
40,175.00	" Travelling Expenses	25,221.00	2,000.00	" Library & Lab Fee	-
375,726.00	" Salary and Allowances	504,950.30	-	" Dividend	9,375.00
107,400.00	" Interest and Bank Charges	120,712.00	-	" Maintenance Grant	12,475.00
65,699.77	" Miscellaneous Expenses	111,361.00	-	" Grant from Central Committee	533,000.00
32,659.00	" Hospitality Expenses	45,974.70	-	" Excess of Expenditure	-
7,883.00	" Postage & Courier	7,400.00	1,723,772.37	over Income	1,874,193.05
100,046.00	" Electricity Charges	178,032.00			
12,238.00	" Endowment Scholarship	8,000.00			
33,725.00	" Gardening Expenses	49,370.00			
9,312.00	" Audit fee and Expenses	7,459.00			
-	" UGC Expenses	44,000.00			
-	" Central Administrative Fund	505,000.00			
-	" University Expenses	25,000.00			
-	" Examination Expenses	60,833.00			
760,319.75	" Depreciation	730,542.00			
<u>1,926,977.97</u>		<u>2,625,789.45</u>	<u>1,926,977.97</u>		<u>2,625,789.45</u>
Ernakulam 30.01.2012	Vide my separate report attached				
	For M.A. Moideen & Associates, F.R.No.002126 S				
	Chartered Accountants				
	M.A. Moideen, B.Sc., F.C.A., DISA (ICAI)				
	Proprietor				
	M.No.022113				
	THE MANAGING COMMITTEE M.E.S. KEVEEYAM COLLEGE				
	PRESIDENT SECRETARY TREASURER				

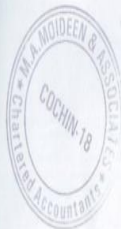
Audited Income and Expenditure Statement for 2011-12

MUSLIM EDUCATIONAL SOCIETY (REGD.), CALICUT, M.E.S. KEEVEYAM COLLEGE, VALANCHERY					
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2012.					
PREVIOUS YEAR Rs. P's	EXPENDITURE	FOR THE YEAR Rs. P's	PREVIOUS YEAR Rs. P's	INCOME	FOR THE YEAR Rs.
5,04,950.30	To Salary and Allowances	6,28,700.20	22,159.00	By Bank Interest	32,117.00
6,756.45	" Lab & Library Expenses	56,695.00	1,60,507.40	" Miscellaneous Receipts	87,492.00
22,752.00	" Printing and Stationery	37,236.00	-	" Spoken English Income	3,900.00
58,084.00	" Telephone Charges	34,511.00	10,000.00	" Canteen Rent	8,000.00
1,14,342.00	" Repairs and Maintenance	4,71,637.00	4,080.00	" Stationery Collection	67,304.00
25,221.00	" Travelling Expenses	35,947.00	9,375.00	" Dividend	9,375.00
1,20,712.00	" Interest and Bank Charges	7,632.00	12,475.00	" Maintenance Grant	8,458.00
1,11,361.00	" Miscellaneous Expenses	66,075.50	5,33,000.00	" Grant from Central Committee	-
45,974.70	" Hospitality Expenses	35,024.90	-	" Excess of Expenditure	-
7,400.00	" Postage & Courier	6,413.00	18,74,193.05	over Income	21,96,192.05
1,78,032.00	Electricity Charges	2,33,165.00			
8,000.00	" Scholarship	4,354.00			
49,370.00	" Gardening Expenses	35,470.00			
7,459.00	" Audit fee and Expenses	28,059.00			
-	" Sports Expenses	4,500.00			
5,05,000.00	" Central Administrative Fund	-			
69,000.00	" University Expenses	11,000.00			
60,833.00	" Examination Expenses	4,893.00			
7,30,542.00	" Depreciation	7,11,526.00			
26,25,789.45		24,12,838.60	26,25,789.45		24,12,838.60

Ernakulam
03.12.2012

Vide our separate report attached

For M.A. Moideen & Associates, E.R.No.002126 S
Chartered Accountants



M.A. Moideen, B.Sc., F.C.A., DISA (ICAI)
Partner
M.No.022113

CHAIRMAN

SECRETARY

TREASURER

Audited Income and Expenditure Statement for 2012-13

MUSLIM EDUCATIONAL SOCIETY (REGD.), CALICUT.
M.E.S. KEVEEYAM COLLEGE, VALANCHERY
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2013

PREVIOUS YEAR	EXPENDITURE	FOR THE YEAR	PREVIOUS YEAR	INCOME	FOR THE YEAR
Rs. Ps		Rs. Ps	Rs. Ps		Rs. Ps
6,28,700.20	To Salary and Allowances	4,86,817.00	32,117.00	By Bank Interest	23,322.50
56,695.00	" Lab & Library Expenses	6,542.00	87,492.50	" Miscellaneous Receipts	2,40,249.60
37,236.00	" Printing and Stationery	58,661.00	3,900.00	" Spoken English Income	3,900.00
34,511.00	" Telephone Charges	57,714.00	8,000.00	" Rent Income	19,500.00
4,71,637.00	" Repairs and Maintenance	2,60,340.00	67,304.00	" Stationery Collection	6,096.00
35,947.00	" Travelling Expenses	50,540.00	9,375.00	" Dividend	9,375.00
7,632.00	" Interest and Bank Charges	659.00	8,458.00	" Maintenance Grant	-
66,075.50	" Miscellaneous Expenses	1,09,885.00		" Excess of Expenditure	
35,024.90	" Hospitality Expenses	46,427.00	21,96,192.10	over Income	24,80,869.90
6,413.00	" Postage & Courier	11,234.00			
2,33,165.00	Electricity Charges	1,80,820.00			
4,354.00	" Scholarship	5,986.00			
35,470.00	" Gardening Expenses	24,750.00			
28,059.00	" Audit fee and Expenses	14,539.00			
4,500.00	" Sports Expenses	12,726.00			
11,000.00	" University Expenses	22,000.00			
4,893.00	" Examination Expenses	21,236.00			
-	" Minority Status Expenses	30,000.00			
-	" Principal Meet Expenses	6,85,510.00			
7,11,526.00	" Depreciation	6,96,927.00			
<u>24,12,838.60</u>		<u>27,83,313.00</u>	<u>24,12,838.60</u>		<u>27,83,313.00</u>

Ernakulam
31.12.2013

Vide our separate report attached

For M.A. Moideen & Associates, F.R.No.002126 S

Chartered Accountants

M.A. Moideen, B.Sc., F.C.A., DISA (ICAI)

Partner

M.No.022113

CHAIRMAN

SECRETARY
THE MANAGING COMMITTEE
M.E.S. KEVEEYAM COLLEGE

TREASURER

MEMBER AT LARGE CUM CORRESPONDENT

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

The institution is managed by Muslim Educational Society. The major financial sources are from UGC, MES management and from state government. PTA also provides financial support for the development of the college. The important grants received in the last six years are listed below.

Table 6.1: Non plan fund received from the government

Particulars	Amount in Rs.					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Salary	12592523	13138584	15197544	21836721	22877387	29336295
Grant from Govt. of Kerala	15763		12475	8458		
MLA Fund		275000				

Table 6.2: Fund from PTA Alumni

Particulars	Amount in Rs.					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
PTA	357200	408700	305250	368150	497900	480825
Alumini Association	16650	8630	7550	4000	7050	11950

Table 6.3: Management Fund

Particulars	Amount in Rs.					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Development and maintenance of infrastructure	562655	8880130	1178046	1763194	1899227	5430040

Table 6.4: UGC Fund

Particulars	Amount in Rs.					
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Infrastructure development	316280	5638720	6848867	1435000	3637191	5644031
Women's Hostel		3000000				

6.5. Internal Quality Assurance System (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?**

Yes, the college has an established Internal Quality Assurance Cell. IQAC provides the staff and the students of the college with many opportunities and acts as a platform to further their knowledge and skill. Workshops and seminars are arranged for the staff and students. The students are benefitted by the remedial coaching classes undertaken with the support of the IQAC. IQAC of the institution is committed towards the quality assurance.

- 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 management gives utmost priority to the recommendations made by IQAC regarding the academic and infrastructural development of the institution. Most of the recommendations of IQAC are being approved and provide financial sanction to them. Some of the recommendations of IQAC approved by the management committee in the last year are:

- Updation of College website
- Construction of PG block

- Purchase of New books in the library
- Applying for the sanction of new programmes
- Application to affiliate Department of Chemistry as Research Centre

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

Yes. Prof. M. Santhakumar, Vice Principal of Ideal College, Tavanur and Prof. P. Santhakumari, HOD, Department of Chemistry, Majilis College Puramannur are the two extental members. They have been making creative suggestions for the overall development of the college.

d. How do students and alumni contribute to the effective functioning of the IQAC?

Students and Alumni members cooperate with all the programmes suggested by IQAC for quality improvement.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

IQAC comprises of heads of all the departments as its members. IQAC meets frequently and discuss about the steps to be taken for quality enhancement. The decisions taken in the meetings are communicated to all the faculty members.

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

Yes: the academic and administrative activities of the college are based on the directives of the Government of Kerala, Calicut University and the College Management.

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

Yes, the administrative staff undergo refresher course organized by the university. The faculty members regularly update their knowledge by attending orientation and refresher courses, training programmes conducted by the university.

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 academic audit is achieved thorough student feedback on the program, structure and quality of teaching. SWOT analysis is undertaken every year, by an internal as well as by an external team of experts.

6.5.5. How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The IQAC in which all the HODs are members, regularly meet and take note of the directions issued from time to time by the UGC and NAAC. All the activities and developments in the college in line with the directions of the UGC and NAAC are properly documented so as to present it to the authorities as and when required.

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

Academic Monitoring Cell is functioning in the college to monitor the effective implementation of the curriculum. An effective Tutorial system is functioning in the College. Each class is under the supervision of a tutor who

guides and advices the students in all academic and non-academic activities. Sometimes personal problems of students are also addressed by the tutor. Class co-coordinators are selected at the beginning of each academic year. They keep a Class Diary in which all the academic and non-academic activities are recorded. Departmental diary is maintained by the concerned HODs and it tracks the working system of the Departments.

The college collects Year Plan from each department at the commencement of every academic year which enumerates the strategies each department is adopting to complete the courses in time. For student evaluation, the institution conducts internal examination in the mode and manner of university examination. Grades are also awarded to assignments, projects and viva voce and based on these elements internal marks are awarded. . Final evaluation is done by the university depending on the external examination.

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

The best ambassadors of the institution to communicate its quality assurance policies are the students and alumni. The calendar, prospectus and website of the college and the media reports, Best Practices, extension activities of the departments, etc. also communicate its policies and outcomes to the various internal and external stakeholders.

6.5.8. Any other relevant information regarding governance Leadership and Management which the college would like to include.

The college is run under the corporate management of Muslim Educational Society (MES). MES is the biggest educational agency of the Muslim community in India having thousands of life members and hundreds of institutions. The secular organization has firm belief in the Indian polity and adheres to the concept of social justice. The cardinal principle of the organization is that the development of the individual leads to the development of the community, which finally leads to nation building.

CRITERION VII

INNOVATIONS AND BEST PRACTICES

7.1. Environment Consciousness

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

We have initiated eco friendly measures in our institution. Our system does not follow a structured green audit. The College has started deliberations on implementing Green Audit in the campus from next year onwards.

7.1.2. What are the initiatives taken by the college to make the campus eco-friendly?

- **Eco conservation**

Oriole Nature Club and Bhoomithra Club under the leadership of Dr. Zeenath.M conducted various eco – conservation programmes in and out of the campus. The agitation of the students of the college against the destruction of hills in various places of the Valanchery Panchayat got much public attention. The one day hunger strike in this regard by the students was highly appreciated by the society and the Media. Department of Zoology took up a project for the conservation and restoration of Tirur river. Our students took part in the e-bird survey programme at Purathur, which was a preliminary step of the Forest department for the conservation of migratory birds. Larvicidal fishes are cultured and supplied to the nearby houses for effective mosquito control. A herbal garden is maintained in the campus by the Department of Zoology to make the new generation aware of the use of traditional medicinal plants. More than 150 traditional plants are conserved in our garden.

- **Hazardous waste management**

No hazardous waste is generated in the campus by any department. The college takes special care in handling and storing chemicals. The chemicals used by students in the laboratory are in dilute form, and the waste water is drained out to the underground tank specially designed for the purpose.

- **E-waste management**

We are planning to enter into an agreement with suppliers of e-Equipment for managing e-Waste.

- **Organic farming.**

Department of Zoology has conducted various invited talks about the perils in the modern farming methods by using large scale of pesticides and other chemicals. The nature club took initiative to start organic farming in the campus. This venture became successful due to the volunteered involvement of the students and enthusiastic approach of the staff. The students themselves distributed vegetable saplings to the school children to start vegetable garden in their own houses. The members of Oriole Nature Club and Bhoomithra Club took part in various activities in the Padashekharam (Paddy field) at Kottaram, which adopted the system of “No Cost Natural Farming Techniques”.

- **Water harvesting**

Students actively took part in the various water conservation programmes. They took keen interest in the water conservation programmes organized by the Zoology Department and Nature Club. The demonstration by Mr. Tony Thomas motivated the students to practice such programmes in their own houses and even motivated their neighbours to do so whenever they face severe water scarcity problems.

- **Use of renewable energy**

Under the auspices of Department of Zoology biogas units were constructed in the nearby wards of Valanchery Panchayat after a preliminary survey. A sample unit was assembled inside the campus. In addition to this the department of Zoology installed a pipe compost unit for solid waste management. Dr.C.Rajesh (Department of Chemistry) has submitted a project proposal to Valanchery Gramapanchayath for production of electricity from municipal waste. He is involved in the discussions regarding the renovation of biogas plant associated with the slaughter house of the Panchayath. The biogas is proposed to use as a fuel for working of power generator and hence to produce electricity which will suffice to the functioning of the slaughter house.

- **Energy conservation**

The institution believes in conservation of energy and restricts the usage of electrical equipment on a need basis. Energy saving attitude has been cultivated among students and staff through awareness programmes, discussions, and environment related campaigns. During the year 2013-14, the District and State level Power Quiz Competition, India's largest Quiz competition on the Power Sector has been hosted by the College. This was organised by Kerala State Electricity Board. Our college team was qualified for the State Level Competition. NSS Units of this college have launched several campaigns to sensitise the students and neighbouring people on the need for energy conservation.

- **Efforts for Carbon neutrality**

The College has been nurturing a large number of plants and trees, which can absorb carbon-dioxide. Department of Zoology has constructed "Susruthum" Herbal Garden in which many medicinal plants find a place.

7.2. Innovations

7.2.1. Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

1. Information management system (Effective administration and fast Communication)

MES Keveeyam College has a new web oriented information management system (Total Campus Solutions). This online software is helpful in managing all information relating to the college, including the admission process, time table, attendance of students, issue of TC, feedbacks etc. It also helps providing Information regarding the college Administration, Faculty, Students and Parents. This system enables the college administration and faculty to update/manage the complete data base of students. This data base can be available online for students and parents through the login access provided to them.

2. Utilisation of ICT facilities

Over the last four years the college has gone for substantial innovations by introducing ICT in teaching-learning. The college has sufficient number of computers with internet facilities installed in various labs to enable the students to access them easily. All students are offered accessibility to computer with broadband internet connectivity. PG class rooms are equipped with LCD projector, Interactive ‘SMART’ board, internet connectivity etc. Wi-Fi connectivity is also provided to the students.

3. Teaching and Learning

Classroom activities have undergone substantial changes over the years. From the days of class room learning, which was synonymous with spoon feeding, students are made to think and act with appropriate motivations. These innovations are introduced to make teaching-learning more student centric and

equip them to meet the challenges of future. Innovative ideas are discussed among teachers and implemented jointly and severally. In the context of knowledge explosion, life ahead for students depends on their ability to keep their antenna erect and learn and re-learn continuously. This new development necessitates a paradigm shift in higher education. Instead of being dispensers of knowledge capsules, teachers have to be resourceful and imaginative facilitators. Significant innovations in these directions have been made by the college in recent years.

4. Language Lab

A fully equipped Language Lab helps the students substantially in voice training, accent modulation, etc.

5. Audio Visual Theatre

An audio Visual Theatre is functioning in the college to provide opportunities for presenting their skills in theatrical arts and films. Currently it is equipped with Desktop computer, LCD projector, Television set, Public address system etc.

6. ASAP (Additional Skill Acquisition Programme)

This is an initiative of the Govt. of Kerala. This programme aims at equipping the students with skills in communication, IT and in areas of their interest in industry and service sector. Students of our college participated in this programme and some of them are selected as trainees to impart training to school students.

7. Centre for Innovation

It is the computer centre run by the college management which offers innovative software and hardware programmes for students of this college and even to outsiders. The following courses were offered by the centre in the previous years

- Course on Computer Hardware, Network Engineering & Laptop Engineering
- Professional diploma in Computerized Instrumentation (In Associate with KELTRON, A Government of Kerala Undertaking Industry)
- One Year Professional Diploma Programme In Network Engineering

8. Continuous evaluation

Continuous evaluation of the students is carried out through oral tests, home assignments, project work, seminars, paper presentation and internal assessment. It helps to improve the performance of students in University exams and other competitive examinations.

9. Innovative techniques in Assessment

Surprise tests, case studies, paper presentations on general topics, assignments, debates, etc., are incorporated in assessment.

10. Internal Assessment

Internal assessment takes into account discipline, punctuality, attendance in the class, communication skills, etc. In addition to performance in internal examinations, and innovative efforts are introduced in the internal tests to ensure the best learning outcomes. Students are informed about the components that make up the division of the internal assessment which carries 20% of their total marks. Proper weightage is given to attendance, assignments, seminar presentation, and performance in the internal examinations.

11. Students and Technology

Introduction of the semester system brought with it many changes. Handling the new curriculum involved a shift from the lecture mode to the teacher as facilitator of learning process. It focuses on the presentation skills of the students

as manifested in seminars, with its endeavour to equip the student with greater exposure to critical thinking and communication skills. It aims at moulding the students into citizens of the new technology driven world order. LCD projectors, internet connectivity, smart classrooms, etc., have been made available to the students of all departments.

12. Remedial Teaching

Since our college is situated in a rural area, most of our students are from socially and economically backward backgrounds. The college has made it a priority to conduct remedial classes for students from SC, ST and other backward classes to help them in their quest for knowledge. Generally, the classes are arranged from 8.30 to 9.30 am and from 3.30 to 4.30 pm. The teachers as well as the students are actively involved in maximizing the benefits of the classes. Additional study aids are also given to help the students learn and revise what they have learnt.

13. Add-on Courses

The College is concerned about enhancing the quality of education. Value addition has been attempted through the introduction of add-on-courses. Department of Zoology, Department of Physical Education, Department of English Department of Physics, are offering add on courses in Medical Lab Technology, Yoga Therapy, Communication skills and Electronic communication respectively from 2008 onwards.

14. Scholarships and Endowments

The Annual Merit Day celebration of the College encourages students to excel in academic and co-curricular activities. Endowments and prizes are sponsored by the PTA, management and other well wishers. Special effort is made to announce prizes for students of limited means who show excellence. The most prestigious awards like Best Boy award, Best Girl Award, Best Performer in Arts, Best Performer in Sports, etc. are distributed on the same day. Various Scholarships for SEBC students, Minority students, Differently abled students,

and meritorious students and girls students constituted by the management are the highlights of this college.

15. Web site

To keep in touch with the requirements of the time, our college has upgraded from a barely functional website to one rich in features and with great potential for recording and storing all relevant data relating to the college at www.meskvcollege.org. It has many unique features very much helpful to students. There are provisions for downloading study materials, previous question papers etc. Students can interact with teachers online using their unique user id and password.

16. Smart Class Rooms

All the PG class rooms are made SMART by equipping them with LCD projectors and computer with internet access. One SMART class room is provided to those departments which do not offer PG courses.

17. Better amenities

Ample rest room facilities, purified drinking water facility etc are provided to all.

18. Day Care Centre

Well equipped Creche has been functioning in the campus since 2013. Ten babies are given daytime care by the two babysitters.

19. Moral Study Centre

The centre focuses on the cultivation of moral values and principles of ethics among students. Students are also provided opportunities to familiarise themselves with the tenets of all religions.

20. Blood Donation Drive

To facilitate blood donation, the NSS units, Red Ribbon Club and Blood Donors Forum functioning in the College conducts blood group detection programmes every year based on which a directory is prepared. Volunteers of the forum are always ready to donate blood to the needy when required. The silent humanitarian service has benefited hundreds of people in and around Valanchery.

21. Industrial Visits

The students are encouraged to visit industries in and around the district so that they can directly observe the functioning of industries. This has a good impact on students in terms of creating awareness and a clearer understanding of the concepts and techniques learnt in the classroom.

22. Home for homeless

Many innovative programmes under the auspices of NCC and NSS have been undertaken. NSS units of college constructed a house for the family of Rijusha (B.Sc Zoology student).

23. Socio-economic survey

NSS units and CSS of the college are conducting socio-economic and mental health survey in the neighbouring villages of the college.

24. Water quality testing

Department of Zoology in association with Chemistry Department is used to test the water quality parameters for the local people to find their water is potable or not.

25. TSC and DRC Testing

The consultancy and extension wing of the Department of Polymer Chemistry, Polychem tests total solid and dry rubber contents of rubber latex for the local rubber planters.

26. Skill acquisition program

The consultancy and extension wing of the Department of Polymer Chemistry, **Polychem** focuses on reaching out to the local population and industrial establishments. The centre gives skill acquisition program like training in making of toilet soaps, face cream, shampoo, pain balm etc to the students and *Kudumbasree* units of Tirur taluk.

27. Food for thoughts

Every day, proverbs and maxims is displayed on the notice board under the auspices of **Vagartha**, a resource centre for English .Birth and death anniversaries of literary figures are observed by Vagartha.

28. Stress management program

The department of Physical Education undertakes at regular intervals stress management programs among staff and students. Prof. Dinil.S.Pillai organizes classes to relax the mind and physical problems through psychological approach. Yoga and meditation are the part of these programs.

29. Pre-marital Counseling

College effectively make use of the service of Prof.N.M.Varghese ,the renowned counsellor to provide pre marital Counselling classes to the outgoing students. Classes on good parenting, time management etc are also provided. Individual counseling and group counselling service are conducted as when needed.

On an average seven such individual counseling services organized by the counseling centre.

30. Herbal Garden

Beautifully maintained herbal garden has been set up in the western part of the campus under the supervision of Zoology department, in which about 150 medicinal plants are available.

31. Study tours

Every year study tour programmes are arranged by all the departments in consultation with tourism Club. The Tourism Club identifies the ideal destinations and other altered arrangements to the tours.

32. Amateur Drama Fest

The College was chosen as the venue for Kerala state Drama competition organized by the Govt. of Kerala in association with the college Akshara Literary Club. It was an opportunity for the students to closely watch the latest trends in the field of Drama. The program was arranged in the academic year 2010-2011.

33. Protest March

The women empowerment cell of the college organized processions on atrocities against women on two occasions. To sensitize the girl students of the college about the probable dangers involved in their overexposure to mobile phones, spy camera and addiction to social net working sites. The women empowerment cell of the college conducted a one day seminar in which persons from the cyber cell, human rights activists and eminent lawyers participated. The students were given proper awareness about the dangers lurking in the darkness and what all precaution they must take to save themselves from impending danger.

34. Legal Literacy Campaign

Every year NSS units of the college take the initiative to conduct classes to the newly enrolled students in co-operation with Kerala State Legal Service society. The District Judge nominates the faculties to conduct the classes. Classes of basic human rights, Civic Rights, Consumer protection, Ragging menace are given importance.

35. Street Play on Drug abuse (YUVA RAKSHA SAMUHA RAKSHA)

A special campaign against the use of tobacco, alcohol and drugs was initiated by the Dept. of Chemistry in association with the Excise Department, Govt. of Kerala to sensitize the students of the neighboring schools. The play was conducted in the campus of 10 neighboring schools.

36. Interaction with Successful Entrepreneurs

Successful Entrepreneurs are honored and interactive sessions with them have been arranged on different occasions under auspices of the ED Club of the college. Mr.K.R.Balan, MD, KR Group of companies in 2008, Mr. Hamza Anjumukkil , MD,Britco&Bridco, Kotakkal in 2009, Mr.Velayudhan, MD, Udaya steel furniture, Randathani,Malappuram, etc., On 25th January 2014 Entrepreneur Club conducted a programme “Meet the Successful Entrepreneur”. The MD of SABAN group was present and interacted with the students.

37. Forestry club

The Forestry Club functioning in the campus creates awareness among the students about the necessity of preserving the forest to maintain the biodiversity and promotes afforestation.

38. Chembuds

Department of Chemistry has started a novel venture named 'Chembuds' which intends to develop scientific and research aptitude among higher secondary students of the nearby districts. The programme was attended students from nearly 50 higher secondary schools. The programme included classes by experts, experimental sessions, project presentations etc. Motivated from these programmes students of about five schools consulted the department for investigatory projects in School Science Fair. Most of them have got good grades in the project presentations.

7.3. Best Practices

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

Best Practice-1

1. Title of the Practice

Solace to the Destitute

2. Goal

The aim of education is not only to achieve academic excellence but also to fulfil one's responsibility towards society. In today's self-centred and materialistic world, it is very difficult to cultivate the culture of compassion and consideration to others, especially to the destitute. The college considers it as its moral responsibility to provide some solace to the less privileged sections of the society.

3. The Context

The socio-economic scenario in this part of the state has turned scores of senior citizens and mentally retarded people destitutes and many young children are turned orphans. The neglect and loneliness meted out to them creates psychological problems in them. A sense of belonging is to be inculcated and an empathetic approach is needed for them. Such destitutes have taken abode in the Old-age Home, 'Pratheeksha Bhavan' (home of hope) and Juvenile Homes run by the state government. One such centre functions at Tavanur, located 12 kms away from the college, in which there are altogether 200 inmates. Realizing the problems of the destitutes, the college has taken up an initiative for their care, protection and well-being.

4. The Practice

Students of our college have taken the service to the aged and the neglected in as their responsibility. They have taken initiative to mitigate the problems of the aged, the mentally retarded and the orphans to some extent by providing timely care and solace to them in their neglected and miserable life. Students make frequent visit to these centers and spend a lot of time with the inmates, distribute sweets and involve them in games, sing songs and stage cultural activities which are very much enjoyed by the inmates. Each student donates minimum one rupee per day making it a considerable amount towards the end of the month. This amount along with the monthly contribution of the staff is used for serving a grand feast each month for the inmates. They also collect dress materials from their houses and supply them to the inmates of old age home and Pratheeksha Bhavan. On special occasions the college sponsors a day's food for the inmates. In order to motivate and entertain the inmates of the Juvenile Home, our students conduct various competitions like painting, essay writing and cultural programme for them. In addition to this our students have also donated items like fan, sports kit, etc. Students belonging to Compulsory Social Service (CSS), National Service Scheme (NSS), National Cadets Corps (NCC) and Citizen Science Forum are at the forefront of this philanthropic initiative.

5. Evidence of Success

The endeavor of the students and the staff to understand the problems of the aged and the mentally retarded and their initiative to provide some relief to such destitute has been acclaimed by the society and as a result several other institutions have come forward with a helping hand to the destitutes at Tavanur.

6. Problems Encountered and Resources Required

The inmates of the old age home and Pratheeksha Bhavan really cherish the intimacy showered on them occasionally by the students of the college and they earnestly desire to have such visits frequently. But the distance of 12 Kms between the destitute centre and the college and also the heavy syllabi of the students make it difficult for the students to make such frequent visits as desired by the inmates. The has started to initiate the alumni to get involved in this philanthropic activity and thereby fulfilling the inmates longing for support and sympathy.

Contact Details

Name of the Principal: Prof. K H Abdul Razzak

Name of the Institution: MES Keveeyam College, Valanchery

City: Valanchery, Malappuram

Pin Code: 676552

Accredited Status: B grade

Work Phone: 04942644380

Website: www.meskvmcollege.org

E-mail: principal@meskvmcollege.org

Best Practice-2

1. Title of the Practice

ICT Friendly Campus.

2. Goal

The main purpose behind this practice is to make the best possible use of Information and Communication Technology for improving teaching- learning, administrative purposes and to enhance library services.

3. The Context

New vistas are opening up in the wake of the ICT revolution. Our students should not be left in the dark in a fast changing world where information highway is getting updated every moment. Since the college is located in a rural backward area and most of the students are first-generation learners, the college has taken early initiative in introducing ICT in a big way. Uses of ICT facilities are also helpful to teachers in improving their teaching methods. It helps the administrative staff in managing the office work smoothly. The library services have become more systematized by the aid of ICT enabled facilities.

4. The Practice

- The college takes care to provide latest version of computers to all the departments. These are integrated into a local area network along with those in the Principal's office, library, administrative office etc.
- Broadband internet connectivity has been made available to all the terminals.
- A UGC-aided Network Resource Centre has all the required facilities like computers with internet connectivity, printer, fax, etc.
- Wi-Fi connectivity is provided in the campus.

- CCTV cameras are installed at strategic points to ensure better monitoring and surveillance of the campus and also to foster discipline.
- The PG Class rooms are made “SMART” by equipping with LCD projectors, interactive boards and internet connectivity.
- Students admitted to first semester were given orientation on the use of ICT enabled facilities of the institution. They are encouraged to present seminars in Power Point mode.
- College website has been updated with unique features like ‘Students Corner’ where the students can download study materials; previous question papers and interacts with the teachers through user login.
- “E-master”, the centralised public address system, has been installed in the college. Public address systems are installed in all classes and networked. Ringing of bell at scheduled times is fully automated. Any announcements can be made to the whole college or particular classes from a central console. A day in the college opens with a prayer in the morning and ends with national anthem, aired over the E-master system.
- Office automation has considerably increased the efficiency of the administrative activities and has made the procedures more transparent.
- The library is fully computerized, supported by user friendly software packages. The Central Access System helps the borrowers to trace the books easily.
- A work shop on ICT enabled office administration was organised by IQAC for the administrative staff.
- The college has also many of the latest gadgets like digital camera, OHP and LCD projector.

5. Evidence of Success

The optimum use of ICT facilities in the campus has drawn wide acclaim and it has resulted in better academic performance and discipline. Our college has become the forerunner of making optimum use of ICT facilities. Even the Vice-Chancellor of the affiliating university made a courtesy visit to the college to take stock of the functioning of the ICT facilities in the campus.

6. Problems Encountered and Resources Required

It has been very challenging to get the required financial assistance for the maintenance of these facilities. Lack of technical staff is another problem. When any of the ICT facilities are in trouble we have to hire the service of technicians from outside and it takes a lot of time and money to get it repaired. The college has plans to approach the Govt./affiliating university/UGC for sufficient funds to maintain and update the existing ICT facilities.

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E-mail: principal@meskvmcollege.org

PART III

EVALUATIVE REPORT OF DEPARTMENTS

DEPARTMENT OF CHEMISTRY

1. Name of the Department **CHEMISTRY**
2. Year of Establishment 1981
3. Names of Programs/Courses offered
 1. M Sc Polymer Chemistry
 2. B Sc Polymer Chemistry
4. Names of Interdisciplinary courses and the departments/units involved
 Department of Chemistry offer Open course in Environmental Chemistry for fifth semester students of other departments (Physics, Zoology, Commerce, Functional English)
5. Annual/ semester/choice based credit system (programme wise)
 1. M Sc Polymer Chemistry (Choice Based Credit Cum Semester System)
 2. B Sc Polymer Chemistry (Choice Based Credit Cum Semester System)
6. Participation of the department in the courses offered by other departments

Department	Subject Name	Semester
Zoology	Chemistry (Complimentary)	I, II, III & IV
Physics, Zoology, Commerce, English	Environmental Chemistry (Open Course)	V

- Fifth Semester B Sc Polymer Chemistry students are studying the open courses offered by other departments like Physics, Zoology, English, Physical Education and Commerce.
 - Students of our departments are taking part in the add-on courses offered by other departments.
7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.
NIL
 8. Details of courses/programmes discontinued (if any) with reasons : NIL

9. Number of Teaching posts: 9

Teaching Post	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	4	4
Assistant Professors	5	3

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Designation	Qualification	Experience	Specialization	Ph.D students guided
1.	Ms. MANJULA RAMAN	Associate Professor (HOD)	M Sc	31Yrs	Inorganic Chemistry	NIL
2.	Ms. P.A.RASIYABI	Associate Professor	M Sc	31Yrs	Inorganic Chemistry	NIL
3.	Ms.K.M.RUKKIYA	Associate Professor	M Sc	23Yrs	Theoretical Chemistry, Organic Chemistry	NIL
4.	Ms.PRETHY ALEX	Associate Professor (FIP)	M Sc, M Phil	19Yrs	Inorganic Chemistry	NIL
5.	Dr. C. RAJESH	Assistant Professor	M Sc, Ph. D	1Yr (12 Yrs in Higher Secondary)	Polymer Blends and Composites, Green Chemistry, Waste management	NIL

6.	Dr. JISHA V. S.	Assistant Professor	MSc, Ph. D	1 Yr (2 Yrs in FIP)	Synthetic Organic Chemistry, Biophysical chemistry	NIL
7.	Ms. MINSHIYA.P	Assistant Professor	M Sc	1 Yr	Polymer composites, Nano chemistry, Green Chemistry	NIL
8.	Ms. DIVIA .P	Guest Lecturer (FIP)	M.Sc, B. Ed	1 Yr	Photochemistry	NIL

11. List of senior visiting faculty NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Programme	Percentage of classes handled by temporary faculty
M. Sc Polymer Chemistry	0
B. Sc Polymer Chemistry	0

13. Student -Teacher Ratio (programme wise)

Programme	Student Teacher ratio
M. Sc. Polymer Chemistry	2: 1
B. Sc. Polymer Chemistry	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled
 Technical Staff Sanctioned: 3, Filled: 3

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Faculty
DSc/DLitt/PhD	2
MPhil/MSc	6

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Ongoing projects	No. of Faculty	Grants received
UGC Minor Research Project (Ongoing)	1	80,000
UGC Minor Research Project (Sanctioned)	1	1,50,000
UGC Minor Research Project (Applied)	2	
KSCSTE Major Research Project (Applied)	1	

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

2,30,000/-

18. Research Centre /facility recognized by the University

NIL

19. Publications:

Publication per faculty	2
Number of papers published in peer reviewed journals (national / international) by faculty and students	13
Number of publications listed in International Database	13
Monographs	0
Chapter in Books	0
Books Edited	0
Books with ISBN/ISSN numbers with details of publishers	0
Impact factor	Average above 2.0
h-index	Average above 10.0

Publications of Faculty members in Peer Reviewed International Journals

1. **Preethy Alex**, R. R. Jha. Metal(II) Complexes with microcyclic ligand. **Asian Journal of Chemical and Environmental Research** Vol 3 (1), 1-7 January 2010.
2. L. K. Mishra, Madhubala, RR Jha, **Preethy Alex**, Rakesh Roshan. Template Synthesis of Macrocyclic complexes. **Oriental Journal of Chemistry** 2012, Vol 28, No (4)page 1877-1881.
3. **Rajesh C.**, Manoj K. C., Purushothaman E., Unnikrishnan G., Dielectric properties of short nylon-6 fibre reinforced NBR composites, *Advances in Polymer Technology*, Published online, DOI10.1002/adv.20274Volume 32, Issue S1, pages E90–E102, March 2013.
4. Manoj, K.C.; Kumari, Prajitha; **Rajesh, C.**; Unnikrishnan, G., Transport of Aromatic Hydrocarbons through EPDM/NBR Blends, *Journal of Elastomers and Plastics*, Vol. 43 issue 1 January 2011. p. 65-84.

5. Manoj K.C., **Rajesh C.**, Prajitha K., Unnikrishnan E, Aromatic liquid transport through filled EPDM/NBR Blends, *Journal of Polymer Research* , 2010; 17,1-9.
6. **Rajesh C.**, Manoj K. C., Purushothaman E., Unnikrishnan G., Investigation on ageing characteristics of short Nylon-6 fibre reinforced NBR composites, *Progress in Plastics, Rubber and Recycling Technology* , 2008; 24(4), 239-254.
7. **Rajesh C.**, Manoj K.C., Purushothaman E., Unnikrishnan G., Thermal Characterisation of short Nylon-6 fibre reinforced NBR composites, *Polymers and Polymer Composites* , 2009, 17(3).
8. **Rajesh C.**, Unnikrishnan G., Purushothaman E., Investigation on interfacial adhesion in Nylon-6 fibre /NBR composites through restricted equilibrium swelling technique, *Composite Interfaces*, 2008; 15(5), 527-548.
9. **Rajesh C.**, Unnikrishnan G., Purushothaman E., Thomas S. Cure characteristics and mechanical properties of short nylon fibre reinforced nitrile rubber composites, *J Appl Polym Sci.* 2004; 92: 1023-1030.
10. **V. S. Jisha**, K. T. Arun, M. Hariharan and D. Ramaiah, **2006**, Site-Selective Binding and Dual Mode Recognition of Serum Albumin by a Squaraine Dye, *J. Am. Chem. Soc.* 128, 6024-6025.
11. **V. S. Jisha**, A. J. Thomas and D. Ramaiah, **2009**, Novel Ratiometric Fluorescence Sensor for Cupric Ions through Inhibition of Intramolecular Energy Transfer, *J. Org. Chem.* 74, 6667–6673.
12. **V. S. Jisha**, K. T. Arun, M. Hariharan and D. Ramaiah, **2010**, Site-Selective Interactions: Squaraine Dye-Serum Albumin Complex with Enhanced Fluorescence and Triplet Yields, *J. Phys. Chem. B.* 114, 5912–5919
13. Divya Pankajakshan, Lizymol P, **Minshiya Palakkal**, Kalliyana Krishnan, Lissy K. Krishnan, 2008, Development of a Fibrin Composite- Coated Poly(ϵ -Caprolactone) Scaffold for Potential Vascular Tissue Engineering Applications, *Journal of Biomedical Materials Research Part B: Applied Biomaterials*, 87B, 570-579.
20. Areas of consultancy and income generated:
 Department is offering consultancy services to plastic and rubber manufacturing units. No income generated through consultancy.
21. Faculty as members in
 - a) National committees : NIL
 - b) International Committees : NIL

c) Editorial Boards : NIL

22 Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :

Undergraduate : 100

Post Graduate: 20

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

Undergraduate : 0

Post Graduate: 80

23. Awards / Recognitions received by faculty and students

- Dr. V S Jisha (Department of Chemistry) was the DST-DAAD Fellow in Institute of Pharmacy, University of Mainz, Germany
- Research articles based on the MSc project works of two of the students of the Departments of Chemistry have been accepted for presentation in International conferences, one in China and other in Bhubaneswar, India.
- Mr. Shihabudeen , student of our department has been selected to National Senior Baseball team.
- Mr. Shihabudden of our department represented Calicut university softball team and participated All India Interuniversity Softball championship held at Punjab University in 2011-12
- Mr. Shihabudeen represented senior Kerala base ball team, and participated senior national baseball championship held at Madhya Pradesh

a) List of Students who have qualified NET/JRF

SI No	Name	Qualification	Year
1	Baiju K.	JRF	2010-11
2	Raneesh Konnola	JRF	2010-11
3	Bindu K.	JRF	2011-12

4	Sumina P.	JRF	2011-12
5	Sajna V. P.	NET&GATE	2011-12
6.	Soufeena K.	NET	2012-13
7.	Jafseer K.	NET	2012-13
8	Mohammed Riyas N.	GATE	2009-10

b) List of Rank Holders from the Department

SI No:	Name	Rank	Course	Batch
1	Haseena K. P.	I	M Sc	2007-2008
2	Kripa	II	M Sc	2007-2008
3	Bindhu V. U.	III	M Sc	2007-2008
4	Ranjini E. M.	II	B Sc	2007-2008
5	Jaseena.M	I	M Sc	2008-2009
6	Sabitha P.V.	II	M Sc	2008-2009
7	Shareefa K.	III	M Sc	2008-2009
8	Sajna K.	II	M Sc	2009-2010
9	Ranjini E. M.	III	M Sc	2009-2010
10	Jini P.	I	B. Sc	2009-2010
11	Soufeena P.P.	II	B Sc	2009-2010
12	Sabna E.	III	B Sc	2009-2010
13	Sabitha U.	I	M Sc	2010-2011

14	Reshmi K.	II	M Sc	2010-2011
15	Faseela M.	III	M Sc	2010-2011

24. List of eminent academicians and scientists/visitors to the department

Year	Name of the Academician	Event connected with the visit
2013-14	Prof. K. S. Janardhanan, Formerly Head, Department of Chemistry, NSS College Nenmara	Chembuds- 2013
	Dr. Vijayakumar (Scientist & Ramanujan Fellow, NIIST Thiruvananthapuram)	National Seminar on Recent Advances in Organic Chemistry
	Dr. K.V. Ratheesh, Post doctoral fellow, Endhoven University, Netherlands	National Seminar on Recent Advances in Organic Chemistry
	Dr. Sadiquali C. T., Post doc fellow. Stellenhosh university South Africa	Association Inauguration
2012-13	Dr. Binitha N. Assistant Professor, SNGS Govt College, Pattambi	Association Inauguration
	Dr. Ramachandran Thekkedath, Vice Chancellor, Cochin University of Science and Technology, Cochin	National Seminar on Frontier areas of Chemistry
	Dr. S. Vasudevan, Professor, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore	National Seminar on Frontier areas of Chemistry

	Dr. S. Ramakrishnan, Professor, Dept. of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore, Bangalore	National Seminar on Frontier areas of Chemistry
	Dr. Kuruvilla Joseph, Head, Department Of Chemistry, Indian Institute of Space Science and Technology, Thiruvananthapuram	National Seminar on Frontier areas of Chemistry
	Dr. Raveendran P. Assistant professor, Department of Chemistry, University Of Calicut	National Seminar on Frontier areas of Chemistry
2011-12	Dr. Vinayakan R., Assistant professor of Nenmara NSS college, Palakkad	Seminar On Nano Science
2010-11	Dr. Sugunan, Professor, Department of Applied Chemistry, CUSAT Cochin.	A One Day Seminar On Statistical Mechanics
2009-10	Dr. V. P. Balagangadharan, Senior Scientist& Head, Transfer technology& Documentation group, Vikram Sarabhai Space Center, Trivandrum	National seminar on 'Current Trends in Chemistry
	Prof. P Mohammed Shafi, Head of the department of chemistry, University of Calicut	National seminar on 'Current Trends in Chemistry
	Prof. S. Sugunan, Head of the department, Applied chemistry, Cochin University	National seminar on 'Current Trends in Chemistry
	Dr. Prasad Edamana (Assistant professor, Department of chemistry, IIT Madras)	National seminar on 'Current Trends in Chemistry

	Prof. Aneesh M. H. Associate Professor, PSMO College, Thitiragadi	National seminar on 'Current Trends in Chemistry
	Dr. Seema A. Senior Scientist, CIEMET, Trissur	National seminar on 'Current Trends in Chemistry

27. Diversity of Student

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
M.Sc. Polymer Chemistry	100	0	0
B.Sc. Polymer Chemistry	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

SET/NET : 11/7

JRF : 4

29. Student progression

Student progression	Against % enrolled
UG to PG	72
PG to M.Phil.	4.34
PG to Ph.D.	17.39
Ph.D. to Post-Doctoral	NIL
Employed	25
Campus selection	
Other than campus recruitment	
Entrepreneurship/Self-employment	5

30. Details of Infrastructural facilities

a) Library

- No. of Book titles in Chemistry: 1338
- No. of Journal titles in Chemistry: 5

b) Internet facilities for Staff & Students:

The Department has three internet connected desktop computers. The PG class rooms are digitalized with LCD projector and internet. Students can access internet from library, ICT lab or from department. Wi-Fi connectivity.

c) Class rooms with ICT facility:

Two PG class rooms are fully computerized. It has smart board, LCD projector and internet facility.

d) Laboratories:

The following are the major equipments in the Chemistry Laboratory

- Electronic balance
- Magnetic Stirrer
- Hot Air Oven
- Electric Centrifuge machine
- Electric Stirrer
- Digital pH meter
- Colorimeter
- Deioniser
- Pressure pump
- Dimmerstat
- Spectrophotometer

31. Number of students receiving financial assistance from College, University, Government or other agencies

Year	SC Scholarship		OBC Scholarship		Other Scholarships	
	UG	PG	UG	PG	UG	PG
2009-10	16	1	45	15	--	--

2010-11	19	2	53	12	1	--
2011-12	16	1	43	8	1	--
2012-13	19	1	38	8	--	1
2013-14	13	2	38	22	--	1

32. Details on student enrichment programs (special lectures/workshops/seminar) with external experts:

Event	No.
National seminars	3
Regional Work shop	1
Invited lectures/seminars	20

33. Teaching methods adopted to improve student learning:

- Invited lectures
- Field visit
- Lecture method
- Power point presentations
- Seminars

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Students and teachers of the Department have actively participated in various extension activities organized by National Service Scheme(NSS), National Cadet Corps (NCC), Women empowerment cell, Citizen science forum, Red Ribbon Club etc.

- Department of Chemistry has organized a massive campaign against narcotics in association with the Department of Excise, Govt. of Kerala. The campaign named 'Yuvaraksha: Samoohasuraksha' (*Meaning: Save youth to save society*) received widespread attention in the District.

- Polychem under the auspice of Department of Chemistry has organized several extension activities during the last four years. Some of these are testing the quality of rubber latex for local rubber farmers, demonstration of manufacture good quality and low cost soap for kudumpasree unit of Tirur thaluk. Demonstration of easy methods for detecting food adulteration for local women, in association with the zoology department of the college we are doing analysis of water for the local people (free of cost).
- Department of Chemistry has started a novel venture named 'Chembuds' which intends to develop scientific and research aptitude among higher secondary students of the nearby districts. The programme was attended students from nearly 50 higher secondary schools. The programme included classes by experts, experimental sessions, project presentations etc. Motivated from these programmes students of about five schools consulted the department for investigatory projects in School Science Fair. Most of them have got good grades in the project presentations.

35. SWOC analysis of the department and Future plans:

Strengths

- Good Results of B Sc and M Sc. Courses.
- Highly motivated students both in academic and social service activities
- Highly committed and qualified Faculties
- Providing guidance for competitive and entrance exams.
- Smart class rooms with internet facility for Post Graduate Students
- Good collection of library books.

Weakness

- Lack of modern equipments in the laboratory
- Lack of Research centre
- Less number of students qualifying National Eligibility Test/JRF

Opportunities

- Being the lone college under Calicut University offering MSc Programme in Polymer Chemistry, we can develop ourselves as a major consultant for different polymer based industries in the district.
- Availability of well qualified faculty to enhance research activities

- To affiliate the department as a research centre under Calicut University and get involved in active research work.

Challenges

- Drop outs of girls students from UG programmes
- Diminishing academic standards of students
- Lack of interest of girl students to pursue higher education due to marriage
- Students belonging to educationally marginalised families
- Lack of awareness about the nonconventional programme (UG and PG)

Future Plans

- To speed up the process for getting affiliation as a research centre
- To continue coaching for NET for students of our department.
- To encourage publication of project works of MSc students in International/National Journals.

DEPARTMENT OF COMMERCE

1. Name of the Department COMMERCE
2. Year of Establishment 1981
3. Names of Programs/Courses offered
 - a) B. Com Financial Management
 - b) M. Com Financial Management
4. Names of Interdisciplinary courses and the departments/units involved
 Department of Commerce offer Open course in Human Resource management. Fifth semester students of other departments (Physics, Zoology, Chemistry, Functional English) are taking part in the course.
5. Annual/ semester/choice based credit system (programme wise)
 - a) B.Com (choice based credit and semester system)
 - b) M.Com (choice based credit and semester system)
6. Participation of the department in the courses offered by other departments
 - Students from various departments (chemistry, Physics, Zoology, Physical Education and English) participate in the open course (Human Resource management) offered by the department
 - Students of our departments are taking part in the add-on courses offered by other departments.
7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.
 NIL
8. Details of courses/programmes discontinued (if any) with reasons
 NIL
9. Number of Teaching posts 6

Teaching Post	Sanctioned	Filled
Professors		
Associate Professors	3	3
Assistant Professors	1	1
Guest Lecturer	2	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	Ph.D. Students guided
Mr. C. K. HASSAN	M.Com	Associate Professor (Head of the Department)	Financial Management	29	Nil
DR. MOIDEENKUTTY C.H. (RETIRED ON 31-03-2014)	M.Com, PhD	Associate Professor	Marketing, Financial management	28	Nil
Mr. K. H. ABUDLRAZZAK	M.Com	Associate Professor	Financial Management, Accounting	26	Nil
Mr. NISAB.T	M.Com, B.Ed, M.Phil	Assistant Professor	Finance Research Methodology	1	Nil
Ms. JASEELA. P.T	M.Com, B.Ed	Guest Lecturer	Finance,	1	Nil
Ms. PRIMA.P	M.Com, B.Ed	Guest Lecturer	Finance, Marketing	1	Nil

11. List of senior visiting faculty NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: NIL

13 Student -Teacher Ratio (programme wise)

Programme	Student Teacher ratio
B.Com	46: 1
M.Com	5:1

14. Number of academic support staff (technical) and administrative staff;
Sanctioned and filled: NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Faculty
DSc/DLitt/PhD	1
MPhil/MCom	5

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Ongoing projects	No. of Faculty	Grants received
UGC Minor Research Project (Sanctioned) Mr. Nisab T.	1	50,000

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

UGC: 85,000

18. Research Centre /facility recognized by the University
NIL

19. Publications: NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

- a) National committees NIL
- b) International Committees NIL
- c) Editorial Boards NIL

22 Student projects 252

Undergraduate : 00

Post Graduate :

23. Awards / Recognitions received by faculty and students

List of students who have qualified NET/JRF

Sl.No	Name	Qualification
1.	Ms. Jaseela PT.	NET,SET
2.	Ms. Divyam.	NET With JRF
3.	Ms. Prabitha M. E.	NET
4.	Ms. Subitha KV	NET
5.	Mr. Ratheesh balakrishnan	NET
6.	Mr. Unnikrishnan	NET
7.	Mr. Danish raghavan	NET
8.	Mr. Anil	NET
9.	Mr. Fayiza	NET

24. List of eminent academicians and scientists / visitors to the department

Year	Name of the Academician	Event connected with the visit
2013-14	Prof. K. Raveendra Nath, Pro-Vice Chancellor, University of Calicut	Two day National seminar
	Dr. Jaychandran Pillai DCMS University of Calicut	Two day National seminar
	V.T .Balram, Member of Legislative Assembly Kerala	Two day National seminar
	Mr. Ummar Koya District Tourism Promotion Council(DTPC) Malappuram, Kerala Government	Two day National seminar
	Noushad Ali (MD Saban Group)	ED Club

2012-13	Mr.Hamza Anjumukkil (M.D. Bitco & Bridco, Kottakal)	Commerce Association Inauguration
	Dr. K.T Jaleel MLA	Career orientation
2011-12	Babu Kottayil (M.D Nakshathra Group)	ED Club
2010-11	Dr.Sabastian(Community Medicine MES Medical College Perinthalmanna)	Health Education
2009-10	Mr. K.R Balan (M.D.KR Group of Companies)	ED Club
	Mr.Rajagopal (AssistantIndustrial officer Dept. of Industries)	ED Club
2008-09	Dr.Anwar Jahan Subari (VC Calicut University)	Two day National seminar: Marketing
	Dr.P.Mohanan(HOD DCMS Calicut University)	Two day National seminar: Marketing
	Mr.M.Saleem (G.M .DIC Malappuram)	Two day National seminar: Marketing

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National: 4
- b) International: Nil
- c)

Topic of Seminar	Date	National/International	Source of Funding
Recent trends in marketing after globalisation	21& 22 August 2007	National	UGC
Micro Finance an Indian Advantage	17&18 Nov 2009	National	UGC

Potentialities of Eco-tourism of Malabar region in Kerala	August 20 th & 21 st August 2013	National	UGC
Ecotourism in Kerala Challenges and Opportunities	8 th & 9 th January 2014	National	UGC

26 Student profile programme/course wise:

B.Com

Year	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2008	742	60	32	28	80
2009	766	60	30	30	76.2
2010	922	60	31	29	69
2011	1097	60	27	33	96
2012	1213	60	25	35	
2013	Online	60	31	29	

M.Com

Year	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2013	70	20	4	16	NA

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Com	100	NIL	NIL
M.Com	100	NIL	NIL

28 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NET/SET	JRF
7	2

29. Student progression

Student progression	Against % enrolled
UG to PG	80
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	
Campus selection	2%
Other than campus recruitment	62 %
Entrepreneurship/Self-employment	18 %

Details of Infrastructural facilities

- 30.
- i) Departmental Library
 - a) Reference Library:130
 - b) Book Bank : 83
 - c) Reading Room: Commerce articles, Magazine, Job Oriented Periodicals
 - ii) Internet facilities for Staff
 - a) Well furnished staff rooms
 - b) Retiring room
 - c) Toilet facilities
 - iii) Class rooms with ICT facility
31. Number of students receiving financial assistance from College, University, Government or other agencies

Year	SC Scholarship	OBC Scholarship	Other Scholarships
	UG	UG	UG
2009-10	33	61	5
2010-11	33	64	11
2011-12	32	58	11
2012-13	32	68	8
2013-14	34	61	9

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts
- 4 National seminars, yearly debate on national and state Budgets and many invited talks, on commerce and management subjects have been organized.
33. Teaching methods adopted to improve student learning
- LCD projector, black board (traditional methods, ICT enabled methods etc.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- All the students are either the members of NSS or NCC
 - All students in the department should undertake compulsory social service as part of completion of degree course

35. SWOT analysis of the department and Future plans

Strength

- Good infrastructure facilities
- Efficient faculty members
- Good discipline
- Good academic atmosphere
- ICT enabled class rooms
- Department reading room
- Department book bank
- Department reference library
- Well organized student association
- Alumni

Weaknesses

- Non availability of permission from the University to maintain Research Centre
- Lack of facility provided to the students to gain education through inter university collaboration

Future Plans

- To create the department of commerce as a research centre
- Incorporate business incubation centers with the support of state government departments
- Introduce new employment generating educational programmes in the department
- Introduce a civil service, NET/JRF training centre in the department

DEPARTMENT OF COMPUTER APPLICATION

1. Name of the Department COMPUTER APPLICATION
2. Year of Establishment 1994
3. Names of Programs/Courses offered Computer Applications
4. Names of Interdisciplinary courses and the departments/units involved NIL
5. Annual/ semester/choice based credit system (programme wise) (Choice Based Semester System) Credit Cum
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 (if any) with reasons NIL
9. Number of Teaching posts : 3

Teaching Post	Sanctioned	Filled
Professors		
Associate Professors	0	0
Assistant Professors	1	0
Guest Lecturer	2	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sl No.	Name	Designation	Qualification	Specialization	No. of Years of Experience	No. of Ph.D. Students
1	Mr. Hisham Pasha	Guest Lecturer	MCA	NIL	3Yrs	NIL

11. List of senior visiting faculty NIL

- 12 Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

Programme	Percentage of classes handled by temporary faculty
Bachelor of Computer Applications	100

- 13 Student -Teacher Ratio (BCA) 4:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Administrative Staff

Sanctioned: 1

Filled: 1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Faculty
MCA	1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received NIL
18. Research Centre /facility recognized by the University NIL
19. Publications: NIL
20. Areas of consultancy and income generated: NIL
21. Faculty as members in
- a) National committees NIL
 - b) International Committees NIL
 - c) Editorial Boards NIL
- 22 Student projects NIL

23. Awards / Recognitions received by faculty and students

List of students who have qualified NET/JRF

NIL

24. List of eminent academicians and scientists / visitors to the department

NIL

25. Seminars/Conferences/Workshops organized & the source of funding

National: NIL

International: NIL

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2013	27	15	9	6	Result Waiting

*M = Male *F = Female

27. Diversity of Students

NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NIL

29. Student progression NIL

30. Details of Infrastructural facilities

a) Library

b) Internet facilities for Staff & Students: Well furnished computer lab

38 computers with internet facilities

c) Class rooms with ICT facility – 1

d) Laboratories - 1

31. Number of students receiving financial NIL

assistance from college, university,
government or other agencies

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

NIL

33. Teaching methods adopted to improve student learning

- Lecture method
- Power point presentations
- Seminars
- Video presentation from great scholars

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Teachers and students of BCA Department visited Juvenile and Child rescue home Thavanur on 22 may 2014. We conducted interactive programmes, games etc for students. Provide lunch and sports material for the students.

35. SWOC analysis of the department and Future plans

Strengths

- Highly motivated students both in academic and social service activities
- Highly qualified Faculty
- Providing guidance for competitive and entrance exams.
- We have lab with 37 Systems with Internet facility
- We have audio visual facilitated smart class with seat capacity of 60
- We provide study materials and old question papers

Weakness

- Lack of Library books
- Lack of licensed software
- Lack of NET qualified Staff

Opportunities

- We can develop ourselves as a major consultants for IT firms as Software Engineers, Software Testers, Network Administrators, System Administrators, etc

Challenges

- Diminishing academic standards of students

- To motivate the girl students to pursue higher education.

Future Plans

- To speed up the process for getting a Library for department.
- To start the process for getting new PG courses under this department.
- To encourage making of individual projects more than academic project

DEPARTMENT OF ENGLISH

1. Name of the Department **ENGLISH**
2. Year of Establishment 1981
3. Names of Programs/Courses offered 1.M.A English Literature
2.B.A Functional English
4. Names of Interdisciplinary courses and the departments/units involved

Department of English offer Open course in Communicative English for the fifth semester students of other departments (Physics, Zoology, Commerce and Chemistry).

- 5 Annual/ semester/choice based credit system (programme wise)
 1. M.A English Language and Literature (Choice Based Credit cum Semester System)
 2. BA Functional English (Choice Based Credit cum Semester System)
6. Participation of the department in the courses offered by other departments

Department	Subject Name	Semester
Physics, Zoology, Commerce, Chemistry	Communicative English (Open Course)	V

- Fifth Semester B.A. Students are studying the open courses offered by other departments like Physics, Zoology, Polymer Chemistry, Physical Education and Commerce.
 - Students of our departments are taking part in the add-on courses offered by other departments.
7. Courses in collaboration with other universities, industries, foreign institutions, etc
NIL
 - 8 Details of courses/programmes discontinued (if any) with reasons
NIL

9. Number of Teaching posts

Teaching Post	Sanctioned	Filled
Professors	0	0
Associate Professors	1	1
Assistant Professors	3	3

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sl No	Name	Designation	Qualification	Experience	Specialization	No. of Ph.D. guided
1	Mr. K. J. THOMAS	Associate Professor (Head of the Department)	M A	28 Yrs	English Grammar and Phonetics	NIL
2	Dr. SAJID A. LATHEEF	Assistant Professor	M A, B.Ed, MPhil, Ph D	2Yrs	British and American Literature	NIL
3	Ms. ATHIRA RADHAKRISHNAN	Assistant Professor	M A	1Yr	Linguistics	NIL
4	Ms. SIVYA VASUDEVAN K.K	Assistant Professor	M A	1Yr	Indian English Literature	NIL
5	Mr. ANAND.P	Guest Lecturer	MA, NET	1 Yr		NIL
6	Ms. SAI KRISHNA	Guest Lecturer	MA	1 Yr		NIL

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered (programme wise) by temporary faculty

Programme	Percentage of classes handled by temporary faculty
M A English	100
B A Functional English	0

13. Student -Teacher Ratio (programme wise)

Programme	Student Teacher ratio
M.A. English	3:1
B.A. Functional English	30:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Faculty
PG, MPhil and PhD	1
PG	3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants receive

Ongoing projects	No. of Faculty	Grants received
UGC Minor Research Project (Sanctioned)	1	50,000

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

50,000

18. Research Centre /facility recognized by the University: NIL

19. Publications:

Publication per faculty	NIL
Number of papers published in peer reviewed journals(national/international) by faculty and students	NIL
Number of publications listed in International Databases	
Monographs	NIL
Chapter in books	1
Books with ISBN/ISSN numbers	9
Citation index	NIL
SNIP	NIL
SJR	NIL
Impact factor	NIL
h-index	NIL

Chapter in Books

Latheef, Sajid A. "Screening The Text: Palerimanikyam: Oru Paathirakolapaathakathinte Kadha". *English Update* (2011) Print.

Books with ISBN/ISSN numbers with details of publishers

Latheef, Sajid A. *The Cat That Would Not Drink Milk*. Kottayam: DC Books, 2009. Print.

Latheef, Sajid A. *How Birbal Caught the Thief & The Diamond Neck Lace*. Kottayam: DC Books, 2009. Print.

Latheef, Sajid A. *The Old Woman's Bag & Birbal and The Palmist*. Kottayam: DC Books, 2009. Print.

Latheef, Sajid A. *The Greatest Power of All*. Kottayam: DC Books, 2008. Print.

Latheef, Sajid A. *The Bad Omen*. Kottayam: DC Books, 2010. Print.

Latheef, Sajid A. *Fooled You !*. Kottayam: DC Books, 2007. Print.

Latheef, Sajid A. *How The Gatekeepers Were Trapped*. Kottayam: DC Books, 2009. Print.

Latheef, Sajid A. *Greed Is No Good*. Kottayam: DC Books, 2007. Print.

Rose, Maria. *Alfred Hitchcock Avatharippikkunnu*. Kozhikode: Olive Publications Pvt Ltd, 2010. Print.

20. Areas of consultancy and income generated:

Department is offering consultancy services to nearby schools and colleges

21. Faculty as members in

a) National committees : NIL

b) International Committees : NIL

c) Editorial Boards : NIL

22. Student projects

Percentage of students who have done in-house projects including inter departmental/programme

Undergraduate : 100

Post Graduate: Recently started programme, yet to appear for the University Exam
Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies

Undergraduate : 0

Post Graduate : 0

23. Awards / Recognitions received by faculty and students

- Dr. Sajid A Latheef was awarded with UGC Junior Research Fellowship.
- Mr. Vajid Rahman, student of our department has been selected to Youth state athletic team and participated the national championship in long jump 2010-2011
- Mr. Sarathlal of our department won first prize in high jump at the University level competition 2011-12.

- Mr. Jithesh of the department participated in the cultural demonstration programme in kalaripayattu held at Delhi as a part of Commonwealth Games.
- Mr. Jithesh of the department won two gold medal in University kalaripayattu championship in the year 2012-2013
- Mr. Mohammed Shabeer of the department won silver medal in university athletic championship in hammer throw in 2013-2014

List of students who have qualified NET/JRF

Sl .No	Name	Qualification	Year
1	K Mohamed Shafeeque	JRF	2008-09
2	Ragini K S	JRF	2009-10
3	Mohammed Shafeeq	NET	2010-11
4	Nusrath Muhammedkutty	NET	2010-11
5	Sabina K Musthafa	NET	2010-11
6	Anand P	NET	2011-12

List of Rank holders from the Department

Sl. No:	Name	Rank	Course	Batch
1	K Mohamed Shafeeque	I	BA	2004-05
2	Sabina K Musthafa	III	BA	2005-06
3	Ragini K S	I	BA	2007-08
4	Nusrath Muhammedkutty	III	BA	2008-09

24 List of eminent academicians and scientists/visitors to the department

Year	Name of the Academician	Event connected with the visit
2009-10	Dr. Sreekumar, Dept of English, Govt. College, Pattambi	Invited talk on New Media
	Mr. Subhash, Bureau Chief, Kairali, Calicut	Inauguration of Journalism Club.
	Mr. Saji, Renowned Telefilm maker	Telefilm workshop
	Ms. Girija Thadyil, HOD, Dept of English. Sri Vyasa College, Vadakkancheri	Association Inaguration
2010-11	Prof. Maya Harshan, Dept of English, MES College, Mampad	Presentation on Communication Techniques
	Ms. Majeed Moothedan, Resorce Person, Centre for information and guidance institute (CIGI)	Personality Development
	Mr. Muhammed Musthafa, Short Film Director	‘The Changing Perspective of the Indian Cinema’
	Ms. Ragini, Assistant Professor , Malayalam University, Tirur	The depiction of women in media
2011-12	Dr. Yaseen Ashraf, Retired Professor in English, Farook College, Calicut. Associate Editor “Madhyamam Daily”.	National Seminar on “Media: Are They Slowly Moving Towards Sensationalization?”
	Dr. Sebastain Paul , Former Mp, Media Critic and cultural activist	National Seminar on “Media: Are They Slowly Moving Towards Sensationalization?”
	Mr. Gauri Dasan Nair C., Chief correspondent Hindu	National Seminar on “Media: Are They Slowly Moving Towards Sensationalization?”

	Mr. M. P. Prasanth , Bureau Chief, Deccan Chronicle chennai	National Seminar on “Media: Are They Slowly Moving Towards Sensationalization?”
	Dr. Muhammedali N, Head of Department, Dept. of Journalism and Mass Communication, University of Calicut.	National Seminar on “Media: Are They Slowly Moving Towards Sensationalization?”
	Mr. A Sahadevan, Associate editor, INDIA vision tv, Kochi	National Seminar on “Media: Are They Slowly Moving Towards Sensationalization?”
	Mr. Abdul Latheef Naha, Malappuran Chief, chief The Indu	National Seminar on “Media: Are They Slowly Moving Towards Sensationalization?”
	Jacob Abraham, Copy Writer, The Mathrubhumi, Trivandrum.	National Seminar on “Media: Are They Slowly Moving Towards Sensationalization?”
	Veena G Nair, Research Scholar, Institute of English, Thiuruvananthapuram.	National Seminar on “Media: Are They Slowly Moving Towards Sensationalization?”
2012- 2013	Prof, N. M. Varghese, Councillor, Kerala Government Agencies, Calicut	Time Management
2013- 2014	Mohammed Zakaria, Short Film Director	“Take One “ a Class on short film making

25. Seminars/ Conferences/Workshops organized & the source of funding (Last five years)

International : 0

National : 1

Regional seminars/workshops/invited lectures : 2

Year	Topic of Seminar	National/International	Source of Funding
2010-2011	Film show- Charlie Chaplin films were screened.	Department	Department
2011-12	Seminar on “Media: Are They Slow Moving Towards Sensationalization?”	National	UGC
	Workshop on “ Role play and communicative competence”	Department	Department
	Development of Drama: A documentary	Department	Department
	Charles Dickens on screen-Film Show	Department	Department
	H.G. Wells On cinema	Department	Department
2012-13	Workshop on “Media”	Regional	Manorama
	Classic literature on screen: A one day film fest on Mark Twain	Department	Department
	Film show-“A Journey to the Mysterious Island”	Department	Department
	Gothic on screen	Department	Department
	Contemporary Cinema	Department	Department
	Eco-aesthetics-A day with reptiles	Department	Department
2013-14	Lecture on “Journalism and Media”.	Regional	Department.
	Adapted film classics	Department	Department
	Absurd drama on screen	Department	Department
	Glossary on Media Studies	Department	Department
	In Memoriam: Vaikom Mohammed Basheer	Department	Department
	An introduction to Theatre Studies	Department	Department
	Vista of colours: A exhibition of Art	Department	Department

26 Student profile programme/course wise:

(a) BA Functional English

Year	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2007	520	36	12	24	95
2008	500	38	12	26	97
2009	713	40	11	29	97
2010	707	40	4	36	83
2011	782	40	9	31	
2012	592	40	5	35	
2013	Online	34	5	29	

(b) M. A English Literature

Year	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2013	6	6	1	5	

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
M. A English	100	0	0
B. A Functional English	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

SET/NET : 4

JRF : 2

29. Student progression

UG to PG	80
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	5
• Other than campus recruitment	5
Entrepreneurship/Self-employment	10

30. Details of Infrastructural facilities

Library-Yes

Internet facilities for Staff & Students

The Department has a special smart class room facility which is digitalized with LCD projector and internet. Students can access internet from library, ICT lab or from the department. Wi-Fi connectivity is provided.

Language Lab

The department also has a language lab facility for the proper enhancement of the students.

31. Number of students receiving financial assistance from college, university, Government or other agencies

Year	SC Scholarship		OBC Scholarship		Other Scholarships	
	UG	PG	UG	PG	UG	PG
2009-10	24	-	51	-	4	-
2010-11	21	-	49	-	5	-
2011-12	23	-	41	-	9	-
2012-13	23	-	36	-	7	-
2013-14	26	-	40	-	7	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Event	No.
National seminars	1
Regional Work shop	2
Invited lectures/seminars	3

33. Teaching methods adopted to improve student learning

- Lecture method
- Power point presentations
- Seminars
- Invited Lectures
- Field visit

34 Participation in Institutional Social Responsibility (ISR) and Extension activities

Students and teachers of the Department have actively participated in various extension activities organized by National Service Scheme (NSS), National Cadet Corps (NCC), Women empowerment cell, Citizen Science forum, Red Ribbon Club etc.

“Vagartha” under the auspice of Department of English has organized several extension activities during the last four years. Some of these are challenging the students to communicate on various topics and also participating students in debates and other such activities to speak out efficiently on different topics.

The “Kanma Infotainment” club, under the Dept. of English provides a thorough knowledge about various authors and different classics.

‘Cheeni FM’ was launched under the Department

DEPARTMENT OF PHYSICS

1. Name of the Department **PHYSICS**
2. Year of Establishment 1981
3. Names of Programs/Courses offered B. Sc Physics
4. Names of Interdisciplinary courses and the departments/units involved

Department of Physics offers Open course in Elementary Medical Physics. Fifth semester students of other departments (Chemistry, Zoology, Commerce, Functional English) can opt for the course.

- 5 Annual/ semester/choice based credit system (programme wise)

Choice Based Credit Semester System – B Sc (Physics)

6. Participation of the department in the courses offered by other departments

Department	Subject Name	Semester
Chemistry	Physics (Complimentary)	I, II, III, IV
Chemistry, Zoology, Commerce, English	Elementary Medical Physics (Open Course)	V

- Fifth Semester B Sc Physics students participate in the open courses offered by other departments like Chemistry, Zoology, English, Physical Education and Commerce.

7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.

Department of Physics has established collaboration with Pondicherry University and University of Calicut

8. Details of courses/programmes discontinued (if any) with reasons

NIL

9. Number of Teaching posts

Teaching Post	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	3	3
Assistant Professors	1	NIL

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. students guided
DR. M. P. UNNIKRISHNAN	M. Sc, Ph D	Associate Professor	Nuclear Physics	29	Nil
MR. A. M. P. HAMZA	M .Sc	Associate Professor	Electronics	25	Nil
DR. U. SAILAJA	M .Sc, M Phil, Ph D	Associate Professor	Material Science(Pharmaceutical Science)	20	Nil
MS. JYOTHI P.	M. Sc., B Ed	Guest lecturer	Electronics	-	Nil

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

Programme	Percentage of classes handled by temporary faculty
BSc Physics	25%

13. Student -Teacher Ratio (programme wise)

27:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Technical Staff Sanctioned: 1 Filled :1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Faculty
DSc/DLitt/PhD	2
MPhil/ MSc	2

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received NIL

18. Research Centre /facility recognized by the University NIL

19. Publication per faculty

Publication per faculty	2.5
Number of papers published in peer reviewed journals(national/international) by faculty and students	5
Number of publications listed in International Databases	5
Monographs	Nil
Chapter in books	Nil
Books with ISBN/ISSN numbers	Nil
Impact factor	Two papers have 1.448, Another has 3.563 (This paper has 3 citations.)

Publications of Faculty members in Peer Reviewed International Journals

1. P. Latha, A.M. Vinodkumar, K.M. Varier, B.R.S. Babu, Antony Joseph, K.K. Abdullah and **M. P. Unnikrishnan**, Effective atomic numbers for gamma ray interaction at 59.54 keV in heterogeneous layers of materials

- using ^{241}Am gamma rays, **Radiation Physics and Chemistry** Vol **81** (2012) 1817–1822
2. P Latha, K K Abdullah , **M P Unnikrishnan** , K M Varier and B R S Babu, Differential scattering cross sections for elements with $13 \leq Z \leq 50$ using 59.54 keV gamma rays, **Physica Scripta** Vol **85** (2012) 035303
 3. **U. Sailaja** Shahin Thayyil, M., Krishna Kumar, N.S., Govindaraj, G., Molecular Dynamics in liquid and glassy states of Non-Steroidal Anti-Inflammatory Drug: Ketoprofen, **Eur. J. Pharm. Sci.** Vol **49** (2013) 333-340
 4. **Sailaja Urpayil**, M. Shahin Thayyil, and Spectroscopic Investigations of Amorphous Captopril, **IOSR Journal of Pharmacy**, Vol **2** (2012) 479-484
 5. **Sailaja Urpayil**, M. Shahin Thayyil, Thermal and Spectroscopic Studies on Nizatidine-PVP mixture, **IOSR Journal of Pharmacy** Vol **2**, issue 6 (2012) 17-23
- 20 Areas of consultancy and income generated: NIL
21. Faculty as members in
- | | |
|-----------------------------|-----|
| a) National committees | NIL |
| b) International Committees | NIL |
| c) Editorial Boards | NIL |
- 22 Student projects
- | | |
|---------------|--------|
| Undergraduate | : 100% |
| Post Graduate | : 00 |
23. Awards / Recognitions received by faculty and students
- List of students who have qualified NET/JRF
- Dr U. Sailaja:
- Dayawathi Rasthogi Award for Best paper presentation in International seminar ICOPVS-2013
 - One research article published in Eur. J. Pharm. Sci. Is selected as one of the top 50 biomedical articles of the period 2008-2013 and this paper obtained three citations
 - Paper presented at Dept of Pharmacology, National University of Singapore in an International Conference on Pharmacology and Drug

Discovery in December 2013 with the aid of UGC travel grant.

- Co author of an invited talk for 7th International Discussion meeting on relaxations in Complex Systems (IDMRCS, Barcelona, July 2013).
- Acted as a reviewer for an International Pharmaceutical journal "Current Pharmaceutical Analysis".
- Resource person, refresher courses, Academic Staff College, University of Calicut.

Students who have qualified NET/JRF

Sl .No	Name	Qualification	Year
1	Mr. Unnikrishnan C	UGC-JRF(Physics)	2007
	K	UGC-JRF (Earth Sciences)	2010
2	Ms.Dhanya P	UGC-JRF	2009

24. List of eminent academicians and scientists / visitors to the department

Year	Name of the Academician	Event connected with the visit
2012-13	Dr A K Abdul Gafoor, Associate Professor, Govt Arts and Science College, Kozhikode	Inauguration of Physics Association activities
2011-12	Dr Mini Balakrishnan, Head of the Dept. of Physics, Providence College for Women, Calicut	Invited talk on "Smart materials"
	Mr. V S Ramachandran, Director, Regional Science Centre and Planetarium, Kozhikode	National Seminar on Modern Trends in Physics
	Prof B R S Babu, Dept of Physics, Calicut University	National Seminar on Modern Trends in Physics
	Prof K M Varier, Dept of Physics, Kerala University	National Seminar on Modern Trends in Physics

	Dr K P Biju, dept of Physics, Government College, Kodanchery	National Seminar on Modern Trends in Physics
	Dr M Shahin Thayyil, Dept of Physics, Calicut University	National Seminar on Modern Trends in Physics
	Dr A M Vinodkumar, Dept of Physics, Calicut University	National Seminar on Modern Trends in Physics
2008-09	Dr M Shahin Thayyil, Dept of Physics, Calicut University	Seminar on Theory of Glass Transition

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

National: NIL

International: NIL

Regional seminars/workshops/invited lectures: 7

Date	Topic of Seminar	National/International	Source of Funding
2011-2012	Modern Trends in Physics	National	UGC

26. Student profile programme/course wise:

B.Sc Physics	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
2009-10	355	36	14	22	93
2010-11	227	36	10	26	76.4
2011-12	394	29	6	23	91.1
2012-13	252	36	13	23	58
2013-14	Online	36	9	27	64.3

27. Diversity of Students

Name of the programme	% of students from the same state	% of students from other states	% of students from abroad
B. Sc Physics	100	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

JRF/NET : 2

SET : 4

29. Student progression

	2009-10	2010-11	2011-12	2012-13
UG to PG (last 4 years)	44.1%	58.8%	35.5%	20%
PG to M Phil			3.2%	
PG to Ph D		2.9%		4%
Ph D to Post-Doctoral				
Employed				
Campus selection				
Other than campus selection	38.2%	11.8%	54.8%	28%
Entrepreneurship/Self employment	2.7%			

30. Details of Infrastructural facilities

a) Details of Infrastructural facilities

a) Library

No. of Book titles in Physics : 896

No. of Journal titles related to Physics : 7

b) Internet facilities for Staff & Students

The Department has three internet connected desktop computers. Students can access internet from library, ICT lab or from department. Wi-Fi

connectivity is also provided.

c) Class rooms with ICT facility:

A class room is provided with smart board, LCD projector and internet facility.

d) Laboratories

Some of the major equipments in the Physics Laboratory are

- Optical fibre apparatus
- Polarimeter
- Cathode ray oscilloscopes
- Function generators
- Spectrometers

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	SC Scholarship	OBC Scholarship	Other Scholarships
2010-11	17	41	4
2011-12	17	37	5
2012-13	20	29	6
2013-14	19	40	7

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Special lectures:

Topic	Resource person	Year
Nanomaterials	Dr A K Abdul Gafoor, Associate Professor, Govt Arts and Science College, Kozhikode	2013
Smart Materials	Dr Mini Balakrishnan, Head of the Dept. of Physics, Providence College for Women, Calicut	2012
Astrophysics	Mr Tharanathan, researcher at CUSAT	2011
Introductory Astronomy	Mr Sreedharan, amateur astronomer	2010

Seminars:

National Seminar on “Modern Trends in Physics” (ModPhys-2011), October 2011

33. Teaching methods adopted to improve student learning

- Lecture method
- Power point presentations and use of smart class
- Participatory learning via Seminars
- Invited lectures
- IT enabled teaching

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Students and teachers of the Department have actively participated in various extension activities organized by National Service Scheme(NSS), National Cadet Corps (NCC), Women empowerment cell, Citizen science forum, Red Ribbon Club etc.

The Department, in association with Kottakkal Arya Vaidya Sala, organized a medical camp at AMLP School, Kottappuram village. 130 patients were provided free medicine worth Rs 40000 in the camp. The camp proved very helpful to the poor people residing in this rural area.

35. SWOC analysis of the department and Future plans

Strengths:

- Good Infrastructural facilities
- Strong teacher-student relationship
- Certificate course on Electronic communication

Weaknesses:

- Lack of sufficient number of lab assistants.

Opportunities:

- More advanced student research projects
- Creating more job-ready students using online courses and IT facilities of college

Challenges:

- Lack of enough progression of students to institutions like IIT

Future Plans

- Begin M Sc course
- Apply for UGC aid for Major and Minor research projects and Seminars
- Give coaching for JAM (test for admission to M Sc courses of IIT 's)

DEPARTMENT OF ZOOLOGY

1. Name of the Department **ZOOLOGY**

2. Year of Establishment 1981

3. Names of Programs/Courses offered B Sc Zoology

4. Names of Interdisciplinary courses and the departments/units involved

Department of Zoology offer Open course in Nutrition health and hygiene for fifth semester students of other departments. (Physics, Chemistry, Commerce, Functional English)

5. Annual/ semester/choice based credit system (programme wise)

Choice Based Credit Semester System

6. Participation of the department in the courses offered by other departments

Department	Subject Name	Semester
Physics, Chemistry, Commerce, English	Nutrition, Health & Hygiene (Open Course)	V

- 5th semester students of our department attend the open courses offered by other departments like Chemistry, Physics, Commerce, Functional English & Physical education.

- Our students also participate in add – on –courses offered by English and physical education departments.

7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.

NIL

8. Details of courses/programmes discontinued (if any) with reasons

NIL

9. Number of Teaching posts: 3

Teaching Post	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	2	2
Assistant Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Designation	Qualification	Exp. (Years)	Specialization	No. of Ph.D.Students guided
Ms. P.M.KHAIRUNNI SSA	Associate Professor	MSc	28	Entomology	NIL
DR. M.ZEENATH	Associate Professor	Msc, B.Ed, Ph.D	25	Wildlife Biology	NIL
Ms. KRISHNA PRABHA.K.S.	Assistant Professor	M.Sc, B.Ed	3	Entomology	NIL

11. List of senior visiting faculty NIL
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty
NIL
13. Student -Teacher Ratio (programme wise)
36:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled
Technical Staff Sanctioned: 2
Filled :2
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Faculty
DSc/DLitt/PhD	1
MPhil/ MSc	2

16. Number of faculty with ongoing projects and grants received

Ongoing projects	No. of Faculty	Grants received
UGC Minor Research Project	1	70,000/-

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc.
and total grants received

UGC, 70,000

18. Research Centre /facility recognized by the NIL
University

19. Publication

Publication per faculty	1
Number of papers published in peer reviewed journals (national / international) by faculty and students	1
Number of publications listed in International Database	0
Monographs	0
Chapter in Books	0
Books Edited	0
Books with ISBN/ISSN numbers with details of publishers	0
Impact factor	NIL
h-index	NIL

Publications of Faculty members in Peer Reviewed International Journals

1. **M. Zeenath** and Anil K; Diversity and abundance of Phytoplanktons in the Thutha river; *Proceedings of National conference on Bio diversity and Bioprospecting with reference to plants and microbes*, BIOPROS.11 (2011), 76-78 St. Albert's College, Ernakulam
2. **Zeenath.M** and Anil.K ; Fish biodiversity of Thutha River, North Kerala. *J. Inland Fish.Soc.India.*(submitted)

20 Areas of consultancy and income generated:

The department has a separate body, ZOEAC which works exclusively as an extension and consultancy wing of the department. The consultancy services provided by the department are free of cost as part of our social responsibility and no income is generated yet.

The following are the various consultancy services provided by the department:

1. CULTURING AND DISTRIBUTION OF LARVICIDAL FISHES

Larvicidal fishes are cultured and distributed free of cost to nearby houses as an effective vector control before the monsoon.

2. SOLIDWASTEMANAGEMENT

Under the auspices of the department, several pipe compost and biogas units were established in the nearby wards of Valanchery Panchayat after a preliminary survey. A sample unit was assembled inside the campus also which provided the compost for the organic farming.

As part of “Grama shuchithuam veedukalil ninnum” project we have established pipe compost unit in various houses in and around the campus. We also promote them to switch to biogas units and have already helped to establish 5 units. Proper monitoring is done by the students and necessary advices are given to the local.

3. DETECTION OF BLOOD GROUP, BLOOD SUGAR, BLOOD PRESSURE

Department possess the blood glucose analyser, auto blood pressure detector and also the serums required for the analysis of blood sugar, blood pressure & Blood group of anyone who are in need.

4. WATER CONSERVATION

Expertise regarding water conservation is also conducted by the department. Students actively took part in the various water conservation programmes conducted by the department. They keenly observed the classes regarding the traditional water conservation programmes by Sri. Tony Thomas. Many were motivated to practice such programmes in their own houses and even motivated their neighbours to do so where they face severe water scarcity problems.

5. ORGANIC FARMING

Department conducted various invited talks regarding the health issues related to the modern farming methods which make use of large scale of pesticides and other chemicals. As a campaign against this practice nature club took initiative to start

organic farming in the campus. Volunteered involvement of the students and enthusiastic approach of the staff need to be appreciated. The students themselves distributed vegetable saplings to the school children to start vegetable garden in their own houses. The members of Oriole Nature club and Bhoomithra club took part in various activities in the Kottaram Padashekham following the No Cost natural farming technique of Sri, Subhash Palekhar.

6. ECO CONSERVATION

Dr. M. Zeenath, (District co-ordinator, NGC) of the department serves as a resource person for conducting environmental awareness classes in various institutions.

7. MAINTENANCE OF HERBAL MEDICINAL PLANT

Susrutham – Herbal garden is maintained by the department to make the new generation sentient of our year old practice of application of traditional medicinal plants. More than 150 traditional plants are conserved in our garden.

A CD ROM Containing information regarding more than 150 medicinal plants were prepared by the department of zoology. This CD were distributed among various schools and colleges .

8. pHAnalysis

Department extend all its help to detect the pH of drinking water in the fresh water sources near the campus and suggest necessary remedial measures if needed.

21. Faculty as members in

a) National committees	1
b) International Committees	NIL
c) Editorial Boards	NIL

Dr. M. Zeenath

- Member of National Children's Science Congress.
- District Co-ordinator of NGC, Malappuram
- Member MNHS
- Member SEEK

22 Student projects

The year wise list of student projects is given below:

2007-2008

- 1.Population study of birds in the campus and surroundings.
- 2.Application of Vermicompost on some edible plants.

3. Study of ponds for the identification of planktons.

2008-2009

1. Ecological study on fresh water copepods of Valanchery panchayat.

2. A comparative study on the food contents of fresh water fishes.

3. Study of ponds for the identification of planktons.

2009-2010

1. Influence of pH on different species of fresh water copepods.

2. Analysis of correlation between relative time (auditory and visual) with learning ability in female Homosapiens.

3. Auditory and visual learning and the role of laterized utilization of brain.

2010-2011

1. Study of ponds of Valanchery panchayat.

2. Determination of efficiency of different colours of water traps for insect collection.

3. Studies on the age and growth of oil sardine by means of scales.

2011-2012

1. Studies on biodiversity of spiders in and around the campus.

2. Dermatoglyphic study on mental retardation.

3. Studies of leaf litter fauna in and around the campus.

2012-2013

1. Study of lotic and lentic planktons of Thutha river.

2. Palmar dermatoglyphic studies on Diabetes Mellitus.

3. Population estimation of Mango leaf webber *Orthaga exvinacea* in Valanchery Panchayat.

2013-2014

1. Studies on the benthic organisms of Tirur river

2. Eco-social impact of water theme park on Thutha river

3. Studies on the water quality of Tirur river

23. Awards / Recognitions received by faculty and students

List of students who have qualified NET/JRF

1) Dr. M. Zeenath

- Selected as a member of National Children's Science Congress Programme (District Co-ordinator)

- Appointed as district co-ordinator, National Green Corps, India by Science Technology and Environment Department.
 - Co-investigator – River Fish Monitoring Programme, Kerala State Biodiversity Board
 - Resource person -Invited talks in other colleges
- 2) Mr. Mohammed Ali of the department bagged silver medal in the university boxing and taekwondo championship 2012-2013

24. List of eminent academicians and scientists / visitors to the department

Year	Name of the Academician	Event connected with the visit
2013-14	Sri. Tony Thomas, Editor, Ore bhumi ore jeevan, Kerala	Workshop on water conservation
	Prof. Papputy, Former State secretary, KSSP, Kerala	Welcoming ISON
	Sri. Rajan, Section Officer, Social Forestry Division , Kozhikode.	Exhibition
	Mr. K.T.Ramakrishnan, Former state president of KSSP	Kerala vikasanam samvadham
	Prof. Capt. M.N.Mohammed koya Associate Professor, MES Ponnani College	Association Inauguration
	Sri. Vijesh Kottakkal	Association Inauguration
	Dr. Jacob Vadakkumchery, Naturopathist	Seminar on Prakruthi Bhakshana Sheelungal
	Dr.V.S.Vijayan, Former head of Kerala Biodiversity Board, Gadgil committee Member	National seminar on Conservation of Western Ghats – Problems and perspectives
	Dr, Esa, Senior scientist, KFRI,Peechi	National seminar on Conservation of Western Ghats – Problems and perspectives
	Dr.Binoy , NIAS, Benguluru	National seminar on Conservation of Western Ghats – Problems and perspectives

2012-13	Sri. Satheesan, Member KSSP	Training Class on pipe composting
	Sri.Sandeep, Energy Technologist, Kerala State Energy Management Agency, Thiruvananthapuram	Awareness class on Domestic Energy conservation
2011-12	Mr.Hameed Ali.V, Member MNHS	Association inauguration
	Sri.Ashokan, Member SEEK	Ozone Day observation
	Dr.Harikumaranthampi, Associate Professor , Dept. of Lifescience, University of Calicut	Seminar in connection with International Year of Chemistry
	Dr. Muhammed Shafi, HOD, Dept. of Chemistry, University of Calicut	Seminar in connection with International Year of Chemistry
	Sri.S.Sivadas, DFO, Silent Valley Division	Exhibition in connection with International Forest year
2010-11	Sri. V.C.Balakrishnan, Secretary, SEEK	Association inauguration
2009-10	Dr.A.V.George, Nanotechnologist and HOD ,Environmental Science, Christian College, Irinjalakkuda	Association inauguration
2008-09	Dr.Kishore, GHSS,Kottakkal	Association inauguration
2007-08	Dr.Sundaran, Superintendent of Mental health, Kottakkal	Association inauguration
	Mr.Prajeesh, Pscychologist, MIMS, Kottakkal	Association inauguration

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

International : 0

National : 2

Regional seminars/workshops/invited lectures : 19

Date	Topic of Seminar	National / International	Source of Funding
2013-2014	Conservation of Western Ghats – Problems and Perspectives	National	National Green Corps
2010-2011	Citizen Science Project	National	Department

26. Student profile programme/course wise:

B.Sc Zoology

YEAR	Applications received	Selected	Enrolled		Pass
			*M	*F	
2009-10	259	36	-	36	100
2010-11	283	36	1	35	91
2011-12	349	36	2	34	87.5
2012-13	431	36	7	29	100
2013-14	Online entry	36	2	34	64.5

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the state	% of students from other States	% of students from abroad
B.Sc Zoology	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NET/SET: 2

29. Student progression

Student progression	Against % enrolled
UG to PG	19
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	
• Other than campus recruitment	21
Entrepreneurship/Self-employment	Nil

30. Details of Infrastructural facilities

a) Library

No. of Book titles in Zoology : 1,107

No. of Journal titles in Zoology : 3

The department library homes books and journals that supplement the academic needs of the students. There are also several journals in the department reading room both related with their subjects and general magazines. The students can spend their free hours in the department reading room or in the general library of the college.

b) Internet facilities for Staff & Students

Department possesses a computer with internet facility, which the students can utilize for their reference. The students can also depend on the ICTR in the general library.

c) Class rooms with ICT facility : 1

d) Laboratories

I. LABORATORY

Zoology lab is facilitated by the equipments like incubator, centrifuge, steam bath, water bath, slide projector, OHP, pH meter, heater, kymograph,

chemical balances etc. Recently we have an LCD projector fixed in the lab.

II. MUSEUM

Department of Zoology have a rich museum with more than 69 specimens and a skeleton box. We have collected all the charts and models required to aid the teaching. A well-endowed reading room coupled with the museum with textbooks, reference books and journals.

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	SC Scholarship	OBC Scholarship	Other Scholarships
2010-11	22	44	7
2011-12	20	43	6
2012-13	20	42	4
2013-14	21	39	4

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Special lectures:

Event	No.	Event
National seminars	2	National seminars
Regional Work shop	-	Regional Work shop
Invited lectures/seminars	19	Invited lectures/seminars

33. Teaching methods adopted to improve student learning

The department envisages novel methods to impart knowledge a lot not just by reading books, but also through various activities in and outside the college. These make teaching and learning more rewarding. Initiatives are taken to improve the quality of education by developing our own mechanism of maintaining internal quality. We have an effective tutorial implemented to ensure high output from the students.

- *Classroom lecture*

The syllabus is covered mainly through classroom lectures. In each semester, the total syllabus is divided into three parts. The first 40% of the syllabus is completed in the first quarter of the semester. 30 % portions are completed in each subsequent quarter. Lecturing, fieldwork, seminars, observations, discussions, quiz competitions, practical, library, internet references, self study are all recommended for the students. Sufficient time is given for the preparation of seminars as well as the assignment.

- *Internal evaluations*

Internal evaluation is done by conducting test papers, group discussion, asking questions, internal examinations (theory and practical), seminars, debates etc. Each student is strictly monitored according to the guidelines given by the university. A minimum of one assignment and one seminar are given to each student from each paper. Two test papers are conducted per semester and the attendance is also strictly monitored. In addition to this, performance of the students and their conduct are continuously monitored to evaluate them properly.

- *Remedial coaching*

Special classes are conducted for weak students twice a week from 3.45 to 4.45 pm.

- *Class Diary and Department*

A class diary in which classroom activities are recorded is maintained by the student co-ordinator. Records of the work done by each teacher and the departmental activities are recorded in the department diary.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The department of zoology set into motion a novel attempt to mix and mingle with the local people with which the infrastructure and knowledge of the department can be utilized by the public. From this emerged ZOEAC a centre to provide knowledge and instruction to these fields and serve as a consultancy agency. It has unique objectives to do something that would send out a social message, to share the science with the regional knowledge.

(a) Consultancy Services

The programme is aimed at utilizing the academic achievements and infrastructure facilities for the benefit of the public. For this intention, a consultancy service was established in the department. The cell was meant for identifying the needs of the public depending on the occasion. Accordingly, the following programs

are being conducted in the department.

- Culturing and distribution of larvicidal fishes
- Solid waste management
- Detection of Blood group, blood sugar, blood pressure
- Water conservation
- Organic farming
- Eco conservation
- Maintenance of medicinal plants
- pH Analysis

(b) Extension activities

Extension work of the department is very wide and useful. It includes association activities, seminars, studies and observations. Three teaching staff and two lab assistants of the department actively participate in these activities. Many activities were undertaken by ZOEAC during the past five years.

- Cancer awareness programme
- Removal of plastic wastes from the campus
- Carrier guidance seminar (By R.Sankar – Clinimeds, Thrissur on 14-10-2010)
- Conservation of traditional medicinal plants by establishing a medicinal garden
- Participation of students in the Gramasabha
- Blood group detection
- Estimation of blood sugar and pressure
- Maintenance of normal pH
- Awareness on monsoon diseases
- Awareness on Solid waste management
- A monthly wall magazine publishing, named “BEATS OF LIFE”
- A film show on Endosulphan issue.
- Awareness on cancer detection
- Participation in fine arts debates and quiz competition.
- Maintaining an aquarium
- Culturing and distribution of larvicidal fishes.
- CD ROM containing information regarding more than 150 medicinal plants were prepared

35. SWOC analysis of the department and Future plans

Strength

- Highly passionate students are the wealth of the department
- Harmony among the staff members
- Dedicated and supportive lab attenders
- Smart class room
- Computer with internet facility
- Surplus compilation of books in library

Weakness

- Lack of male students
- Lack of the Post Graduate department

Opportunities

- To enhance the department from UG level to PG

Challenges

- Drop outs of girl students
- Less number of male student applicants
- Encourage girl students to go for higher studies

Future Plans

- To upgrade the department to PG department
- To boost the participation in research both by faculty and students
- Take necessary steps to carry out publication works by the faculties

DEPARTMENT OF ARABIC

1. Name of the Department **ARABIC**
2. Year of Establishment 1981
3. Names of Programs/Courses offered Common course for
B.A./B.Sc./B.Com./B.Sc.(Other Pattern)
4. Names of Interdisciplinary courses and NIL
the departments/units involved
5. Annual/ semester/choice based credit system (programme wise)
Choice Based Credit Cum Semester System (CCSS)
6. Participation of the department in the courses offered by other departments

Department	Subject Name	Semester
Zoology Physics English	Common course	I, II, III & IV
Polymer Chemistry Commerce (Other Pattern)	Common course	I & II

7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.
8. NIL
Details of courses/programmes discontinued (if any) with reasons
NIL
9. Number of Teaching posts :1

Teaching Post	Sanctioned	Filled
Associate Professors	0	0
Assistant Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Designation	Qualification	Exp. Years	Specialization	No. of Ph.D students guided
Mr. JALEEL T. K.	Assistant Professor	M.A., M.Phil.	3	History of Modern Arabic Literature	NIL

11. List of senior visiting faculty NIL
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty NIL
13. Student -Teacher Ratio (programme wise) NA
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. M.A., M. Phil, One faculty
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Ongoing projects	No. of Faculty	Grants received
UGC, Minor Research Project	1	1,30,000

17. Departmental projects funded by DST - UGC, 1,30,000
FIST; UGC, DBT, ICSSR, etc. and total grants received
18. Research Centre /facility recognized by the University NIL
19. Publications: NIL
20. Areas of consultancy and income generated:
NIL
21. Faculty as members in
a) National committees NIL

- b) International Committees NIL
- c) Editorial Boards NIL
- 22 Student projects NIL
23. Awards / Recognitions received by faculty and students
List of students who have qualified NET/JRF
NIL
24. List of eminent academicians and scientists / visitors to the department
NIL
- 25 Seminars/Conferences/Workshops organized & the source of funding
- a) National : 0 b) International : 0
- c) Regional seminars/workshops/invited lectures:
1
- | Date | Topic of Seminar | National/International/
Regional | Source of Funding |
|--------------|---|-------------------------------------|---------------------|
| January 2014 | Mappila Art Forms: Region, Time and Narrative | Regional | Management & Public |
26. Student profile programme/course wise: NA
27. Diversity of Students NA
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA
29. Student progression NA
30. Details of Infrastructural facilities
- a) Library: No
- b) Internet facilities for Staff & Students: The Department has two internet

connected desktop computers.

c) Class rooms with ICT facility: No

d) Laboratories: Not

Applicable

31. Number of students receiving financial assistance from college, university, government or other agencies

NIL

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Organized state level seminar on Mappila Art Forms: Region, Time and Narrative

33. Teaching methods adopted to improve student learning

- Lecture method
- Power point presentations
- Seminars
- Video presentation from great scholars

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

NA

35. SWOC analysis of the department and Future plans : Guest Talk on Journal And . Commercial Arabic

DEPARTMENT OF BOTANY

1. Name of the Department **BOTANY**
2. Year of Establishment 1981
3. Names of Programs/Courses offered Complementary course for B. Sc.Zoology
4. Names of Interdisciplinary courses NIL
and the departments/units involved
- 5 Annual/ semester/choice based credit system (programme wise)

Choice Based Credit Cum Semester System (CCSS)

6. Participation of the department in the courses offered by other departments

Department	Subject Name	Semester
Zoology	Botany(Complimentary)	I, II, III & IV

7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.
8. NIL
Details of courses/programmes discontinued (if any) with reasons
NIL

9. Number of Teaching posts:1

Teaching Post	Sanctioned	Filled
Associate Professors	1	1
Assistant Professors	0	0

Faculty profile with name, qualification, designation, specialization,

10. (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Designation	Qualification	Experience	Specialization	No.of Ph.D students guided
Dr. ABDUL HAMEED	Associate Professor	M Sc, Ph.D. B. Ed.	30Yrs	Pteridophytes, Filmy Ferns	NIL

11. List of senior visiting faculty NIL
- 12 Percentage of lectures delivered and practical classes handled(programme NIL

wise) by temporary faculty

13. Student -Teacher Ratio (programme wise) 36:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled
- Technical Staff Sanctioned : 1 Filled : 1
15. Qualifications of teaching faculty with M Sc, Ph.D. B. Ed., One faculty
DSc/ D.Litt/ Ph.D/ MPhil / PG.
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received NIL
18. Research Centre /facility recognized by the University
NIL
19. Publications:

Publication per faculty	10
Number of papers published in peer reviewed journals (national / international) by faculty and students	10
Number of publications listed in International Database	NIL
Monographs	NIL
Chapter in Books	1
Books Edited	NIL
Books with ISBN/ISSN numbers with details of publishers	NIL
Impact factor	NIL
h-index	NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

a) National committees

- Member of Indian Angiosperm Taxonomy (IAT)
- Member of Malabar Natural History Society (MNHS)
- Member of Indian Fern Society (IFS)
- Member Biodiversity Board, Kerala State

b) International Committees NIL

c) Editorial Boards NIL

22 Student projects NIL

23. Awards / Recognitions received by faculty and students

List of students who have qualified NET/JRF

- Dr. Abdul Hameed Chelekodan (department of Botany) won Bolt Award 2006, instituted by Air India for Best Teacher
- Dr. Abdul Hameed Chelekodan won Lifetime Education Achievement Award 2006, instituted by Economic and Human Development Association, New Delhi
- Dr. Abdul Hameed Chelekodan won Bharathiya Shiksha Ratan Award 2007 with Medal, instituted by the Economic and Human Resource Development Association, New Delhi
- Prof. M.M Ghani Award 2006 for Best College Teacher, instituted by Calicut University

List of Publications:

1. Madhusoodanan P.V., C.A. Hameed and P K Rajagopal, Indian Fern J. 13: 75-77 (1996)
2. Madhusoodanan P.V and C.A. Hameed, Indian J.Forestry, 20:190-192(1997)
3. Madhusoodanan P.V and C.A. Hameed, Nord.J.Bot.18:169-170(1997).
4. Hameed C.A. and P.V. Madhusoodanan, J.Bombay Nat.Hist.Soc.95:543-545 (1998).
5. Hameed C.A. and P.V. Madhusoodanan, Sida 18:519-522 (1998)
6. Hameed C.A. and P.V. Madhusoodanan, J.Econ Tax.Bot22:465-467(1998)
7. Hameed C.A. and P.V. Madhusoodanan, Fern Gaz. 15:265-268(1999)
8. Hameed C.A. and P.V. Madhusoodanan. Nord J.Bot.19:277-279 (1999).
9. Hameed C.A., J.Econ Tax.Bot, 27:1245-1248 (2003)
10. Hameed C.A. and P.V. Madhusoodanan, Nord J.Bot. 23(4):437-439 (2005).

24. List of eminent academicians and NIL
scientists / visitors to the department
25. Seminars/Conferences/Workshops organized & the source of funding
 - a) National : 0
 - b) International : 0
 - c) Regional seminars/workshops/invited lectures: 0
26. Student profile programme/course wise: NA
27. Diversity of Students NA
28. How many students have cleared NIL
national and state competitive
examinations such as NET, SLET,
GATE, Civil services, Defense services,
etc.?
29. Student progression NA
30. Details of Infrastructural facilities
 - a) Library: No
 - b) Internet facilities for Staff & Students: The Department has two internet
connected
desktop computers.
 - c) Class rooms with ICT facility: No
 - d) Laboratories: Not Applicable
31. Number of students receiving financial assistance from college, university,
government or other agencies
NIL
32. Details on student enrichment programmes (special lectures / workshops /seminar)
with external experts
NIL
33. Teaching methods adopted to improve student learning
 - Lecture method
 - Power point presentations
 - Seminars
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
Students and teachers of the Department have actively participated in various

extension activities organized by National Service Scheme(NSS), National Cadet Corps (NCC), Women empowerment cell, Citizen science forum, Red Ribbon Club etc.

35. SWOC analysis of the department and Future plans

Seminars and workshop

DEPARTMENT OF HINDI

1. Name of the Department **HINDI**
2. Year of Establishment 1981
3. Names of Programs/Courses Common course for offered B.A./B.Sc./B.Com./B.Sc.(Other Pattern)
4. Names of Interdisciplinary courses and the departments/units involved

NIL

5. Annual/ semester/choice based credit system (programme wise)
Choice Based Credit Cum Semester System (CCSS)
6. Participation of the department in the courses offered by other departments

Department	Subject Name	Semester
Zoology, Physics English	Common course	I, II, III & IV
Polymer Chemistry Commerce(Other Pattern)	Common course	I & II

7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.

NIL

8. Details of courses/programmes discontinued (if any) with reasons

NIL

9. Number of Teaching posts 1

Teaching Post	Sanctioned	Filled
Associate Professors	0	0
Assistant Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Designation	Qualification	Experience	Specialization	No. of students guided	Ph.D
DR. PREETHA S.R.	Assistant Professor	M.A., B.Ed., M.Phil., Ph.D	5	Biographical Novels	NIL	

11. List of senior visiting faculty NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty NIL
13. Student -Teacher Ratio (programme wise) NA
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. M Sc, M. Phil. Ph.D. B. Ed. One faculty
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received NIL
18. Research Centre /facility recognized by the University NIL
19. Publications:

Publication per faculty	NIL
Number of papers published in peer reviewed journals (national /international) by faculty and students	NIL
Number of publications listed in International Database	NIL
Monographs	NIL
Chapter in Books	5
Books Edited	NIL
Books with ISBN/ISSN numbers with details of publishers	2
Impact factor	NIL

1. **Dr. Preetha S. R.** Article in Navanikash Magazine (ISSN), 2011, Page NO. 44-45
 2. **Dr. Preetha S. R.** Sahithya Tirthayathra ke Nishkarsh, editor, P.K. Chandran, Jawaher Pustakalaye, Madura (ISBN), 2011, Page No. 61-68
 3. **Dr. Preetha S. R.** Hindi Sahithyam Nutandukalude Nirabedagale, Book, edited Dr. Arsu, Publisher Vidyarthimithram, Kottayam, 2006, Page No.-214-219
 4. **Dr. Preetha S. R.** Barathiyakadakale, (Story translation), edited C. P. Chandram, Samayam Publications, 2008, Page No. 81-86
 5. **Dr. Preetha S. R.** Chilla Magazine, (Story translation) edited by Elayadath Venugopal, 2010, Page No. 97-99
 6. **Dr. Preetha S. R.** *Upanyase ke ayinememe sahithyake gevani, Madura, Utterpradesh, Jawaher Pustakalaye, 2013, Print*
 7. **Dr. Preetha S. R.** *Upanyase ke ayinememe amare atmavam ka ankan Madura, Utterpradesh, Jawaher Pustakalaye, 2014, Print*
- 20 Areas of consultancy and income generated:
NIL
21. Faculty as members in
a) National committees: NIL
b) International Committees: NIL
c) Editorial Boards: NIL
- 22 Student projects :NIL
23. Awards / Recognitions received by faculty and students, List of students who have qualified NET/JRF
NIL
24. List of eminent academicians and scientists / visitors to the department
NIL
- 25 Seminars/Conferences/Workshops organized & the source of funding
a) National : 0
b) International : 0
c) Regional seminars/workshops/invited lectures: 1

Date	Topic of Seminar	National/International/ Regional	Source of Funding
29-30 January 2014	Mappila Art Forms: Region, Time and Narrative	Regional	Management & Public

26. Student profile programme/course wise: NA
27. Diversity of Students: NA
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA
29. Student progression: NA
30. Details of Infrastructural facilities
 - a) Library: No
 - b) Internet facilities for Staff & Students: The Department has two internet connected Desktop computers.
 - c) Class rooms with ICT facility: No
 - d) Laboratories: NA
31. Number of students receiving financial assistance from college, university, government or other agencies
NA
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts
Organized state level seminar on Mappila Art Forms: Region, Time Narrative
33. Teaching methods adopted to improve student learning
 - Lecture method
 - Power point presentations
 - Seminars
 - Video presentation from great scholars
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
NIL
35. SWOC analysis of the department and Future plans
A talk on Hindi Literature Translational Workshop

DEPARTMENT OF MALAYALAM

1. Name of the Department **MALAYALAM**
2. Year of Establishment 1981
3. Names of Programs/Courses offered Common course for B.A./B.Sc./B.Com./B.Sc.(Other Pattern)
4. Names of Interdisciplinary courses and the departments/units involved NIL
5. Annual/ semester/choice based credit system (programme wise)
Choice Based Credit Cum Semester System (CCSS)
6. Participation of the department in the courses offered by other departments

Department	Subject Name	Semester
Zoology, Physics, English	Common course	I, II, III & IV
Polymer Chemistry, Commerce(Other Pattern)	Common course	I & II

7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.
NIL
8. Details of courses/programmes discontinued (if any) with reasons
NIL
9. Number of Teaching posts 1

Teaching Post	Sanctioned	Filled
Associate Professors	0	0
Assistant Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Designation	Qualification	Experience	Specialization	No.of students	Ph.D
Mr. SHAJID.P.P	Assistant Professor	M.A. B.Ed.	3	Kerala Culture	NIL	

11. List of senior visiting faculty : NIL

- | | | |
|-----|---|--------------------------|
| 12 | Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: | NIL |
| 13 | Student -Teacher Ratio (programme wise): | NA |
| 14. | Number of academic support staff (technical) and administrative staff; sanctioned and filled: | NIL |
| 15. | Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.: | M A. B. Ed., One faculty |
| 16. | Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: | NIL |
| 17. | Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received | NIL |
| 18. | Research Centre /facility recognized by the University | NIL |
| 19. | Publications: | NIL |
| 20 | Areas of consultancy and income generated: | NIL |
| 21. | Faculty as members in
a) National committees :
b) International Committees :
c) Editorial Boards : | NIL
NIL
NIL |
| 22 | Student projects: | NIL |
| 23. | Awards / Recognitions received by faculty and students
List of students who have qualified NET/JRF | NIL |
| 24. | List of eminent academicians and scientists / visitors to the department | NIL |

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

a) National : 0

b) International : 0

c) Regional seminars/workshops/invited lectures: 1

Date	Topic of Seminar	National/International/ Regional	Source of Funding
29-30 January 2014	Mappila Art Forms: Region, Time and Narrative	Regional	Management & Public

26. Student profile programme/course wise: NA

27. Diversity of Students: NA

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
NA

29. Student progression: NA

30. Details of Infrastructural facilities

a) Library: No

b) Internet facilities for Staff & Students: The Department has two internet connected desktop computers.

c) Class rooms with ICT facility: No

d) Laboratories: Not Applicable

31. Number of students receiving financial assistance from college, university, government or other agencies
NIL

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Organized state level seminar on Mappila Art Forms: Region, Time Narrative

33. Teaching methods adopted to improve student learning

- Lecture method

- Power point presentations
- Seminars

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Guest Talk on Kerala culture Exhibition on Antique & cultural heritages items. actively participated in various extension activities organized by National Service Scheme(NSS).

35. SWOC analysis of the department and Future plans

National Seminars and workshops

DEPARTMENT OF MATHEMATICS

1. Name of the Department **MATHEMATICS**
2. Year of Establishment 1981
3. Names of Programs/Courses offered Complementary course for B.Sc Physics and Polymer Chemistry
4. Names of Interdisciplinary courses and the departments/units involved NIL
5. Annual/ semester/choice based credit system (programme wise)
Choice Based Credit Cum Semester System (CCSS)
6. Participation of the department in the courses offered by other departments

Department	Subject Name	Semester
Physics, Polymer Chemistry	Complementary Course	I, II, III & IV

7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.

NIL

8. Details of courses/programmes discontinued (if any) with reasons

NIL

9. Number of Teaching posts 1

Teaching Post	Sanctioned	Filled
Associate Professors	0	0
Assistant Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Designation	Qualification	Experience	Specialization	Ph.D students guided
Ms. MUNEERA.	Assistant Professor	M. Sc., M. Phil, B. Ed.	4	Pure Mathematics	NIL

11. List of senior visiting faculty: NIL
12. Percentage of lectures delivered and practical classes handled(programme wise) by

temporary faculty

NIL

13. Student -Teacher Ratio (programme wise) NA
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled NA
15. Qualifications of teaching faculty with M Sc, M. Phil B. Ed. DSc/ D.Litt/ Ph.D/ MPhil / PG. One faculty
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received
NIL
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received
NIL
18. Research Centre /facility recognized by the University
NIL
19. Publications: NIL
20. Areas of consultancy and income generated:
NIL
21. Faculty as members in
 - a) National committees: NIL
 - b) International Committees: NIL
 - c) Editorial Boards: NIL
22. Student projects : NIL
23. Awards / Recognitions received by faculty and students, List of students who have qualified NET/JRF
NIL
24. List of eminent academicians and scientists / visitors to the department
NIL
25. Seminars/Conferences/Workshops organized & the source of funding
 - a) National : 0
 - b) International : 0
 - c)Regional seminars/workshops/invited lectures: 0

26. Student profile programme/course wise: NA
27. Diversity of Students NA
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
NA
29. Student progression: NA
30. Details of Infrastructural facilities
 - a) Library: No
 - b) Internet facilities for Staff & Students: The Department has two internet connected desktop computers.
 - c) Class rooms with ICT facility: No
 - d) Laboratories: Not Applicable
31. Number of students receiving financial assistance from college, university, government or other agencies
NIL
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts
NIL
33. Teaching methods adopted to improve student learning
 - Lecture method
 - Power point presentations
 - Seminars
 - Video presentation from great scholars
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
Department have actively participated in various extension activities organized by Women empowerment cell
35. SWOC analysis of the department and Future plans
Seminars, workshop, Ph.

DEPARTMENT OF PHYSICAL EDUCATION

1. Name of the Department **PHYSICAL EDUCATION**
2. Year of Establishment 1981
3. Names of Programs/Courses offered NIL
4. Names of Interdisciplinary courses and the departments/units involved
 - Department of Physical Education offer Open Course in Physical activity health and wellness for the fifth semester students of other department
 - Students of the other departments participate in add-on course offered by the Department of Physical Education
- 5 Annual/ semester/choice based credit system (programme wise)

Choice Based Credit Cum Semester System (CCSS)

6. Participation of the department in the courses offered by other departments

Department	Subject Name	Semester
Physics, Polymer Chemistry, Zoology, English, Commerce	Physical Activity Health And Wellness (Open Course)	V

7. Courses in collaboration with other Universities, Industries, Foreign Institutions, etc.

NIL

8. Details of courses/programmes discontinued (if any) with reasons

NIL

9. Number of Teaching posts 1

Teaching Post	Sanctioned	Filled
Associate Professors	0	0
Assistant Professors	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Designation	Qualification	Exp	Specialization	No. of Ph.D students
Mr. DINIL S	Assistant Professor	M. P Ed, M. Phil	4 yrs	Scientific principles of coaching in athletics	Nil

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

Name of temporary faculties	Item
Smt. Ramya	Yoga
Mr. Sandeep	Foot Ball
Mr. Sreenath (Formar Indian player)	Soft Ball
Mr. Rajeesh Kumar (University Coach)	Athletics

13. Student -Teacher Ratio (programme wise): 1000:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Part time marker- 1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

M.P Ed, M. Phil; One faculty

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Ongoing projects	No. of Faculty	Grants received
UGC Minor Research Project (Ongoing)	1	1,05,000

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Project Name	Agency	Grants received
health club & multi Gymnasium	UGC	3,00,000
200 meter stadium	UGC	12,00,000
Total		15,00,000

18. Research Centre /facility recognized by the University: NIL

19. Publications: NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

a) National committees-1 Chief Selector of Calicut University Base ball and

Soft ball team

b) International Committees : NIL

c) Editorial Boards : NIL

22 Student projects: NIL

23. Awards / Recognitions received by faculty and students

List of students who have qualified NET/JRF

1. **Ms. Dinil S.** appointed as the Manager of Calicut University Kho Kho Men team and team won the first position in All India Interuniversity Kho Kho men championship in the year 2013-14
2. **Ms. Dinil S.** appointed as the manger as the Calicut university base ball men team and participated in the all india inter university base ball championship held at Punjab university Chandigrah on 2013-2014
3. **Ms. Dinil S.** appointed as the manger as the Calicut university Kho Kho Men team and team participated in the South india inter university championship at Acharya Nagarjuna University Gundur in the year 2012-13

24. List of eminent academicians and scientists / visitors to the department

Year	Name of the Academician	Event connected with the visit
2013-14	Mr. Shafeeque (Former Mr. dia)	College annual athletic meet
2012-13	Mr. Sreenath (Former Indian Player in Soft ball)	College soft ball camp
2011-12	Smt. Priya P.V (Coach Junior Indian Foot ball team for women)	College foot ball camp
	Dr. Sakeer Hussain, Director, DPE, University of Calicut	Inauguration of University base ball champion ship
2007-2008	U. Sharafali, Former Indian Football Player	Inauguration of annual athletic championship

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

a) National : 0

b) International : 0

c) Regionalseminars/workshops/invited lectures: 0

26. Student profile programme/course wise

Name of the Course/programme	Applications received	Selected	Enrolled		Pass
			*M	*F	
B. Com	23	2	2	0	
B.A.	13	3	2	0	
B.Sc. Physics	8	2	1	1	
B. Sc. chemistry	5	2		2	
B.Sc. zoology	5	2		2	
B.C.A.	2	2	1	1	

*M = Male *F = Female

27. Diversity of Students : NA

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NA

29. Student progression

YES, More than 10 students entered in Degree and Post graduate courses in Physical Education

30. Details of Infrastructural facilities

a) Library: No

b) Internet facilities for Staff & Students: The Department has two internet connected desktop computers.

c) Class rooms with ICT facility: No

d) Laboratories: Not Applicable

31. Number of students receiving financial assistance from college, university, government or other agencies

Calicut University provide financial assistance for athletes who won positions in All India Inter-University tournaments and Calicut University Inter-University tournaments.

32. Details on student enrichment programmes (special lectures / workshops /seminar)

with external experts

NIL

33. Teaching methods adopted to improve student learning

Department of Physical Education conducted demonstration of Yogic exercises that will help the students to improve their learning capacity and memory power

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Department of Physical Education participated most of the sports related social and Extension activities. Dept. joined to construct world biggest blood donation bank, the dream led by Mr. Bobby Chemmannur through a marathon.

35. SWOC analysis of the department and Future plans

Strengths:

- Highly motivated students both in academic and sports activities
- Highly qualified athlete
- Providing innovative coaching for national level competitions.
- Innovative multi gymnasium for maintaining health and fitness
- Good collection of library books.
- Well maintaining foot ball field, hand ball court and cricket pitch.

Weakness

- Lack of faculties in the department.
- Only 10 students are admitted per year under sports reservation
- Lack of indoor stadiums.
- Lack of space for the expansion of play ground.

Opportunities

- The college is located near a national level ground and Calicut University.
- To get employed in defence and armed force the department provides special guidance to the students.

Challenges

- Diminishing academic standards of students
- To motivate the girl students to participate in sports activities.
- Low enrollment rate of girls.

Future Plans

- To construct a men's hostel with the help of kerala sports council
- Construct a hand ball court and volleyball court with the assistance of management
- Started one more add on course with the support of UGC.
- To conduct more university competition in the college campus.
- To construct a 200 m track with the help of UGC.

PART IV

POST ACCREDITATION INITIATIVES

IQAC

The Internal Quality Assurance Cell was formed after the first accreditation to make creative suggestions for the overall development of the institution. IQAC is keen in maintaining the quality standards by organizing seminars and workshops for both teaching and non teaching staffs. It also ensures the faculties involvement in academic activities other than teaching-learning. It fosters among the faculties the need for engaging in research and exploratory streams.

Organising Seminars

College sets a model in organizing National and regional seminars. All departments organized at least one National seminar in the past five years of time. Several State level seminars and regional seminars were arranged in between. The presence of renowned academicians contributed to updating the current trends in various topics today. In 2012-13, College became the venue for the National Conference of Principals being organised by Indian Colleges Forum which enhanced the academic and intellectual aura of the institution.

ICT enabled teaching learning process

In almost all departments, at least one of the class rooms was converted to a smart ICT enabled environment to facilitate effective teaching and learning. Most of the faculties make use of the facilities to craft teaching-learning more interesting through seminars, GDs etc. Students were also encouraged to make their presentations in PPT slides and were given opportunity to present them in smart class rooms.

New Courses

- A new professional course, Bachelor of Computer Application (BCA) with Mathematics and Statistics as complementary subjects, M.A. English and M.Com., were started in the academic year 2013-2014 and is functioning well.
- Additional B.Com Batch course was sanctioned in the academic year 2013-2014 with the intention to introduce need based industry oriented courses.

- College has taken the initiative to start new P.G. courses in Zoology, Physics and History and UG courses in Geology and Psychology. Documents relating to the same have been forwarded by the college and the request is under consideration by the University of Calicut and Government of Kerala.

Add on courses

In an effort to give the programme an inter-disciplinary touch, different Add-on courses was started in are functioning effectively in the last five years. The courses are listed below.

- Medical Laboratory technology (MLT) started under Zoology department.
- Electronic communication was the certificate course commenced under physics department.
- Communicative English in English Department
- Yoga Therapy in Physical education Department.

Soft skill and aptitude training

As part of providing soft skills and aptitude training, all the departments are provided with computer systems having Internet facilities. Apart from that, the Departments of Physics and Commerce maintain their own computer labs which can be utilized by all students and staff on request. A centralized computer lab with 38 computers functions in the college and the administrative block is running effectively with fully fledged internet facilities.

Internet facility

The computer systems in our college are equipped with internet facilities. Department computers are also provided with internet facility and all departments are interconnected by the LAN. Wi-Fi connectivity is provided in the college campus. E-master system, which was already functioning in the campus, is renovated with additional facilities.

CCTV

CCTV camera with a recording system is installed in the campus.

Students Amenities

Girls and boys rest rooms renovated considering the needs of the younger generation. Seating Arrangements are made around the avenue trees of the campus. Multi-Gymnasium is functioning in the college under the Physical Education Department.

Equal Opportunity Cell

One of the merged schemes of UGC, EOC is functioning to provide academic intellectual support to the students of underprivileged and minority communities. It has organized many motivational and induction programmes and provided personal support and guidance to students.

Remedial coaching for SC/ST/OBC and Minorities

This was introduced to conduct remedial coaching classes for students who need special attention. This is being conducted efficiently, in order to reduce their failure and dropout rates along with increasing their efficiency in higher studies.

New Commerce Block

The commerce Block with six class rooms is under the completion.

Additional Skill Acquisition Programme (ASAP)

The objective of this initiative is to tackle the issue of unemployment. It gives support in acquisition of communicative skills and IT skills.

Research Infrastructure

Department of Chemistry has already filed the application for a research centre. The newly appointed faculties are encouraged to use our research infrastructure which includes the subscription of INFLIBNET, e- resources and Open access materials. Some

of our faculties produced excellent academic records by publishing papers in journals with high Impact Factor.

Research Projects

The faculties are encouraged to undertake research projects from UGC, CSIR, KSCSTE and other funding agencies. As a result, many a number of the faculty has applied for major and minor research projects. Existing faculty members with PG qualification are persuaded to register for M.Phil and PhD. After last accreditation six faculty members qualified for doctoral degree.

Choice Based Credit semester system

A reformative change in the curriculum was the introduction of CCSS. Internal and external evaluation and introduction of new avenues of knowledge acquisition was made possible.

Widening the Catchment area for Students

College has given due importance to the necessity of widening the catchment area for students. With this object in view, the college has introduced new courses like BCA, MA English, and B Com with Computer Application. More courses have been applied. Hostel facilities for girls are arranged for this purpose. Job oriented programmes has been introduced along with the main subject as add on courses. College is making use of the schemes of UGC and other funding agencies to impart vocational courses.

Campus Food Court

College canteen was renovated by installing LPG stove to reduce the earlier problem of soot. Wall tiles have been fixed to promote its ambiance. New chairs were added. All items made available to students with the reasonable rate.

Alumni Association

Alumni Association Activities has been strengthened since last accreditation. Alumni association has contributed to the student support and progression as well as to the development of infrastructure of the college. Financial assistance is rendered to students from poor sections of society. Measures are also taken to provide books and study materials for them. Since last accreditation the area of activities of Alumni Association has been widened. The association has a say in all progressive activities of the college, ensuring the development.

Career Guidance and Placement Cell

College has taken measure to conduct Career Guidance classes to develop awareness among the students in general and final year students in particular. The cell provides guidance on career opportunities and conducts coaching classes and awareness programmes and orientation programmes. Many students benefited from the job fairs conducted and got placement in leading national and multinational companies.

Staff Strengthening Measures

In the academic year 2013-14, the college started a Day Care Centre for the children of the Staff. This institution is situated within the college campus and has proved to be very useful for the faculty. The college management has taken care to improve the facilities for the staff. All departments were well equipped with a retiring room having good amenities.

Play Ground

Measures were taken to develop and improve the condition of the playground. Physical education department has taken special care in the process. Works are in progress to construct volleyball and basketball courts.

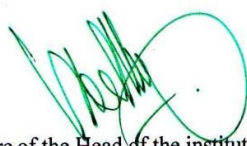
Declaration by the Head of the Institution

Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.


Signature of the Head of the institution

with seal:

Prof. K.H. ABDUL RAZZAK
PRINCIPAL
M E S KEVEEYEM COLLEGE
VALANCHERY- 676 552

Place: Valanchery

Date: 09-06-2014

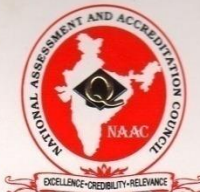


PART V
ANNEXURES

Annexure 1: NAAC Accreditation certificate



Annexure 2: NAAC accreditation grade sheet



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

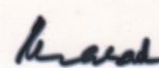
Quality Profile

Name of the Institution : M E S Keveeyam College
Place : Valanchery, Dist. Malappuram, Kerala

Criterion	Weightage (W _i)	Criterion Score (C _i)
I. Curricular Aspects	100	60
II. Teaching-Learning and Evaluation	400	312
III. Research, Consultancy and Extension	50	31
IV. Infrastructure and Learning Resources	150	105
V. Student Support and Progression	100	67
VI. Organization and Management	100	77
VII. Healthy Practices	100	68
Total	ΣW_i = 1000	ΣC_i = 720

$$\text{Institutional Score} = \frac{\sum C_i}{\sum W_i} \times 100 = \frac{720}{1000} \times 100 = 72.00$$

Date : March 31, 2007


 Director

March 31, 2007/372

Annexure 3: Recommendations of the Peer team

SECTION III: OVERALL ANALYSIS AND RECOMMENDATIONS

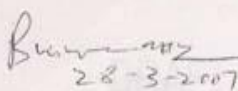
The College is striving hard to achieve its main goal of imparting quality higher education to the under-privileged section of the society in rural areas around the region. Its strength lies in its concerted effort towards academic excellence in courses on science and humanity, adequate infrastructure and other support facilities, stress on imparting value systems synergetic with education for all-round development of student personality and sensitivity to social problems through extension activities. The peer team, while appreciating the steps already taken by the college, takes cognizance of the weaknesses noticed during the peer team visit. Following recommendations are made to enable the college to overcome the weaknesses in the years to come and march towards growth with excellence:

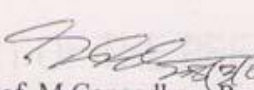
- ⊕ The College should make serious attempts to introduce
 - a. UG programmes in computer science, management, bio-technology, etc..
 - b. PG programmes in Commerce, Management, Computer Science, Industrial Chemistry, Applied Physics etc.
- ⊕ The College would do well to start vocational and short term add-on courses to run concurrently with the conventional degree courses to enhance the employment potential of the students.
- ⊕ The percentage of funds allocation for the library may be doubled to enable purchase of more books and periodicals.
- ⊕ The library timings may be arranged from 8 am to 8 pm by having library staff in two shifts.

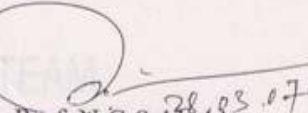
- ⊕ The College may organize more lectures by inviting reputed academicians and senior corporate leaders.
- ⊕ The faculty may be trained in making use of other methods of teaching like case study method, syndicate method, group discussion, seminar presentations etc.
- ⊕ The College management may encourage its faculty to organize more number of seminars at state and national level on topics of relevance and importance.
- ⊕ Necessary research infrastructure facilities like research equipment, journals for reference, etc. have to be created to enable the faculty to carry out sustained research and publish research papers in reputed journals.
- ⊕ Faculty members may be encouraged to apply for more research projects to UGC, ICSSR and other funding agencies.
- ⊕ Existing faculty members with PG qualification may be encouraged to register for Ph.D. and qualify for doctoral degree within the next five years.
- ⊕ The catchment area for student admission may be further widened to other districts of Kerala and other states, in order to provide job oriented educational programmes. Hostel facilities may be adequately provided for such outside students.
- ⊕ The College may strengthen its Alumni Association and its activities towards furthering the development of the college..
- ⊕ Student support services like Career Guidance and Placement Cell may be strengthened.
- ⊕ Welfare schemes for staff may be further strengthened.
- ⊕ The College may explore the possibility of getting autonomy so as to have freedom to achieve excellence in higher education.
- ⊕ The new play ground identified by the college is to be developed to make it useful for organizing different sports activity.

The Peer Team is happy to note the initiative taken by MES Keveeyam College in preparing and submitting the Self Study Report for accreditation by NAAC and the College is to be congratulated for having taken this bold step. The Peer Team desires to thank the Members of Management Committee, The Principal, NAAC Steering

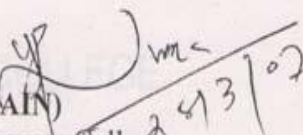
Committee Co-ordinator, faculty, supporting staff, students, alumni and parents of the College for the meaningful interaction and co-operation and cordial hospitality provided during our visit.


28-3-2007
Prof. Dr. B. Viswanathan
Chairman


28/3/07
Prof. M. Gangadhara Rao
Member Co-ordinator


28.03.07
Prof. N.G. Sabhahit
Member

I agree with the observations and recommendations made by the Peer Team


(Dr. HUSSAIN)
Principal, MES Keveeyam College,
VALANCHERY – 676 552, Malappuram, Kerala
PRINCIPAL
MES KEVEEYAM COLLEGE
VALANCHERY – 676 552



Visit by the Peer Team on 28th March 2007

Annexure 4: 2f Certificate

UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI-110 002.

No. F.8-5/98 (CPP-I) February, 2000

The Registrar,
University of Calicut,
Kozhikode-673 635.

24 FEB 2000

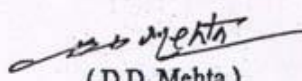
Sub:- List of Colleges prepared under Section 2(f) of the UGC Act, 1956-Inclusion of New Colleges.

Sir,

I am directed to refer to letter No. A2/785/99 dated 16th October, 1999 received from the Principal, M.E.S. Keveeyam College, Valanchery on the above subject and to say that the name of the following College has been included in the above list under Non-Government Colleges teaching upto Bachelor's Degree:-

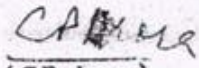
<u>Name of the College</u>	<u>Year of Establishment</u>	<u>Remarks</u>
M.E.S. Keveeyam College, Valanchery-676 552, Malappuram District.	1991-92	The College is not eligible to receive Central assistance in terms of the Rules framed under Section 12-B of the UGC Act, 1956.

The Indemnity Bond and other documents in respect of the above College have been accepted by the Commission.

Yours faithfully,

(D.D. Mehta)
Under Secretary

Copy forwarded to:-

- ✓ 1. The Principal, M.E.S. Keveeyam College, Valanchery-676 552, Malappuram District.
2. The Secretary, Government of India, Ministry of Human Resource Development, (Department of Education), T-14 Section, Shastri Bhavan, New Delhi-110 001.
3. The Joint Secretary, UGC South-Western Regional Office, Prasanna Kumar Block, Place Road, Bangalore-560 009.
4. All Sections, UGC.
5. Section Officer (FD-III Section) UGC, New Delhi.
6. D.T.P. Cell, UGC, New Delhi.
7. Guard file.


(C.P. Arora)
Section Officer

Annexure 5: 12B Certificate



UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI-110 002.

F.8-5/98 (CPP-I)

July, 2003

The Registrar,
University of Calicut,
Calicut-673 635 (Kerala).

4 AUG 2003

Sub:- Declaring a College fit to receive assistance under Section 12-B of UGC Act, 1956.

Sir,

I am directed to refer to your letter No. CDC/C2/1134/95 dated 3-04-2003 received from Director, CDC, University of Calicut on the above subject and to say that it has been noted that MES Keveeyam College, Valanchery has been granted permanent affiliation by the University of Calicut. Accordingly, the MES Keveeyam College, Valanchery which already stands included in the list of Colleges maintained under Section 2 (f) of the UGC Act, 1956 is declared fit to receive Central assistance in terms of Rules framed under Section 12-(B) of the UGC Act, 1956.

Yours faithfully,


(Sharanjit Singh)
Deputy Secretary

Copy to:-

1. The Principal, MES Keveeyam College, Valanchery-676 552, Malappuram District (Kerala).
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi-110 001.
3. Deputy Secretary, UGC, South-Western Regional Office, Prasanna Kumar Block, Palace Road, Bangalore-560 009.
4. Section Officer, FD-III Section, UGC, New Delhi.
5. All Sections, UGC, New Delhi.
6. Guard file.

(Prem Chand)
Section Officer

Annexure 6: Minority status



सत्यमेव जयते

भारत सरकार

राष्ट्रीय अल्पसंख्यक शैक्षणिक संस्था आयोग

GOVERNMENT OF INDIA

NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS

प्रथम तल, जीवन तारा भवन, 5, संसद मार्ग,
पटेल चौक, नई दिल्ली-110001


1st Floor, Jeevan Tara Building, 5, Sansad Marg,
Patel Chowk, New Delhi-110001


August 17, 2007
Dated.....

F. No. 2066 of 2006

ON CONSIDERATION OF THE DOCUMENTARY EVIDENCE PRODUCED BEFORE THE COMMISSION, THE COMMISSION IS SATISFIED THAT MES KEVEEYAM COLLEGE, VALANCHERY P.O., DIST. MALAPPURAM, KERALA, MANAGED BY THE MUSLIM EDUCATIONAL SOCIETY, CALICUT, KERALA, EXCLUSIVELY IS A MINORITY EDUCATIONAL INSTITUTION WITHIN THE MEANING OF SECTION 2 (g) OF THE NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS ACT 2004. CONSEQUENTLY, IT IS HEREBY DECLARED THAT THE AFORESAID COLLEGE IS A MINORITY EDUCATIONAL INSTITUTION COVERED UNDER ARTICLE 30 OF THE CONSTITUTION OF INDIA.

GIVEN UNDER MY HAND AND THE SEAL OF THE COMMISSION.





(R.RENGANATH)
SECRETARY