SRI VYASA N.S.S COLLEGE

VYASAGIRI.P.O, WADAKKANCHERY

THRISSUR DISTRICT., KERALA – 680623

Self Study Report for Re-Accreditation

Submitted to

THE NATIONAL ASSESSMENT AND

ACCREDITATION COUNCIL

BANGALORE – 560 010

CONTENTS

SELF-STUDY REPORT

1. Profile of the Affiliated / Constituent College

1. Name and Address of the College:

Name :	Sri Vyasa N .S .S College
Address :	Wadakanchery
City :Thrissur	Pin : 680 623.	State :Kerala
Website :	www.srivyasanss.ac.in

2. For Communication:

Designation	Name	Telephone	Mobile	Fax	Email
Principal	Dr. K.P. Subash Chandran	O:04884-237718 R:	09447603747	04884-237249	kpsubhash@rediffmail.com
Vice Principal		O: R:			
Steering Committee Co-ordinator	O. Anandam	O: R:	09495113905	04884-237249	mail@srivyasanss.ac.in

3. Status of the Institution:

Affiliated College	✓
Constituent College	
Any other (specify)	

4. Type of Institution:
   a. By Gender

for men	
for women	
co-education	✓

   b. By Shift

i.	Regular	✓
ii.	Day	
iii.	Evening	

5. It is a recognized minority institution?

Yes	
No	✓

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

6. Sources of funding:

Government	
Grant-in-aid	✓
Self-financing	
Any other	

7. a. Date of establishment of the college: 10-07-1967 (dd/mm/yyyy)

   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 (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	4-08-1982	
ii. 12 (B)	4-08-1982	

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

   d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.) Not Applicable

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.				
ii.				
iii.				
iv.				

(Enclose the recognition/approval letter)

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

Yes	✓
No	

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

Yes	
No	✓

9. Is the college recognized by UGC as a College with Potential for Excellence (CPE)?

Yes	
No	✓

If yes, date of recognition: …………………… (dd/mm/yyyy)

b.   for its performance by any other governmental agency?

Yes	
No	✓

If yes, Name of the agency …………………… and

Date of recognition: …………………… (dd/mm/yyyy)

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

Location *	Rural
Campus area in sq. mts.	35 acres
Built up area in sq. mts.	6143

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

11. Facilities available on the campus (Tick 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.

Auditorium/ seminar complex with infrastructural facilities	✓

Sports facilities

Play ground	✓
Swimming pool	
Gymnasium	✓

- Hostel -   Not Applicable

∗ Boys' Hostel

   i. Number of hostels

   ii. Number of inmates

   iii. Facilities (mention available facilities)

∗   Girls' hostel

      i.   Number of hostels

      ii.   Number of inmates

      ii.   Facilities (mention available facilities)

∗   Working women's hostel

      i.   Number of inmates

      iii.   Facilities (mention available facilities)

-Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)	
- Cafeteria —	✓
- Health centre –	

First aid , Inpatient, Outpatient, Emergency care facility, Ambulance…….
Health centre staff –
✓ First Aid
   Qualified Doctor

Full time	
Part time	✓

   Qualified Nurse

Full time	
Part time	

Facilities like banking, post office, book shops	post office
Transport facilities to cater to the needs of students and staff	
Animal house	
Biological waste disposal	
Generator or other facility for management/regulation of electricity and voltage	✓

- Solid waste management facility	
- Waste water management	
- Water harvesting	✓

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

SI. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
	Under-Graduate	B.A,B.Sc.,B. Com	3 years	+2	English	294	294
	Post-Graduate	M.Sc.	2 years	B.Sc.	English	36	36
	Integrated Programmes PG						
	Ph.D.	Chemistry					
	M.Phil.						
	Ph.D						
	Certificate courses						
	UG Diploma						
	PG Diploma						
	Any Other (specify and provide details)						

13. Does the college offer self-financed Programmes?

Yes	
No	✓

If yes, how many? [ ]

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

Yes	✓	No		Number	1

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	Physics, Chemistry, Botany, Maths	✓	Physics Chemistry Maths	Chemistry
Arts	History,Economics,English.	✓		
Commerce	B.Com.	✓		
Any Other (Specify)				

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

Annual system	
Semester	All
Trimester system	

17. Number of Programmes with

a.	Choice Based Credit System	11
b.	Inter/Multidisciplinary Approach	
c.	Any other (specify and provide details)	

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

Yes	
No	✓

If yes,

a. Year of Introduction of the programme(s)……………….… (dd/mm/yyyy) and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.: ………………………………………

Date: …………………………… (dd/mm/yyyy)

Validity:…………………………

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes	
No	

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

Yes	
No	✓

If yes,

a. Year of Introduction of the programme(s)…………….. (dd/mm/yyyy) and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.: …………………………………

Date: …………………………… (dd/mm/yyyy)

Validity:……………………

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes ☐   No ☐

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

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government *Recruited*			5	11	11	12	17	5		
Yet to recruit										
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.			1	4	4	3	
M.Phil.			2	5	1	4	
PG			2	2	7	9	
Temporary teachers							
Ph.D.							
M.Phil.							
PG					2	7	
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

22. Number of Visiting Faculty /Guest Faculty engaged with the College. -1

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

Categories	Year 3		Year 4		Year 3		Year 4	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	65	109	65	109	60	118	58	130
ST		2		2		04		03
OBC	70	100	70	100	85	125	90	120
General	241	300	241	300	159	342	165	356
Others								

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

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	311	36		3	
Students from other states of India					
NRI students					
Foreign students					
Total					

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

UG	1%
PG	Nil

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. 48397/-

(b) Excluding the salary component   Rs. 2127/-

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

Yes	
No	✓

If yes,

a) is it a registered centre for offering distance education programmes of another University

   Yes ☐   No ☐

b) Name of the University which has granted such registration.

   ☐

c) Number of programmes offered ☐

d) Programmes carry the recognition of the Distance Education Council.

   Yes ☐   No ☐

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

Botany	-	1:15
Chemistry(UG)	-	1:12
(PG)	-	1:12
Commerce	-	1:15
Economics	-	1:13
English	-	1:15
History	-	1:17
Maths(UG)	-	1:9
(PG)	-	3:8
Physics(UG)	-	1:12
(PG)	-	1:12

29. Is the college applying for
    Accreditation :

Cycle 1 [ ]   Cycle 2 [√]   Cycle 3 [ ]   Cycle 4 [ ]

Re-Assessment: [ ]

(Cycle 1refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

    Cycle 1: 31/03/2007 (dd/mm/yyyy) Accreditation Outcome/Result B+ Cycle

    2: ……………… (dd/mm/yyyy) Accreditation Outcome/Result……......

    Cycle 3: ……………… (dd/mm/yyyy) Accreditation

    Outcome/Result……......

    * Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.

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

    | 185 |

32. Number of teaching days during the last academic year

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

    | 160 |

33. Date of establishment of Internal Quality Assurance Cell

    (IQAC) IQAC: 02-06-2010 (dd/mm/yyyy)

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

NAAC.
AQAR (i)   12-08-2010 (dd/mm/yyyy)

AQAR (ii)   04-05-2011 (dd/mm/yyyy)

AQAR (iii) 02-07-2012 (dd/mm/yyyy)

AQAR (iv) 19-03-2013 (dd/mm/yyyy)

AQAR (v) 02-07-2013 (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

Nil

SELF STUDY REPORT

PREFACE

Accreditation self study report is a most valuable document, since our college is preparing itself for the reaccreditation by National Assessment and Accreditation Council (NAAC). The document has been prepared with utmost sincerity and honesty to the best of our knowledge and belief. This report is prepared according to the instructions laid down by NAAC which include (a) Profile of the college (b) Preface (c) Executive Summary (d) Criterion wise evaluation report (e) Evaluative report of the departments (f) Post accreditation initiatives and (g) A declaration by the head of the institution.

Sri Vyasa N.S.S. College, Wadakkanchery is one of the premier colleges of the state of Kerala. The college was established in 1967 by the Jnana Asharam, a Hindu spiritual congregation renowned for philanthropic and social welfare activities. Nair Service Society, one of the earliest and most venerated social organizations of Kerala, founded by the great social reformer Bharatha Kesari Mannath Padmanabhan took over the administration of the college in the year 1971-72. The college was established with a clear vision and mission. The main objective of the college is to contribute to the transformation of prevailing social conditions, so that values enshrined in the constitution of India- social justice, equality of opportunity, democratic freedom to all, tolerance and respect to all religions- may be brought closer to realization, opening up to the people of our country with special emphasis on Kerala for greater possibilities of the existence of real human beings.

The institution is very much aware that the dimensions and quality of education keeps on changing with time, and its quality cannot be assessed by a single yard stick; rather it can be monitored through the change in national and global trends in teaching and research. It is important for any centre of higher education to know that true service lies in imparting education, inculcating moral values and motivating young minds towards research for the future not only of our country but of the entire world. The NAAC has developed certain measures for continuous improvement of the quality of

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higher education. In the present report we tried our level best to meet the demands as laid down by NAAC. The college is committed to the core values of NAAC.

Writing Self Study Report

It was impossible to complete this self study report without the whole- hearted support and co-operation of entire Sri Vyasa N.S.S. College family. First, I wish to thank our head of the institution, Dr. Subhashchandran, Principal of our College who entrusted me to prepare this Self Study Report (SSR). I am indebted to him for his constant support and encouragement during the preparation of SSR. I also wish to extend my thanks to the members of IQAC and to all those who directly and indirectly supported/helped me/us in preparing the Self Study Report (SSR).

I am very much keen to meet the Peer Team of NAAC during their forthcoming visit to our institution. Such occasion and interaction provides all of us; the management, faculty members, supporting staff, students and other stake holders to enrich our selves with their comments and suggestions.

We are eagerly looking forward to welcome the Peer Team and hope they will applaud us for our efforts.

With thanks and greetings.
Co coordinator, Steering Committee, Self Study Report

Sri Vyasa N.S.S. College, Wadakkanchery
NAAC Executive Summary

Criterion I: Curricular Aspects

Established by Jnana Ashram in 1967, Sri Vyasa N.S.S. College, Wadakkanchery is a postgraduate college run by Nair Service Society. Its mission is to train young men and women to become good citizens of the country, develop global competencies and the skills necessary for being successful in life.

The college has been following the semester system since 2009. The college offers eight undergraduate programmes, three postgraduate programmes and is a research centre for Chemistry. Further, there were also a number of add-on courses (Certificate, Diploma and Advanced Diploma) till 2008-09. The English Department in the college offers an Add On Course in Advanced Diploma in Communicative English. TEACH is another initiative by the department which aims at familiarising the new methods of teaching and learning English language to School students of the local community. EWE is another programme which aims at imparting communicative English training to the rural women of neighbouring panchayath.

The college provides an environment fostering research. In the last five years the college has spent a sum of Rs. 50 lakhs on procuring new equipments. It has also set up a Central Instrumentation Lab at a cost of about 30 lakhs. In addition, the Physics Department has a separate project lab for nanotechnology, set up at a cost of about one lakh.

The college has NCC and NSS, along with an Enviro club in the chemistry Department, Nature Club in Botany Department, ED club and Financial Literacy Cell in Commerce Department.

Project work, field trips, add on courses, *etc.* are the compulsory components

of various programmes. The college also invites experts from various fields as faculty. Facilities for providing computer skills exist in the college. To help the slow and disadvantaged learners, the college arranges remedial classes. There is a feed-back mechanism.

Criterion II: Teaching-Learning and Evaluation:

The college has an Internal Quality Assurance Cell (IQAC) that meets periodically to discuss the various issues regarding teaching-learning and evaluation. The process of admitting students to various programmes is transparent. Students are admitted by the university on the basis of their performance in a qualifying examination followed by an interview. However, the college follows the guidelines laid down by the Government of Kerala in matter of reservation. This is a co-educational institution, and in some disciplines the number of girls exceeds that of boys. There is also a reservation policy for differently-abled students. Free studentship is given to economically marginalized students.

The college offers a proper blend of academics and sports for the all-round development of students. Before the commencement of various programmes, there is an orientation programme in which the students are made aware of the traditions and objectives of the college. The college is sensitive to the needs of disadvantaged students for whom remedial classes, counseling and special classes during vacations are organized.

The academic progress of a student is carefully and continuously monitored. Group Tutorial system is introduced to give individual attention to the academic requirements of students.Great emphasis is laid on assignments and continuous internal evaluation. The college lays great stress on attendance. The college prepares both monthly and annual academic calendars. The teaching-learning method is increasingly becoming learner-centered. Free internet access is provided to students so that they can use it for self-study.

The college has a total of 39 Permanent government-aided faculty members, of which 16 are male and 23 female. There are 12 faculty members with Ph.D. and 7 with M. Phil. Degree. Thirteen teachers have currently registered for their Ph.D. Approximately 80% of the faculty members have participated in workshops/ seminars/ conferences and 67% of the teaching staff have presented their papers. There is also a self-appraisal system for teachers in place.

The schedule for examinations is published by the University Examination Department well in advance. The examination papers are coded.

Criterion III: Research, Consultancy and Extension:

A number of members of the faculty have been Ph. D. supervisors. Four major and 10 minor research projects of the UGC have been received by the faculty of the college.

In the last five years, UGC sponsored two national seminars and one state-level seminar and 18 work-shop/one day seminars have been conducted.

In order to encourage research, during the last eight years the college has spent Rs. 91,01,000 on the purchase of books, equipment and other infrastructural facilities. 12 research journals are available in the college library for the use of students and researchers. The college also subscribes ten on-line journals. There is a Central Instrumentation Facility Centre to facilitate higher level research in the institution. The faculty members of all the science departments have access to the infrastructure available at the centre. Two conference rooms and a large auditorium are there in the college to organize national and international seminars/conferences. The conference halls are equipped with multimedia projectors and other facilities for conducting events. Wi-Fi connectivity is available for students and teachers in the campus. The college has also taken an initiative to collaborate with other organizations for fostering research activities. For instance, it has signed a MoU with National Institute of Technology (NIT), Thiruchirappally to establish a working relationship for studies in

peptides and carbon nanotubes. Dr. K. P. Subhashchandran is conducting collaborative research with NIT in the field of peptides and carbon nanotubes. After the previous accreditation a sum of Rs. 30 lakhs has been received for conducting basic science research and various other research activities (including major & minor research projects). For instance, in the last five years, our faculty members have published a total of thirty two research papers and articles taken together. The faculty members have also published books during this period.

Outreach programmes are regularly organized by the college. 32 cadets of the college participated in Pulse Polio Campaign duty in 2011. A number of students of the college participated as volunteers in various events. Students of the NSS have organized tree-plantation programmes, blood donation camps, AIDS awareness programmes, street plays to highlight social evils and many other programmes of social relevance. The college promotes institution-neighborhood network through NCC, NSS, Nature club, Enviro club, ED club, Financial Literacy Cell, etc

For their on-the-job training, students of this college have visited various organizations like C-Met, Kerala Agriculture University, Kottakkal Arya Vydyasala, etc.

To encourage research activity, Cash incentive up to the tune of Rs. 20,000/- is given to faculty members for participating in seminars/conferences outs inside the country. Financial assistance for in the form of rail fare (Two/Three AC class) is given to the faculty for participation in national seminars.

Criterion IV: Infrastructure and Learning Resources:

The college is sufficiently well-endowed in terms of physical infrastructure. College is located on a sprawling sylvan campus rich in flora and fauna, Vyasagiri, a beautiful village, 15km away from Thrissur and 5 km from Wadakkanchery the nearest town. The College is situated in a 35 acres plot with 6143 sq. mts. of built-in area spread over in 6 buildings. It is presently offering

courses in 3 streams namely, Arts, Commerce and Science. At present the college has 27 classrooms out of which 22 classrooms are large in size; 11 classrooms are of moderate size and can accommodate up to 60 students. In addition to classrooms, the college has 03 audio rooms, 11 laboratories, 01 computer lab and one gas plant for the labs. Additional classrooms are being constructed in the main building for which the college has a budget allocation. The college has a central library. The bar coding of books in the library has been completed. There are other facilities such as cool and clean drinking water and wash rooms for students and the faculty. The college also has a health centre. The college has a placement and counselling centre too.

The college plans to provide transport facility in future in a phased manner. So far as the power supply is concerned, the college has supply from two govt. high-tension transformers and generators for power backup. The college has a canteen, a room for the visiting doctor. All the departments and the offices including the General Staff Room have intercom facility. For all academic activities, the college has the following facilities: multi-media projectors in classrooms, OHP, microphone facility in large rooms.

For encouraging the students to take part in sports, the college has a football ground and one volley ball court and gymnasium. The college also has a full-time qualified physical training instructor.

Criterion V: Student support and progression:

As mentioned earlier, the college has a well-equipped campus. Our results show that on an average 85% of our students are successful in the examinations.

In keeping with the vision of the college, which is to contribute

significantly in the development of the State of Kerala, the college always provides special assistance to students of disadvantaged groups in the form of remedial classes and counselling. In fact, counselling students is a regular activity in this college.

Criterion VI: Governance and Leadership:

The Principal, the various Heads of the Departments provide effective leadership enabling the college to fulfil its twin missions of excellence in education and empowerment of the weaker sections of society. Besides the Internal Quality Assurance Cell (IQAC) there are a number of committees to perform the various functions related to the college. The college also has a staff council with the Principal as its ex-officio President.

Criterion VII: Innovative Practices:

Over the years, the college has adopted a number of innovative practices, the particulars of which are given in the detailed report. The popularity of the college is indicated by the number of applicants for different courses that is going up every year.

In the various functions of the college, the core values of NAAC are reflected. For realizing the vision of making quality assurance an integral part of the functioning of an institution of higher education, the college subjects itself to periodic self and external evaluation. It also collaborates with the stakeholders for assurance and sustenance of quality in higher education. All the five core values of NAAC, that is, national development, fostering global competencies among students, inculcating a healthy value system, promoting the use of technology and quest for excellence are sought to be promoted by the various functions of the college.

Action taken in the light of the recommendations of the Peer Team which visited the college in 2007:

In the light of the recommendations of the Peer Team which visited the college in 2007 the following steps have been taken:

- Most courses are periodically reviewed and revised to make them relevant to the needs of the students.
- ICT has been planned in all courses, which has modified the teaching-learning methodology.
- New linkages have been formed with industry and research centres.
- To facilitate research a Central Instrumentation Centre has been established.
- A career counseling and placement centre is functioning in the college.
- A Grievance Redressal Cell and a Women Cell have been set up in the college.
- Syllabi are constantly reviewed by the University keeping in mind the nature of the competitive examinations that the students have to take.
- There is a health centre, with a visiting doctor at fixed times, in the college. First Aid facility is available at all times. For emergencies there is a Hospital near the college.
- Since the visit of the Peer Team in 2007, all administrative work has been computerized.
- The overall academic ambience in the college is much better today than what it was five years ago.

CRITERION I: Curricular Aspects

1.1 Curriculum planning and implementation

1.1.1. State the vision and mission of the institution.

<u>*VISION*</u>:

To empower society through knowledge and develop the skills of society, so as to equip it to face the challenges and needs of emerging world to offer equal opportunities to female students, so that they will be empowered to be effective leaders of society to create a generation endowed with a mindset for imbibing the winds of change for social transformation and finally make the products of this college conscious of their duty towards the country and fellow human beings.

MISSION OF THE COLLEGE:

- To appreciate and respect all faiths , foster self and community development and promote religious harmony leading to national integration
- To create a teaching - learning environment conducive to the pursuit of higher knowledge, relevant skills and experience
- To include new developments in education into the curriculum so as to promote academic advancement leading to national development
- To promote awareness on ecological and environmental issues
- To effect changes in the curriculum with information and communication technology
- To develop skilled personnel through vocational and entrepreneurial education
- To create research environment which can lead to consultancy and extension
- To sensitize the students on socio-economic issues (emphasizing on gender and human rights) by including related topics into the curriculum, and through co-curricular activities
- To insist on care and concern for each individual
- To focus on total formation of the individual to promote community development.

1.1.2. What are the goals and objectives of the institution? How are they made known to the various stakeholders?

Nair Service Society, a great social organization of long standing founded by Sri Mannath Padmanabhan, added Sri Vyasa N.S.S. College to the impressive list of educational institutions run by it in the beginning of the academic year 1971- 72. Originally established in 1967 as Sri Vyasa College, by the Jnana Ashram which have been doing great service in the spiritual field throughout the Country for several years, this institution has been catering, albeit in a modest way, to the higher educational needs of a large part of Thalappilly Taluk in a remarkable manner.

Objectives:

- To foster quality education and high moral standards
- To educate students of all sections of the society
- To incorporate the latest scientific and technological development in the curriculum
- To provide conducive environment for creativity & research
- To provide opportunity to both genders
- To develop the skills of students for better employment prospects

Motto is *excellence in any work*.

The goals are made known to the students and other stakeholders through
- College website
- Prospectus
- College handbook
- Brochure
- Alumni Association
- Students meetings
- Display in the college campus

1.1.3. How are the institution goals translated into the academic programmes, research and extension activities of the institution?

The college offers the following **academic programmes** at UG and PG levels

Govt. Aided Courses

UG Courses

Science Stream: B.Sc. courses are offered in the following subjects

1. Physics

2. Chemistry

3. Botany

4. Mathematics

Arts Stream: B.A. courses offered in the following subjects

1. English
2. Economics
3. History

Commerce Stream:

1. B.Com

Add-on Courses (up to 2008-09):

1. Clinical diagnostic Technology
2. Maintenance of electrical and electronic equipments
3. Computer hardware maintenance and networking

New Add –on courses

Advanced Diploma in Communicative English

PG Courses

1. Physics
2. Chemistry
3. Mathematics

- The curriculum in each subject is reviewed at regular intervals as per the recommendations of the Calicut University.

- Job oriented add-on courses such as Clinical diagnostic Technology, Maintenance of electrical and electronic equipments, Computer hardware maintenance and networking have been continued up-to 2008-09.

- A new add-on course in **Advanced Diploma in Communicative English is offered by Dept. Of English.**

- The add-on courses are conducted to produce skilled manpower

- The enrolment of girl students has steadily increased during the last five years

- More women faculty has been appointed which speaks volumes about the interest of the institution in fulfilling its goals.

- Women-related issues and topics have been incorporated in the curriculum for spreading greater awareness on these matters.

Research

- The college has laid particular emphasis on improvement of existing infrastructure and setting up of new infrastructure for the purpose of research activities. It has spent a sum of Rs. 50 lakhs for the procurement of new apparatus during the last five years.

- A central instrumentation lab has been set up at a cost of Rs. 30 lakhs to promote higher and quality research.

- All Science departments are equipped with basic Research facility.

- In addition to this, the Department of Chemistry is recognized as a Research Centre.

- All the departments are equipped with computers and round the clock internet connection to facilitate better quality research.

- The library is continuously enriched with new edition books related to emerging trends in various subjects.

1.1.4. What are the major considerations addressed by the goals and objectives of the institution (Intellectual, academic, training, access to the disadvantaged, equity,

self-development, community/ national development, ecology and environment, value orientation, employment, ICT introduction, global demands, etc.) ?

The goals and objectives of the institution address the following major considerations

a. Intellectual academic & training

- The college offers as many as four job-oriented courses, for the intellectual development of the students with the broader objectives of the semester system.
- A well equipped language lab has been set up to train the students in the English language
- 'On-the-job training' and project work in various subjects help to improve the skills of students

b. Access to the disadvantaged & equity

- Equity and equality is achieved by admitting students following the norms of reservation laid down by the government of Kerala

Self development/Community - National development/Ecology & environment.

- Self development is carried out through activities which are related to the curriculum as well as co-curricular activities

- As part of the extension activities, Dept. Of English is conducting two courses:
    1. TEACH (Teach English to All Children)- aims at familiarising the students of the neighbouring schools to new methods of learning English.
    2. EWE (Empower Women with English) – aims at giving communicative English training to rural women(house wives aged below 50 years and with basic English knowledge) of the nearby Panchayath.

- Clubs like Enviro club, Nature club, etc. are also involved in Ecology and environmental awareness
- Community services are carried out through NSS and NCC
- Women's Cell is entrusted with looking after the specific needs and guidance of female students

- Placement cell is entrusted with the responsibility of providing opportunity to the students for employment through interface with various companies
- Counseling and guidance for students is done by a qualified faculty member.

Value orientation/employment/ICT introduction and Global demand

- Value addition is provided through job-oriented courses, add-on courses like certificate/diploma and advanced diploma courses

- Value education and character building is carried out in accordance with the ideals of Society.

- To make the students employable, computer literacy and information communication technology (ICT) is being introduced in most of the subjects. Computers with internet facility have been made available in all the departments and library as recommended by NAAC.

- The curriculum is reviewed keeping in mind the multi-skill development so that the students become competent to meet the global demands

1.1.5. Does the curricula developed /adopted address the needs of the society and have relevance to the regional/ national developmental needs?

Yes, the curricula of the courses provided by the Calicut University and offered by the college strives to address the needs of the society, and the regional & national developmental needs

- All the courses aim at the overall development of the students with specific importance to employability

- A language lab has been set up to improve the communicative English skills of the students to meet the national and international demands

- ICT has been introduced to foster employment opportunities at all levels

- Project work and field trips are compulsory components in all subjects to make the students more aware with local, regional and national issues

- The PG course content in all the subjects is designed to enable students to take UGC - NET/GATE examinations

1.1.6. What percentage of courses focus on experiential learning, including practical and work experience for over all development of students and what measures have been taken in the curriculum design?

- 50% of the UG & PG courses have focus on experiential learning
- Most of the courses have compulsory field trip and/or Institutional visits

1.1.7. How employability is ensured through curriculum design? Does the institution focus on multi-skill development of the students, in its programmes?

The Curriculum for all the courses is provided by the affiliating university and is reviewed by the college to identify the gaps to have a focus on multi-skill development of the students for better employability.

- The suggestions & feedback relating to emerging employment opportunities from the experts are given top priority, keeping in mind the emerging trends in the fields.
- ICT is being incorporated as per the need.

- In addition to this, computer literacy has been made compulsory in all regular programmes

1.1.8. Is there a provision for computer skills to be incorporated in the curriculum for all students?

Yes, almost all subjects have introduced computer preliminaries in their curriculum by academic bodies.

1.1.9. List the twinning/ collaborative arrangements within and outside country for various programme offered?

The college does not have any twinning/ collaborative arrangements within and outside country for any programme.

1.1.10. How are the global trends in higher education reflected in the curriculum? How do they help in developing global competencies among the students?

The curricula of all the courses have been revamped to incorporate new topics by referring to the curriculum of leading universities and colleges in India so as to keep our students at par with their national counterparts and to develop global competency

1.1.11. What thrust is given to 'Information and Communication Technology' in the curriculum for equipping the students for global competition?

The importance of ICT at the global level is widely accepted.

- Every stream has a theory paper in Information Technology

- Add-on course - Certificate - in Communication is also offered

- Computers with internet facility are made available in all the departments to motivate staff and students to use ICT in an effective way

- The campus is equipped with Wi-Fi facility. Students are given facilities to access the internet

- On line journals can also be accessed in the departments as well as in Central Library

1.1.12. What are the courses aiming to promote value education/ social citizenship roles?

- Local festivals like Onam is celebrated to protect and promote the culture and tradition of the indigenous people of Kerala

- Due respect is given to the festivals of other faiths to uphold the values of secularism of our country

- NCC and NSS are actively involved in promoting the spirit of social relationship and Patriotism

- Patriotic song competition is organized by the college every year on the eve of the Independence Day

- College Annual Day is celebrated to promote excellence in academics

1.1.13. How does the institution involve internal and external academics and experts from industry (employees)/ service sector in the curriculum development process?

Curriculum development is done by the University and it involves internal and external academic experts from Industry/Service Sector in Curriculum review process (as per the university norms)

1.1.14. Specify the steps undertaken by the institution in the curriculum development process. (Need assessment, development of information database from faculty, students, alumni, employees and academic experts, and formalizing the decisions in statutory academic bodies.)

The curriculum development process is done as per the university norms only.

1.1.15. How Board of Studies ensure the currency and relevance of the programme offerings?

As per the norms of Calicut University

1.1.16. Are women issues incorporated in the curricula? If yes, what are the initiatives taken to introduce women related issues/ topics in the curriculum?

Yes, women's issues are incorporated into the curricula of the following courses.

1. History
2. Economics
3. English
   Issues and problems faced by women are given due importance in General papers of all degree courses.

1.2 Academic Flexibility

Only as per the norms of the University of Calicut

1.2.1. What is the range of programme options available to learners in terms of Degrees, Certificates and Diplomas? Give the cut-off percentages for admission at the entry level.

The college offers a wide range of degree courses at the UG and PG level:

The programme options include:

- ✓ 3 PG courses
- ✓ 8 UG courses

- ✓ 4 Add-on courses

1.2.2. Does the institution offer any self-financing programmes in the institution? List them.

No

1.2.3. How does the institution provide for flexibility in the use of a) Core options b) Elective options c) Supportive courses d) Allied courses e) Any other

As per the norms of Calicut university

1.2.4. Does the institution provide flexibility for combining the conventional and distance mode of education for students; seek the combination of courses they are interested in.

The college does not offer any distance mode of education for students, therefore conventional and distant education flexibility is not provided by the college.

1.2.5. Does the institution provide flexibility to students to move from one discipline to the other? Give details.

At the time of admission a science student may opt for either arts or commerce, and a commerce student may opt for arts. However an arts student is not allowed to opt for science. Some flexibility is allowed in vocational subjects. No flexibility is provided to students regarding change of discipline or subject after the completion of 1st Semester. However, they can change the discipline or subject before the completion of semester I. Henceforth a student must continue to study the subjects selected till the completion of the degree course.

1.2.6. Does the institution provide flexibility to pursue the programme with reference to the time frame (flexible time for completion)?

Yes

1.2.7. Does the institution have any provision for slow and disadvantaged learners? Give details.

Remedial/tutorial classes are conducted by respective departments for the slow and disadvantaged learners. The faculty members also provide counselling for such students. Scholar Support Programme is another initiative by Higher education department to assist the students who need additional classes and attention.

1.2.8. How does the institution identify slow and advanced learners? Explain how additional help is provided to the slow learners to cope with the programme? How are the advanced learners facilitated to meet the challenges?

The institution identifies slow and advanced learners through –

- Classroom performance
- Mid-term evaluation
- Marks obtained in End-Semester exam
- Interaction with the faculty within and outside the classroom
- Performance in the assignments, seminars and group discussions.

The slow learners are provided additional help by-

- Motivating and encouraging the student
- Taking special care to clarify the doubts

- Arranging an interface with advanced learners

- Remedial classes facilities

- Scholar Support Programme

For advanced learners –

- Encouraging them to take add-on courses

- Helping them to select advanced topics during seminars and projects

- Sending them to other institutions of higher learning for more practical exposure

1.2.9. What are the options available for students to take additional/ supplementary/ enrichment courses along with their regular curricula (e.g., Degree + a Certificate; PG degree + a Diploma)

The college offers four add-on courses for all the students, irrespective of their discipline, in addition to their regular curricula. Through these add-on courses a student may be awarded with a Certificate/ Diploma/ Advanced Diploma depending on the duration of the course.

1.2.10. What value added courses are introduced which would develop skills, offer career training and promote community orientation?

- All add-on courses are value-added courses which develop soft skills and entrepreneurial capacity.
- Computer awareness programme is available for all the students
- Language lab has been established for students to improve their communication skills
- Programmes like planting of trees, blood donation camps, AIDS awareness, street plays to highlight social evils, cancer awareness rally, road safety awareness, rally against drugs and liquor, pain and palliative care awareness and in connection with the add-on courses programmes like integrated health and environment, awareness classes, free medical camp, etc. enable the students to promote community orientation.

- Community orientation is also promoted through the service activities of NSS, NCC, Enviro Club and Nature Club, Entrepreneurial development club, and financial literacy cell

1.2.11. Does the institution provide facilities for credit transfer, if the students migrate from one institution to another within or outside the country?

The college is affiliated to Calicut University and needs to follow the pattern of the university. The university does have a credit system; hence there is provision for credit transfer in case of migration from and to other institutions.

1.2.12. State the curricular design and model adopted by the college in the organization of its curricula. Does the institution follow Annual system, Trimester System, Choice Based Credit System CBCS) or Semester system? Give details.

As per the norms of Calicut University

1.3 Feedback Mechanism

1.3.1. How does the college obtain feedback from a) students b) alumni c) employers/ industries   d) community e) academic peers?

The college obtains a three level feedback from all the stakeholders as well as the academic peers.

a) **Students** :

- Feedback is obtained from the students of Semester VI regarding the performance of teachers, teaching departments and institution in a structured manner.

- Grievance/ suggestion box is provided by the college to gather and address the various problems of the students. The Grievance Redressal Cell was established in accordance with NAAC recommendations to monitor this process.

b) **Alumni**:

- The alumni of College hold its meeting at least once a year and makes suggestions to the college authorities in various matters.

c) **Employers / Industries** :

- The students of some degree courses and post-graduate courses visit reputed institutions and organizations as part of doing their project work. Feedback and suggestions are obtained from these places.

d) **Community** :

- The college has a Parent-Teachers association. The representatives of various communities to which the students belong are present in the governing body and actively involved in decision-making. However, parents are welcome to give their suggestions and feedback.

e) **Academic Peers** :

- The academic peers who are involved in evaluating the answer books and conducting practical exams give their feedback. Some departments maintain a separate register to record their suggestions and feedback.

1.3.2. How are the feedbacks segregated, analysed and suggestions incorporated for improvement of the academic and administrative activities?

The feedback so obtained from different stakeholders of higher education are analysed by the Principal and later discussed in IQAC (Internal Quality Assurance Cell). The positive aspects as well as the negative aspects are taken into consideration in academic, administrative and financial reforms.

1.3.3. What are the initiatives taken by the faculty in the curriculum revision based on the feedback from the stakeholders?

Feedback from the stakeholders is taken into consideration by the faculty and they inform the board of studies through which these recommendations are forwarded to the university, which has the decision making power.

1.4. Curriculum Update

1.4.1. What is the frequency of syllabus revision?

The syllabus is revised at regular intervals by the Calicut University

1.4.2. How long does it take to introduce a new programme of study after it has been conceptualized?

As per the norms of Calicut University.

1.4.3. What is the composition of the Board of Studies? Specify PG and UG representations in the BOS, if there is one BOS for both?

- As per the norms of Calicut university

1.4.4. Does the institution use the UGC guidelines for developing or re-structuring the curricula?

The college is affiliated to the Calicut University which follows the UGC model syllabus and guidelines while developing and re-structuring the curriculum.

1.4.5. Does the institution refer national and international models for curriculum update?

Calicut University refers national and international models for curriculum update

1.4.6. What are the inter-disciplinary courses introduced during the last five years?

The college has started no inter-disciplinary courses during the last five years

1.4.7. How does the institution ensure that the curriculum bears some thrust on national development?

The institution has ensured that the curriculum has topics related to national development in the syllabi. New and emerging topics have been included to make the students aware of the current issues related to the country. Volunteers of NCC, NSS, Enviro club and Nature club, ED club, and financial literacy cell are actively engaged in various activities which add to their interpersonal and managerial skills, leading to the creation of high calibre human resource.

1.4.8. How are the existing courses modified to meet the emerging needs?

The curriculum is reviewed by the Calicut University based on the feedback of all stakeholders of higher education and by referring to the curricula of the courses of leading Indian and international universities to keep abreast with emerging needs.

1.4.9. Which courses have major syllabus revision during the last five years? (with change in title and of content)

From 2009 onwards Calicut University introduced CCSS for all Degree and P.G. Programmes. From 2014 onwards Calicut University introduced CUCBCSS.

1.5 Best Practices

1.5.1. What are the quality sustenance and quality enhancement measures undertaken by the institution during the last five years in curricular aspects with reference to curricular design and development/ academic flexibility/ feedback from stakeholders, curriculum update?

The following measures have been undertaken to improve the quality of education:

Curricular design and development:

- The curriculum of all UG and PG courses has been re-viewed by university.
- New elements in curriculum and teaching have been introduced to keep pace with the changing needs of higher education/ the industry/ job market.
- The current curriculum by university meets with local, national and global trends after the introduction of advanced and latest topics.
- ICT is being incorporated to make the students more employable.
- Work experience is included through practical/ projects/ field trip.
- Emerging topics have been introduced at the PG level to promote research aptitude in the students.

Academic Flexibility:

As per the university norms

Feedback:

- Feedback is received from stakeholders, academic peers, teachers and students on the designed curriculum.
- Feedback is also sought from students and alumni regarding the infrastructure and college atmosphere.

Curriculum Update:
- The curriculum is updated by the Calicut University on the basis of the periodic feedback received from all the stakeholders of higher education – academic peers, industry representatives, alumni, amongst others.
- The syllabi of foreign and leading Indian universities are referred by the Calicut University while re-reviewing the curriculum to make students competent to meet the national and global demands.

- Quality is sustained and enhanced by IQAC which assesses the feedback from various stakeholders and suggests measures for the same.

1.5.2. What innovations/ best practices in 'Curricular Aspects' have been planned and implemented by the institution?

As per the norms of Calicut university

1.5.3. What are the initiatives taken to introduce gender related courses/ topics in the curriculum?

As per the norms of Calicut University

1.5.4. What programmes are developed for differently-abled students and how is the same implemented?

The college does not offer any specific programme for differently-abled students.

1.5.5. What programmes are available for international students?

The college does not offer any specific programme for international students. If such students take admission, they would have to follow the programme options offered by the college, which follows the regulations of Calicut University.

1.5.6. What programmes are developed for adult and continuing education and distance education?

The college does not offer any adult and continuing education programme, and there is no provision for distance education programme. However, the NSS volunteers conduct few programmes to improve the lifestyles of local population. All students are imbibed with 'each one, teach one' motto.

CRITERION II: Teaching- Learning and Evaluation

2.1. Admission Process and Student Profile

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

The college ensures wide publicity in the admission process through

- Active website which is timely updated
- The Annual Prospectus
- Advertising in local/ regional / national Newspapers
- On-line application procedure

Admission to all the courses is done by University of Calicut and the transparency in the process is ensured by preparing the merit list, based on the Government norms and displaying the list of selected candidates on the college website and college notice board. In UG courses there is centralised ranking process by the university

2.1.2. How are the students selected for admission to the courses?

- Options from the students for various courses
- Selection based on marks and as per Govt.reservation norms

2.1.3. What strategies are adopted to create equity and access to

a) Disadvantaged community (SC/ST/ OBC)

The college has adopted the reservation policy of the Govt. of Kerala.

b) Women

- The college does not practice any discrimination on the basis of gender. Equal opportunities are given to both genders.
- In some disciplines girls outnumber boys.

c) Differently- abled

- Differently-abled students are given due consideration in the admission process, which is 3 % as per policy of the Govt. of Kerala.

d) Economically weaker sections of the society

- For the students belonging to the economically weaker sections of the society the Government introduced free ship.

- In the last five years, the college has given the free ship to the students as per Kerala Government rules.

- In the last five years, the college has disbursed govt. scholarship of
  Rs. 25,00,000 to the students

e) Athletes and sports persons

- The college believes in the all-round development of students through a proper blend of sports and academics. It admits sportspersons which in turn inspires the other students to engage in sports.

- Preference is given to those sports which are played in the college.

2.1.4. What is the ratio of applications received to admissions granted? (Demand ratio)

Demand Ratio

Sl. No.	Courses	Applications Received	No. of seats	Ratio
1	B.Sc. Physics	360	30	1:12
2	B.Sc. Chemistry	360	24	1:15
3	B.Sc. Botany	320	32	1:10
4	B.Sc. Mathematics	288	24	1:12
5	B.A. English	480	24	1:20
6	B.A. History	450	50	1:9
7	B.A. Economics	750	50	1:15
8	B.Com.	600	60	1:10
9	M.Sc. Physics	180	12	1:15
10	M.Sc. Chemistry	240	12	1:20
11	M.Sc. Mathematics	180	12	1:15

2.2 Catering to Diverse Needs

2.2.1. Is there a provision for assessing students' knowledge/ needs and skills before the commencement of teaching programme?

- Before the commencement of the teaching programme the students attend an Orientation Programme, in which they are informed about the traditions and objectives of the college.

- Orientation programmes are also organized at the departmental level to inform the students about the curriculum, examination pattern, general discipline and dress code etc.

- Students' needs and cognitive skills are assessed through interactions during the semesters.

2.2.2. What remedial measures are available for students hailing from the disadvantaged communities?

Students coming from disadvantaged and rural communities face learning difficulties especially due to their lack of communicative skills in English. A large number of students come from vernacular schools.

- The college has set up a language lab exclusively to make the students more proficient in English.

- Remedial classes are conducted by the various departments.

- Special coaching classes are conducted during vacations for the benefit of slow learners.

- Personal guidance by the faculty at all times helps the students to overcome their problems.

- To facilitate better understanding of course content bilingual method of teaching is adopted wherever necessary.

2.2.3. Does the institution provide bridge courses to the educationally – disadvantaged students?

The college attempts to bridge the gap between students of rural and urban backgrounds through the following measures:

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- Tutorials
- Counseling
- Remedial Classes in all subjects

2.2.4. What specific strategies are adopted for facilitating slow and advanced learners?

- An orientation programme for the students is held at the commencement of each academic year. The students are informed about the objectives of the institution as well as emerging trends in education and employment.

- Counselling is given by the faculty and HOD at the beginning of the course to motivate the slow learners to work hard, in order to get along with the other students.

The slow learners are provided additional help by-

- Motivating and encouraging the student
- Taking special care to clarify the doubts
- Arranging an interface with advanced learners
- Remedial classes Facilities
- Peer learning

For advanced learners –

- Encouraging them to take add-on courses
- Helping them to select advanced topics during seminars and projects
- Sending them to other institutions of higher learning for more practical exposure

2.2.5. Is there a practice of having tutorial classes for the students? If yes, for what courses?

Yes, tutorial classes are arranged by the respective departments for providing help to weak students.

2.2.6. Give details of the course by sessions of work assigned and implemented in the tutorial session?

Tutorial classes are conducted periodically and as per need of the students. Each session lasts for 1 hour. Tutor prepares the report of the tutorial meeting. A class committee meeting is also conducted in each semester.

2.2.7. Is there a provision for counsellors/ mentors/ advisors for each class or group of students for academic and personal guidance? If yes, specify.

Although there is no provision for counselling for each class or group, the college does make an effort to provide guidance to the students.

- Weaker students and slow learners are identified and appropriate advice and guidance is given to them.
- The dedicated faculty of the college are constantly encouraging and motivating the students to perform better through classroom activities.
- The college has deputed a faculty to counsel the students on various personal and other problems faced by them

2.2.8. How is the academic progress of each student monitored by the teacher in charge?

The academic progress is monitored collectively by the respective departments in the following ways:

- Attendance
- Classroom interaction
- Assignments/ group discussions /debate
- Seminars and quizzes
- Continuous internal assessment
- Mid-semester and end-semester marks
- Project work

2.2.9. What are the measures taken by the institution to cater to the needs of differently-abled students?

The college is sensitive to the needs of differently-abled students. For this purpose vehicles of such students can come up to the portico. Manual help is extended whenever they are in need.

2.3 Teaching-Learning Process

2.3.1. How does the institution plan and organize the teaching and learning evaluation schedule into the total institutional scheme/ Do you have an academic calendar? How is it prepared?

- A monthly academic calendar is planned/ prepared prior to the commencement of each academic year by the Principal in consultation with staff council members.
- The academic calendar (Hand book) is prepared so that teachers and students have prior information about the commencement of semester, number of working days, holidays and tentative dates for mid-semester and end-semester examinations.

2.3.2. What are the courses, which use predominantly the lecture method? Apart from classroom interactions, what are the other methods of learning experiences provided to the students?

The lecture method is predominantly used in all courses, providing sufficient time for interaction. However, there is provision for the use of audio-visual aids. Some of the rooms are equipped with multi-media projectors for the same.

In addition to classroom interactions, following are the other methods of learning experiences provided to the students:

- Seminars/ workshops
- Presentations/ Group discussions /debate
- Project work
- Field work

2.3.3 How is 'learning' made student-centric? Give a list of the participatory learning activities adopted by the institution, which contribute to self-management of knowledge development and skill formation.

The learning is made student-centric by the following methods:

- Providing reference books for self-study.
- Advance information about topics to be taught in the next class so that the students can come prepared for active discussion with teachers.
- Student seminars, group discussions, institutional visits and field trips.
- Practical and project work.

- Add on courses help in developing special skills.

- Library and ICT, internet facility and language lab for value addition

- Availability of learning resources (CDs and DVDs).

All the above enable the students to acquire competency in various subjects on their own.

2.3.4. What are the modern teaching aids used in classroom instructions as well as other student learning experiences? How are these used to facilitate modern information/ knowledge flow to students?

The use of modern teaching aids was recommended by NAAC. Efforts are made to maximize the use of such aids to improve the learning experience by the following means:

- Computers with internet facility in all departments
- Use of multi-media projectors
- Use of power point presentation
- Language laboratory

2.3.5. How do the students and faculty keep pace with the recent developments in the subjects?

The students and faculty keep pace with the recent developments through internet, books and journals. Faculty participate in workshops, seminars, symposiams, orientation and refresher courses. The college has central library for the benefit of the faculty and students, which have a comprehensive collection of books and journals. Each department has a computer with internet facility.

2.3.6 Are there departmental libraries for the use of faculty and students? Give details.

No, there is no department library.

2.3.7. Does the library have INFLIBNET/ DELNET facility? What percentage of the faculty uses these facilities?

DELNET facility, About 90%.

2.3.8. Does the library have a comprehensive collection of books and journals for all departments?

Yes, the college library has a good collection of books and journals.

- The central as well as the departmental libraries are continuously being upgraded and replenished with new books.

- Books related to emerging topics and modern trends are given due importance while purchasing new books.

- The college also subscribes many journals of national and international repute.

- 11 Periodicals and 13 magazines are also available for the students in the reading section.

Details of Books in the college library

Sl. No.	Subject	No. of Books
1.	General Reference	2584
2.	Economics	2724
3.	Commerce	1259
4.	English	2767
5.	General Sciences	557
6.	Mathematics	2129
7.	Physics	2842
8.	Chemistry	2504
9.	Biology	1457
10.	Hindi	1500
11.	Regional languages	4660
12.	History	1978
13.	Computers	120
	TOTAL	27,081

2.3.9. What are the various teaching-learning methods (lecture method, interactive method, project-based learning, computer assisted learning, experiential learning, seminars and others), used by the teachers for various subjects?

The various teaching-learning methods are as follows:

- Lecture method
- Interactive method
- Experimental learning (through practicals)
- Seminars/ workshops
- Assignments/ group discussions
- Project work/ field trip

2.4 Teacher Quality

2.4.1. What is the faculty strength of the college? How many positions are filled against the sanctioned strength? How many of them are from outside the state?

The college has a total of 39 faculty members, of which **16** are male and **23** female.

		Faculty from outside the State
Total no. of sanctioned posts (Govt. aided)	48	NIL
Posts filled against sanctioned posts	39	NIL
Management posts	NIL	NIL
Posts filled against Management posts	NIL	NIL
Guest lecturers	9	NIL

2.4.2. How are members of the faculty selected?

Faculty members are selected through a well-defined procedure.

- The vacancies are advertised in local and national newspapers.
- UGC qualification norms are followed while making appointments in both govt.-aided and management posts.
- The screened candidates are called for an interview.
- The interview board is comprised of the Principal, a government nominee, one external subject expert and management representative (as per Government rule)
- Based on the performance in the interview a panel is prepared.

- The selected candidate is appointed initially on probation for one year.

- The college forwards the appointment for concurrence from the government of Kerala and for final approval from the university Syndicate. This procedure is mandatory for substantive posts aided by the government.

- The college management also makes appointments on temporary/ part-time basis to make up for the shortfall of teaching strength in some departments

2.4.3. Does the college have the required number of qualified and competent teachers to handle all the courses for all departments? If not, how do you cope with requirements?

Yes, the college has required number of qualified and competent teachers to handle all the courses for all departments.

- All appointments to teaching posts are made following UGC norms for appointments.

- Competency is ensured by motivating the teachers to attend faculty development programmes such as Orientation/ Refresher courses, workshops, seminars and symposia.

- At present the total permanent faculty strength of the college stands at **39** of which **39** are govt.-aided .

2.4.4. Do you appoint substitutes/ additional faculty to teach existing and new programmes? How many such appointments were made during the last year?

Yes, the college has appointed guest faculty to teach in the existing and new programmes.

- **9** additional faculty members were appointed in various departments on temporary/ part-time basis or as guest faculty.

2.4.5. What percentage of the teachers has completed UGC- CSIR, NET and SLET exams?
17 out of **39** teachers have qualified UGC- CSIR, NET and SLET exams which come to **45 %.**

2.4.6. What efforts are made by the management to promote teacher development? (eg. Research grants, study leave, deputation to national/ international conferences / seminars, in-service training, organizing national / international conferences etc?)

The management does not have an official programme/ policy for teacher development. However, it motivates the faculty to take up individual initiatives.

Research grants

The management does not extend research grants to the faculty.

Study leave

Study leave is permissible as per university statutes.

Deputation to national/ international conferences / seminars

The management encourages the faculty to attend national/ international conferences / seminars. Duty leave is granted for the same.

In-service training

No in-service training for teachers was organized during the last five years.

Organizing national / international conferences

During the last five years conferences/seminars were organized in the college, by different departments to comply with NAAC recommendations.

S.No.	Department	National	State	One day Seminar/Workshop
01.	English	✓		2-day seminar (UGC-sponsored)
02.	Commerce	✓		2-day seminar (UGC-sponsored)

2.4.7. What are the teaching innovations made during the last five years? How are innovations rewarded?

Innovative methods are being adopted by the faculty in teaching methods.

- Use of ICT has increased. Smart classes are being used for teaching and seminar presentations.
- Students are encouraged to make power point presentations.
- The innovations have gained much interest and appreciation from students. Appreciation of the students is the highest form of reward for the teachers.
- The college does not have a system of rewarding the teachers as it believes that all the teachers are dedicated and hardworking.

2.4.8. Does the institution have representation of women among the staff? What percentage?

The representation of women among the staff has increased during the last five years. At present the number of permanent women faculty stands at **23** which is approximately **60 %** of the total permanent faculty strength.

2.4.9. List the faculty who have been recognized for excellence in teaching during the last five years?

UGC Research award 2006-09 was bagged by Dr. K. P. Subhashchandran.

2.4.10. List the faculty who have undergone staff development programmes during the last five years (refresher courses, orientation programmes and staff training conducted by the university and other institutions)

Sl No.	Name of the faculty	Refresher Course	Orientation Course	Staff training Programme
1.	Mrs. K. Hasetha		✓	
2.	Dr. Jyothirmani Vatakkayil		✓	
3.	Dr. Pradeepkumar K		✓	
4.	Sanesh.c		✓	
5.	Uma Parvathy.v		✓	
6.	Dr.M.M.Dhanya		✓	
5.	Dr.Sreenivas.V.K		✓	
6.	Annapoorna Iyer		✓	

2.4.11. What percentages of the faculty have served as resource persons in Workshops/ Seminars/Conferences and presented papers during the last five years?

Approximately **50%** of teachers have served as resource persons in workshops/seminars/conferences and presented papers during last five years.

DR. K.P.SUBHASHCHANDRAN

1. As resource person in International seminar at Christ College, Irinjalakuda - Nano-technology and nano materials, current status and emerging trends.

2. As resource person in international seminar at PSG College of Engineering, Coimbatore – Synthesis characterization consolidation and modelling of nano materials.

3. As resource person in national workshop – Christ College, Bangalore – Building research capabilities.

4. As resource person in national seminar at St. Mary's College, Thrissur.

DR. P. GEETHA (Department of Hindi)

1. Judge in Hindi competitions in SSUS Kalady Youth Festival on 25th, 26th, 27th, Oct.2005

2. Judge in Hindi Competitions in Bhavan's Cultural Fest 2012.

3. Subject-Expert in various selection committees of schools and colleges.

4. Inaugurated the activities of Women Cell in P.M. Govt. College, Chalakkudy and delivered key note address.2012

5. Inaugurated the activities of Hindi day celebrations of Navodaya Vidyalaya, Rubber board, and various schools.

6. Resource person in Ankanam Vanitha Katha Camp.

7. Taken a class in the one-day workshop conducted by Sarva Siksha Abhiyan, Block Resource Centre, Chalakkudy in connection with international women's day celebrations at GLPS East Chalakkudy.2013

8. Inaugurated the Conference of Guruvayoor-Region Balagokulam and delivered a key note address.

9. Inaugurated the personality development class conducted by 'Samanvaya club' Kolazhi.2011

10. Felicitations in the Bharath. P.J.Antony Award Ceremony conducted by PART TCR, in the year 2009, 2010, 2011, 2012, 2013 at Sahitya Academy.

11. Resource person of Ramayana seminar conducted by Sahrudaya Samithi. participation and presentation in seminar & workshops.

DR. V. K. SREENIVAS (Department of Botany)

Subject expert for the selection of project staff in a UGC aided Major research project in Marthoma College, Thiruvalla.

DR. PRADEEPKUMAR K

1. "Humanistic Concerns in the Poetry of Ulloor. S.Parameswara Iyer" Centre for English Research and   Studies, Thrissur on 22 Sept,2012.
2. "Environment Praxis and English Literature." Kerala Agricultural University, 5 June, 2012.
3. "Transnationalism and Modernity in Rabindranath Tagore" One Day Seminar, Dept of History, SVNSS College, Wadakkanchery. 23 March 2012.
4. Guest Speeches at All India Radio Thrissur on various topics.
5. Delivered an invited lecture on "Scientific awareness and Youth" in connection with Trainees Council Inauguration of Govt. ITI, Desamangalam (19.02.2014)
6. Delivered an invited lecture on "Scientific temper and Youth" in connection with community camp of teacher trainees Govt. Institute of Advanced Studies in Education, Thrissur (Nov. 2013).
7. Subject expert for the selection of faculty in IHRD College of Electronics, Chelakkara (June 2013 & June 2014).

DR. R. MANU PANICKER

1) Delivered an invited lecture on title **"Surface profiling of exotic materials using XPS (**X-ray photoelectron Spectroscopy) in connection with **Hydrogen Energy and Advanced Materials (HEAM Scientist)** conference held at Department of Chemistry, Univ. of Kerala, Kariavattom campus, Thiruvananthapuram on 11-12 December-2013

2) Delivered an invited lecture on title **"Surface profile using XPS (**X-ray photoelectron Spectroscopy) in connection with **Hydrogen Energy and Advanced Materials (HEAM)** conference held at **Mar Ivaneous College,** Nalanchira, Thiruvananthapuram during 6-9 November -2013.

3) Delivered a talk as key note speaker on title **"Recent progress in Electrochemical research" in connection with Science day celebration at Raju`s College of Arts and Science, at Rajapalayam, Tamilnadu on 28 th Feb. 2013**

4) Delivered a talk as invited speaker on title **"Electrochemistry: Concepts to Applications" Govt. College, Kasaragod, Kerala, Recent Challenges and Progress in Chemistry-2012, (RCPC)- Feb. 16-18, 2012**

SANESH C

1. Resource person for Securities Exchange Board of India [SEBI] for financial education activities all over the society.

2. Resource Person for School of Distance Education for M. Com at Govt.college, malappuram

3. Handling career guidance classes for students in commerce stream.

4. Resource person for Nair service society Human Resource cell for Pre marital counselling.

5. Subject expert for the selection of faculty in IHRD College of Applied science, Chelakkara (June 2013 & June 2014).

DR. VIJAYALAKSHMI AMMA

Delivered an invited talk on Biogas plant- benefits in Mampad MES college, Mampad and Govt. model residential school, Wadakachery.

2.4.12.What percentage of the teaching staff have participated in Workshops/ Seminars/ Conferences and presented papers during the last five years?

Approximately **90%** of the teaching staff have participated in workshops/ seminars/ conferences and 60% of the teaching staff have presented their papers.

2.4.13. Has the faculty been introduced and trained in the use of a) Computers b)Internet c)Audio-visual aids d)Computer aided Teaching Packages

Almost all the faculty members are familiar with the use of computers and internet. Those who are not, are motivated to acquire competency in this indispensible field. ICT enabled methods are used in teaching by majority of the faculty members.

2.5 Evaluation Process and Reforms

2.5.1. Does the college evaluate teachers on teaching and research performance? How does the evaluation help in the improvement of teaching and research?

The college has a mechanism for obtaining feedback from the students.

- A Performa for feedback is circulated among final year UG and PG students to evaluate the performance of the teachers.

- A three level feedback method is used to evaluate faculty members, teaching departments and institutions
- Evaluation of teachers is also done by the Principal.

2.5.2. Has the institution introduced evaluation of teachers by the students? How is the feedback analyzed and implemented for the improvement of Teaching and Learning?

Yes, the college has a mechanism for obtaining feedback from the students.

- A Performa for feedback is circulated among final year UG and PG students to evaluate the performance of the teachers.

- The students evaluate the teachers on performance in teaching, use of teaching aids, punctuality, and completion of syllabus, knowledge input, motivation and other aspects of teaching-learning process.

- The feedback obtained is analysed by the Principal and management to find out the strengths and weaknesses of the teachers.

- Adverse reports are intimated to the respective teachers with suitable suggestions for improvements.

  This practice has helped the teachers to improve their overall performance.

2.5.3. Does the institution promote self-appraisal of teachers? If yes, how often?

- Self-appraisal system exists for teachers once in every year.
- Self-appraisal is mandatory while applying for promotion to higher grade or position.

2.5.4. Is the appraisal by the teachers reviewed by the head of the institution and used to improve the quality of teaching?

Yes, necessary directions are given to the teachers by the Principal to improve the quality of teaching and to undertake research work for quality publications.

2.5.5. Does the institution have an academic audit of departments? Illustrate.

Academic audit of all the departments and quality assurance is carried out through IQAC.

- IQAC provides guidelines to all the departments to incorporate new components in the methods of teaching.
- IQAC also deliberates on the allocation of funds to the respective departments and upgradation of infrastructure.

2.5.6. Based on the recommendations of the academic audit what specific measures have been taken by the institution to improve the teaching, learning and evaluation?

The college has taken the following measures on the recommendations of IQAC.

- Computers with latest configuration and internet facility have been provided to all the departments.
- Use of technology has been increased in the teaching learning process.
- Self study component has been incorporated in all the courses.
- Language lab has been set up to improve the communication skills of the students.
- Wi-fi facility has been extended to the students who can get information regarding higher courses besides enhancing their knowledge.
- Continuous Internal Assessment (CIA) through assignments, seminar, along with mid-semester evaluation.
- All the students are given a handbook in which all the information regarding vision and mission of the college, courses offered, faculty information, rules and regulations of the college, tentative dates of examinations, rules regarding promotion to the next semester, and holidays are provided.

2.5.7. How does the institution monitor the performance of the students? (Annual/ Semester Exam, Trimester Exam, Mid-term Exam, Continuous Assessment, Final Exam, etc.)

The institution monitors the performance of the students in the following ways:

- Attendance records for the semester are displayed on the departmental notice boards. 75% attendance is mandatory for any student to take the end-semester exams.

- Two Mid-semester exams and test papers are conducted every semester and the results are displayed on the departmental notice boards.

- The answer scripts are also shown to the students to help them to analyse their mistakes.

- Seminars held at the level of the department enable the students to make use of technology. Instant feedback is given by the faculty to make them aware of their shortcomings.

- Assignments and project work are evaluated by the teachers and necessary suggestions are given to the students.

2.5.8. How is the evaluation methods communicated to students at the beginning of the year?

All information regarding examinations and evaluation is communicated to the students:
- Through the college handbook given to each student at the beginning of the academic year.

- Notices, issued by the examination department to various departments are also displayed on all notice boards from time to time.

- Information regarding curriculum for the semester and pattern of question paper and distribution of marks is displayed on the departmental notice boards.

2.5.9. What is the method of evaluation followed? (Central, Door, Double evaluation, etc.)

Done by University

2.5.10. What is the mechanism for Redressal of grievances regarding evaluation?

- If a student feels that the marks awarded are not up to his/her expectation he/she may apply to the University for scrutiny in that paper with prescribed fee within 15 days of the declaration of results

- Scrutiny implies re-totalling and checking of unevaluated parts only. It does not imply re-evaluation of the entire answer book.

- He/she can apply for revaluation also.

2.5.11. When are the examination results declared? Give the time frame.

Done by university.

2.5.12. Does the institution communicate to the parents regarding the evaluation outcome? Describe the weightages given to assignments/ seminars/ dissertation/ field work and written exams?

The institution officially communicates the results to the parents. However, plans are afoot to post the results on the college website so that the parents can find out about the performance of their wards.

Field work/ projects are part of the practical exam papers of all subjects. Due weightages is given according to the distribution of marks as described in the university syllabus.

2.5.13. Explain the functioning of the office of the controller of examinations.

The college has an exam cell with one Associate Professor who looks after the day-to-day functioning of the examination department. Their work involves

- Conducting Mid-Semester exams

- Printing the question papers and answer books
- Getting the evaluation done on time
- Tabulation of marks
- Conducting Examination Committee meetings

2.5.14. How long has the current system of evaluation been in practice?

The current evaluation system has been in practice since the inception of the college. However, it is subjected to change as per the university norms.

2.5.15. Has the institution carried out any evaluation reforms? If yes, what are the reforms made with reference to evaluation? (Peer evaluation, Double evaluation, open book examination, Question Bank, moderation, internal assessment, etc.)

The college has introduced the following evaluation reforms:

- Peer evaluation
- Question bank
- Internal assessment

2.5.16. How is the evaluation process made transparent? Illustrate the different stages of evaluation till the declaration of results.

Transparency is maintained in the evaluation process through the following:

- Names of question setters and examiners are recommended by the HODs and the Principal appoints them accordingly.

The different stages of evaluation till the declaration of results are:
- Appointment of the question setters and examiners as per the recommendations of the HODs.

- Tabulation of the received marks.

2.5.17. Mention the number of malpractice cases reported and how they are dealt with (average per year)

Year	Number
2007	1 (Reported to the University)
2008	2 (Reported to the University)
2009	2 (Reported to the University)
2010	3 (Reported to the University)
2011	1 (Reported to the University)
2012	2 (Reported to the University)

If a student is caught using unfair means, the invigilator seizes his/her answer book and reports to the chief superintendent along with the answer book and other related material(s). As per the rule it will be referred to the controller of examinations and he/she may be debarred for a year. He/she is allowed to continue as per the university norms.

2.5.18. Does the college provide the photocopy of answer scripts to students? Give details of the practice.

There is no provision for providing photocopy of answer books to the students.

2.5.19. Give details regarding the computerization of the examination system.

As per the university norms

2.5.20. What are the measures taken by the institution to ensure security and confidentiality of the evaluation system?

The exam department conducts the exam strictly as per the instructions given by the Parent University and the papers are despatched to the university.

2.6 Best Practices in Teaching, Learning and Evaluation

2.6.1. What innovations/ best practices are followed by the college with regard to teaching, learning and evaluation, with reference to admission process, student profile/ catering to diverse needs/ teaching-learning process/ teacher quality/ evaluation process and reforms or any other quality initiatives?

Admission Process

Being a pioneering institution in the region, many courses are offered to cater to the diversified needs of the students.

- The process of admission starts immediately after the declaration of the CBSE/ICSE/State Board results as per the university guidelines.
- The selection list for admission is prepared following the reservation policy of the Govt. of Kerala.
- Efforts are made to complete the admission procedure by the end of June to ensure timely commencement of the academic session from July.

Student Profile

The number of women students has gone up considerably during the last five years, which speaks volumes of the institutions sensitiveness towards gender equality.

Catering to the diverse needs

Although the college is run by NSS, the college caters to all sections of the society by ensuring fair representation in admissions to all.

Teaching learning process

Teaching Learning process has been improved through the following strategies:

- Interactive teaching sessions
- Use of ICT, OHP and LCD
- Providing internet facility in the departments and library
- Remedial classes
- Introduction of Language lab
- Promotion of self-study
- Project based learning

- Subscription of online journals
- Student centered learning
- Students assignments and seminars

Teacher quality

- Appointment of qualified teachers (as per UGC norms) i.e. NET/SLET/PhD
- Encouragement to teachers to attend Orientation/Refresher Courses
- In the aided stream **12** teachers out of **39** have Ph.D. as their highest academic degree (approx. 35%) and **7** have M.Phil. as their highest academic degree.
- All staff members are actively involved in research and publication.

- In the last five years **09** teachers have got their minor research project grant from UGC Regional Office, and 0**2** teachers got their major research project grant from UGC and other funding agencies.
- Majority of the staff members are acquainted with the use of ICT.

Evaluation process and reforms

- Examination section is entirely computerized.

- Continuous evaluation of a student is done through assignments, seminars and mid-semester exam besides project work in some departments.
- Mid-semester exam answer books are shown to the students in all departments, to make them aware of their mistakes.
- The pattern of question paper is so as to test the all round knowledge of the subject.

Quality Initiatives

- Hi-tech teaching learning methods
- Feedback of the students is taken from external examiners, especially during practical exams.

CRITERION III: Research, Consultancy and Extension

3.1. Promotion of Research

3.1.1. Describe various steps taken to encourage research by the faculty (by providing seed money, grants, and other facilities)?

The college is guided by the parent university regulations for research which does not allow the registration of M. Phil/Ph.D. research scholars at the college level. All research is carried out under the aegis of University of Calicut.

After the previous accreditation in 2006 the college acted upon the recommendations of NAAC to improve the research environment in the college.

- The college allows and encourages its faculty members enrolled in research activity to use the infrastructure such as laboratory, Library, equipments, electricity etc.

- The teachers are motivated to apply for UGC/DST sponsored major and minor research projects, conduct conferences, seminars, workshops at the national and the international level. It also encourages the faculty members to attend the same for which college has pledged TA/DA as admissible.

- The college has set up a Central Instrumentation Facility centre, with 24 hrs electricity supply, at a cost of **Rs.30 Lakhs** where modern research equipments are lodged.

- As a result of this motivation five faculty members are registered for their PhD and three faculty members have enrolled themselves as supervisors for guiding PhD during the last five years.

- A total sum of **Rs. 45 Lakhs has** been received by faculty members from UGC/DST/KSCSTE for Major Research Project and has been 8.5 Lakhs received by faculty members from UGC/DST for Minor Research Project during the last five years.

- At the beginning of each academic year the college allocates Rs. 15,000.00 to the various departments to conduct seminars/workshops. More than this amount can be used by the departments if funds permit.

- In last five years the following departments conducted W/S & seminars. During the last five years conferences/seminars were organized in the college, by different departments.

Sl. No.	Department	National	State	One day Seminar/Workshop
01.	English	01		Seminar
02.	Commerce	01		Seminar
03.	Botany		01	Seminar
04.	History		01	Seminar
05.	Physics		01	Seminar
06.	Chemistry		01	Seminar
07.	Mathematics		01	Seminar
08.	Economics		01	Seminar

- The faculty members are encouraged to undergo any faculty improvement programme which would help them to complete their M.Phil/ PhD.

This continuous and constant encouragement by the college has yielded the following results.

- One faculty member has Post Doctoral as their highest degree
- twelve faculty members have PhD as their highest degree
- seven faculty members have MPhil as their highest degree
- Nine faculty members have registered for their PhD
- Three faculty members enrolled themselves as supervisors for the guidance of doctoral thesis.

3.1.2. Is research a significant activity of the college? How does the institution promote faculty participation in research and recognize faculty for guiding research?

Yes. The college encourages research by motivating the faculty members who do not posses MPhil/PhD degree to enroll themselves and complete their thesis at the earliest. The college encourages their faculty members to undertake major research project of DST/DBT with more social impact and scope.

The college has no objection to faculty members who are eligible and willing

to supervise research for doctoral thesis as per the guidelines of University of Calicut.

3.1.3. What provision is made in the budget for research and development?

The college has spent the following amount **for** purchase of books, equipments and other infrastructural facilities. Particulars of budget allocation is

Year	Books	Equipments	Infrastructural facilities	
			Improvement	Maintenance
2006-07	1,10,000	2,10,000	60,000	50,000
2007-08	1,60,000	12,18,000	25,000	25,000
2008-09	1,30,000	25,25,000	25,000	30,000
2009-10	1,25,000	12,15,000	30,000	40,000
2010-11	1,20,000	2,18,000	1,00,000	52,000
2011-12	5,0000	12,0000	100000	75000
2012-13	75000	2,00000	2,00000	1,00000
2013-14	12,5000	2500000	300000	100000
Total	895000	8206000	840000	472000
GRAND TOTAL		**10413000**		

3.1.4. Does the college promote participation of the students in research through the academic programme?

- Research aptitude is also developed among students through Project Work/Seminars and Workshops.

- The PG and UG students are also encouraged to present a paper /topic in seminar/symposia organized at departmental level.

- The PG students are getting timely information on National/International Seminars/science congresses and other various scientific programmes and fellowships.

3.1.5. What are the major research facilities developed and made available on the campus?

- The college has set up a Central Instrumentation Facility Centre to facilitate higher level research in the institution. The faculty members of all the Science departments will have access to the infrastructure available at the centre for research activity. This centre was commissioned with the following facilities.

Sl.no.	Item detail	Cost in Rs.
01.	FT Infrared spectrometer	10 lakhs
02.	Differential scanning colorimeter	8 lakhs
03.	UV visible spectro photo meter	0.75 lakhs
04.	Rota vaccum evaporator	4.5 lakhs
05.	Coramel reacting work station	3 lakhs
06.	Electronic balance	0.75 lakhs
07.	Electronic centrifuge	0.50 lakhs
08.	Cathode ray oscilloscope	0.25 lakhs
09	Binocular microscope with camera	3.50 lakhs
	Total	**31.25 lakhs**

- All the departments are provided with a Computer and internet facility with round the clock access.

- Journals, magazines and books of national and international repute are available in the college library for the use of students and researchers.

- The Library is kept open from 9 a.m. to 5 p.m. in all office working days.

- Two Conference rooms and a large auditorium are available in the college to organize any national and international seminar/conference. The conference halls are equipped with multimedia projectors and other facilities for conducting successful events.

- Network connectivity is available for students and teachers in the campus.

3.1.6. Does the college subscribe to research journals for reference as per the departmental requirements?

Yes. The college has subscribed to **12** international journals, national journals, magazines and periodicals to meet the requirements of all the departments.

The college has also subscribed to 10 online journals from 2009 which include 2236 titles and 03 e-books to enable the staff to carry out research effectively and for updating knowledge.

3.1.7. What are the initiatives taken by the institution for collaboration with other research organizations and industry?

The college has signed MoU with GMRF (Grey Matter Research Foundation, NIT campus, Thiruchirappilli)

3.1.8. Is there a research committee to facilitate and monitor research? Give details.

There is no committee to look after research activity at the college level. As per the guidelines of University of Calicut doctoral level research will be monitored by the respective Postgraduate departments of the University. However, faculty members may pursue research activities on their own initiative in the college.

3.2 Research and Publication Output

3.2.1. Give details of the ongoing minor and major projects?

Sl. No.	Major research Projects	Amount Received
1	Fictionalization of carbon nano-tubes with peptides for designing ultra sensitive diagnostic tool – funded by DST under wos-A schedule	18,00,000

2	Development of cross linked beaded form of agarose for affinity chromatography – funded by KSCSTE	11,00,500	
3	Cost effective synthesis of peptide designer molecule – UGC funded	9,89,000	
4	Studies on the pteridophyte flora of Peechi-vazhani wildlife sanctuary, Kerala by KSCSTE	20,31,600/-	

Sl. No.	Minor Research Project	Amount Received
1	Civil Society Formation in Malabar: The Role of The Servants of India Society (UGC)	90,000
2	Voice of Dissonance in Patriarchal Domesticity: A Reading on the Women Character in Nayantara Sahgal's Novels (UGC)	95,000
3	Mahatma Gandhi National rural employment Guarantee Scheme and women empowerment: with special reference to Guruvayur township (UGC).	60,000
4	"A Study of the Evolution of Literary Ecology in Malayalam Literature and its Impact on the Eco-politics in Kerala with Special Reference to the Novels *Nellu, Marakkappile Theyyangal* and *Athi* "(UGC).	1,25,000
5	Adsorption of Fluoride onto Nd_2O_3 & Nd_2O_3 suppoted on Al_2O_3 fund Rs. /-U.G.C Minor project	1,20,000
6	Studies on the identity of *Pteris quadriaurita* Retz. Complex in South India (UGC)	1,23,000
7	Pre-treatment methods to enhance biogas production	1,65,000
8	A study of personal management in Kerala state Road Transport Corporation (KSRTC)- (UGC)	50,000
9	Comparative studies on e-banking service between nationalized and private banks.	50,000

3.2.2. Does the college have research funding from the Government, Industry, NGO or International agencies? Give details.

Yes, TEPP and TDB funding from DST

3.2.3. Does the college have research students currently registered for MPhil & PhD? Give details of number of MPhils/ PhDs awarded during the last five years?

Five research students registered for M. Phil from different University. 8 students are registered for Ph.D. from different Universities .Three registered in the University of Calicut, four registered in Bharathiar and one in JNCAR.

3.2.4. Does the college provide fellowship/ scholarship to research scholars?

The college does not have any provision to provide fellowship to research scholars.

3.2.5. Does the college have post-doctoral fellows currently working in the institution?

Yes, One under the guidance of Dr. K.P. Subhashchandran .

3.2.6. Give highlights of the collaborative research conducted by the faculty.

Dr. K.P. Subhashchandran has done collaborative research with Greymatter Research foundation. Science park of NIT Trichy in the study of Confluence of nano technology with peptide chemistry.

3.2.7. What research awards and patents were received by the faculty during the last five years?

The college faculty did not receive any patent during the last five years. However, some members of the faculty have received other kinds of honours and awards

3.2.8. Are there Research papers published by the faculty in refereed journals periodically? If yes, specify.

In the last five years faculty members have actively contributed their research articles in refereed journals periodically. The list is as follows:

Sl. No.	Name of Faculty	Department	No. of Publications
	Dr. K. P. Subhashchandran	Chemistry	9
	Dr. Devikarani	Chemistry	1
	Dr. Vijayalakshmi Amma	Chemistry	6

	Dr. R. Manu Panickar	Chemistry	19
	Mr. K. Susheel Rahul	Physics	1
	Mr. K. M. Devadas	Physics	7
	Dr. V. K. Sreenivas	Botany	9
	Dr. Anoop K	Botany	2
	Dr. Pradeep kumar	English	7
	Mrs. Uma Parvathy	English	1
	Mrs. Annapoorna Iyer	English	1
	Mr. Unnikrishnan	English	3
	Mrs. Athira Ramachandran	English	3
	Dr. Jyothirmani Vatakayil	History	7
	Mr. Sanesh C	Commerce	2
	Dr. P. Geetha	Hindi	14
	Dr. Dhanya M M	Sanskrit	5

3.2.10. Furnish details about citation index/ impact factor of publication by the faculty.

S. No.	Name	Department	Ave. Citation Index
1.	Dr. R. Manu	Chemistry	2.06

List of publications by the faculties:

DEPARTMENT OF BOTANY

Dr. ANOOP K

1. Host range study of turmeric rhizome rot pathogen *Pythium aphanidermatum* on selected Zingiberaceae members Anoop K. and Suseela Bhai R.(2013) International Journal of Research in Pure and Applied Microbiology 3(4): 113-115.

2. Evaluation of antagonistic potential of indigenous *Trichoderma* isolates against *Pythium aphanidermatum* (Edson) Fitz. causing rhizome rot in turmeric (*Curcuma longa* L.). Anoop K. and Suseela Bhai R. (2014) Journal of Science 4(2):99-105

Dr. V. K. SREENIVAS

Abstract Published:

1. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2010. Food Resources and other Economically Important Pteridophytes. *Proceedings of National Seminar on Health, Food & Agro- Biodiversity- Changing Paradigms*, 12- 14 February 2010, Kozhikode. Pp. 104.

2. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2014. Spore morphology of the genus *Pteris* in South India. Biodiversity conservation: Trend and Need. *UGC-Sponsored National Seminar, 5ᵗʰ -7ᵗʰ March 2014*. St. Thomas College, Thrissur.

Papers Published:

1. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2010. The genus *Pteris* L. (Pteridaceae) in Kerala. *Proceedings of 22ᵗʰ Kerala Science Congress*, 28-31 January 2010, KFRI- Peechi, pp. 866- 868.

2. Madhusoodanan, P. V. & **Sreenivas, V. K**. 2010. Biological Nitrogen Fixation. *Sastradyuthi* 1: 54-60.

3. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2010. *Pteris multifida* – a new record from Peninsular India. *Acta Botanica Hungarica* 52: 425-427.

4. **Sreenivas, V. K.,** Jisha, V. N., Martin, K. P. & Madhusoodanan, P. V. 2011. *Bridelia stipularis-* a new source for anthocyanin production *in vitro*. *Acta Phisiol. Plantarum* 33: 2051–2056.

5. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2012. *Pteris reptans* (Pteridaceae) - new record for India. *Fern Gaz.* 19: 25-29.

6. Antony, R., **Sreenivas, V. K.** & Mohanan, N. 2012. *Diplazium austrosylvaticum* Fras.-Jenk. & Benniamin (Pteridophyta: Woodsiaceae), A new distributional record for Kerala. *Indian J. Forestry* 35: 259-260.

7. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2013. Potential ornamental brake ferns in the Western Ghats of South India. *Proceedings of "Western Ghats" UGC-Sponsored National Seminar, 14ᵗʰ -16ᵗʰ February 2013, N.S.S. College, Manjeri*. Pp. 118-125. ISBN 978-81-926618-0-3.

8. **Sreenivas, V. K.**, C. R. Fraser-Jenkins & Madhusoodanan, P. V. 2013. The genus *Pteris* L. (Pteridaceae) in South India. *Indian Fern J*. **30:** 268-308.

9. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2014. *Pteris geminata* Wall. ex J. Agardh (Pteridaceae): A Critically endangered pteridophyte in India. **JoTT.**

DEPARTMENT OF ENGLISH

Miss ATHIRA RAMACHANDRAN

1. Pathivrytya as an instrument of Patriarchy: An analysis of Panchayakanya, Lux Miontis, January issue, 2014.

2. Women of importance in Oscar Wilde's *The Importance of Being Earnest,* Research Scholar, March Issue, 2014.

3. Puppet to puppeteer: Breaking the balances of powers in Varsha Adalja's *Mandodari*, Misbha, March Issue,2014.

Dr. PRADEEPKUMAR K

1. "Nature as a Poem: An Eco-critical Reading of the Poetry of William Wordsworth" in *Pursuits* (Vol IX,Oct,2011-ISSN 097-7400)pp 28-37.

2. "An Intricate World" Book Review in *The Business World* (Anand Bazar Patrika Group) 31 Jan 2011

3. "Chinamerica" Book Review in *The Business World* (ABP Group) 02 April 2011 Conference Presentations

4. "From the Personal towards the Universal: Aspects of Creative and Political Resistance in the Poems of Kamala Das" Paper presented in International Seminar "Revisiting Kamala Das",P.G.Department of English, St. Aloysius College, Thrissur on 19 Oct,2012.

5. "Sara Joseph's Aathi: A Hymn of Resistance and Survival" Paper presented in International Conference on Postcoloniality in Transition: Cosmopolitanism, Transnationalism, and Globalization at The English and Foreign Langauages University, Hyderabad on 16-17 Jan 2013.

6. "Neither Here Nor There: Liminality in *The White Tiger*." Paper presented in National Conference on Transforming Self and Modernity: Contemporary Indian English Literature. St.Aloysius College, Thrissur on 22 and 23 February 2013.

7. "Engaging Postcolonial Structures of Oppression and Hegemony: Arundhati Roy's Critique of Neo-imperialism." Paper presented in the International Seminar on Defamiliarising Identities in Post-Colonial Literature at Madras Christian College,Chennai,12 July 2013.

Mr. UNNIKRISHNAN KALAMULLATHIL

Articles in the Journal

1. "How to Be a Reflective Teacher", Seminar Proceedings, International Seminar on Innovation and Best Practices in Teaching and Learning, Jan 2014. ISBN 978-93-81423-00-4

2. "Monica Ali's Brick Lane as a Narrative of Cultural Identity Creation", Post Colonial Polemics ,Ed Dr. S.Sivaraja: March 2013.ISBN 978-93-80406-50-3

3. "Towards Reflective Teaching Practice", The Journal of English Language Teaching [India] , Nov-Dec 2012. ISSN 0973-5208

Papers presented in seminars

1. "The Reflective Teacher" in a Multi Disciplinary International Seminar on " Innovation and Best Practices in Teaching and Learning" conducted by Muslim College of Education, Kanyakumari-Tamil Nadu on 24&25 January 2014.

2. "M-Learning: Emerging Issues in Higher Education" in a UGC Sponsored International Seminar on "English Language and Literature: Rendezvous with Technology" conducted by PG Department of English & Research Centre, Vimala College, Thrissur in collaboration with State Institute of English- Kerala, US Consulate General- Chennai & Chethana Media Institute-Thrissur on 9&10 January 2014.

3. "Problem of Alienation in Anita Desai's Fire on the Mountain" in a National Seminar on "Themes and Techniques in the Post-Colonial Indian Writing in English" conducted by Dept. English, MASS College of Arts and Science Kumbakonam, Tamilnadu on 08 March 2013.

4. "Significance of Language Learning Strategies in ELT" in a National Conference on "Current Trends and Challenges in English Literary Studies" conducted by Dept. English, Yuvakshetra Institute of Management Studies Mundur -Palakkad on 22 Feb2013.

5. "Adaptation as a mode of Translation" in a UGC Sponsored National Symposium on "Translation in the Context of Sundry Media Reporting" conducted by Dept. of English, NSS College Nemmara on 13-15 March 2012.

Mrs. UMA PARVATHY

Articles in the Journal

1. `Overt Equations of Domination and Covert Mechanism of Resistance: A Reading on `Cries in the Wilderness' by Narayan` - Vol-7, 2013 issue of `Conspectus', an international peer-reviewed journal (ISSN : 09730990) – Department of English, St.Thomas College, Thrissur.

Papers Presented in seminars

1.Three day International Conference on ' Traditions of Dissent in Sub-continental Literatures and Cultures' – Department of Comparative Literature, Central University of Kerala, Kasaragod and Comparative Literature Association of India (UGC Sponsored) - 15th to 17th October 2012 – paper entitled `Ecriture of Dissonance and Self-assertion :A Reading on the Prototypes of Resistance in the `The Day in Shadow' by Nayantara Sahgal'

2. One day International Conference – 9th October 2012 – PG Department of English, St.Alosyius College, Elthuruth, Thrissur – `Revisiting Madhavikutty/Kamala Das/ Suraiya ' -  paper entitled `Politics Behind the Cult of the Body and Rituals of Love: A Reading on Kamala Das' Poetic Discourses on the Human Body'

3. International Scholar`s Meet Interactive Seminar Department of English, Sree Ayappa College for Women, Chunkankadai, Nagarcoil, Tamil Nadu – 21st February 2014 – paper entitled `Rhe Complex Matrix of Mythic Equations: A Study on Juxtaposed Contexts in `Bali and the Ocean of Milk'

ANNAPOORNA IYER

1. Published a Research Paper entitled Deterritorialization in the Disjunctured World of Salman Rushdie's *The Satanic Verses* in Pursuits Vol VII, Oct-Nov 2009. ISSN 09747400

2. Published a Research Paper entitled The Anarchist multiverse in *The White Tiger* and *The Tin Drum* in English Activities Update Vol, I No .2 July 2010 ISSN 09763643

3. Published a Research Paper entitled Rethinking Liberal Humanism and Marginalised Discourses with Special Emphasis on Postcolonialism in a book entitled *Mapping Marginality: Premises and Perspectives.*ISBN-978-81-7966-306-6

Papers presented in Seminars

1. "Acheronta Movebo: Where the Gods Promenade the Empty Streets" at an **International** seminar on Contextualising the Contemporary in Culture on Charting New Territories: Cartographies of Popular Media and Culture on 1/2/11 & 2/2/11 at IIT, Madras.

2. "Violence and Rap through the Onslaught of Satellite Television: A Third World Narrative" at a **National** Seminar on 18/8/11 & 19/8/11 at All Saint's College, Trivandrum.

3. " Rethinking Colonisation and the Death of the Empire: A Subaltern Analysis of Upamanyu Chatterjee's *Way to Go* at an **International** Seminar on Defamiliarizing Identities in Post Colonial Literature on 12/7/13 at Madras Christian College, Tambaram.

4. "The Death of the Symbolic Other in Joseph Heller's *Catch23: Yossarian Lives.*" At the First International Scholar's Meet Interactive Seminar at Sree Ayyappa College for Women, Kanniyakumari on Feb 21,2014.

DEPARTMENT OF HISTORY

Dr. JYOTHIRMANI VATAKKAYIL

1. "The Servants of India Society in Modern Kerala History", *Proceeding of the Indian History Congress(*67th Session, Farook College, Calicut University 2006-07)

2. "Malabarile Vidyabhyasavum D.M.R.T. Prasthanavum", *Adayalam,* Golden Jubilees Souvenir, GVHSS Payyoli, 2007-08.

3. "Rural Upliftment: The SIS/DMRT Model" *Govt. Arts and Science College Research Journal-*October, 2007.

4. "Sir C. Sankaran Nair and the Liberalist phase of Indian Politics" ,*Govt. Arts and Science College Research Journal-*March, 2009.

5. Keezhariyoor: Charithra Perumayude Akshara Sakshyayam, (Mal) *Sakshyam-2010.* Keezhariyoor Grama Panchayath, Gramotsav Souvenir.

6. "V.R. Nayanar-the Ascetic Pilgrim of Kerala Politics" *Proceedings of Indian History Congress, 2008-09,* New Delhi.

7. The Servants of India Society in Modern Kerala History", *Proceeding of India History Congress, 2007-08,* New Delhi.

8. "Gokhale's Nationalism: A Critique", *CURJ Calicut University Research Journal, Vol.VII,* issue.1, 2009

Paper Presentations

1. "The 100 Year of the Servants of India Society: Its Relevance in Modern Kerala History", Indian History Congress: Modern Session, Calicut 2007.

2. "V.R. Nayanar: The Ascetic Pilgrim of Kerala Politics", Modern Session, Kannur: 2008.

3. From Communalism to Secularism: Contours of Transformation in Ernad/Malabar, Proceeding of UGC National Seminar, NSS College Manjeri, 28th January 2012.

4. "Megaliths of Trissur: An Overview" *UGC National Seminar. Archeology of Kerala with Special Reference to megalithic Culture,* NSS College Manjeri, 6th June 2013.

5. *Vision of of G. K. Devadhar*, international conference, govt. arts and science college, Kozhikode. 2013 february12-14.

6. "*Malabarinte Vidhybhyasa Charithrathil DMRT yude panku*" Govt. Devadhar Higher Secondary School, Thanur. March 2014.

Mrs. NOORJAHAN MAJEED

Papers presented in seminars

1."Eranadan Malayalathil Mappila Malayalathinte Swadhenam"

2." The Obsession of Gold among Kerala Women and Issues; A Historical Perspective."

3."Kerala Responsible Tourism Initiative at Kumarakam-A Tool of Women Empowerment"

DEPARTMENT OF CHEMISTRY

Dr. K.P SUBHASHCHANDRAN

1. Fabrication of functionally Engineered carbon nanotube Matrix Solid support for Peptide Synthesis – int. J.Chem Sci, June 2013, 11(2), 1152-63.

2. Neuromedine peptide analogue attached carbon nanotubes for triggering intracellular pathways: J.Chem & Chemi.sci. Jan 2014; 4(1), 51-57

3. Simple thermal CVD method for synthesis of nanoscopic entities of carbob: Nanovision, Feb 2014: 4(1), 62-65

4. Synthesis of bioactive peptide attached SWNT via dimide activated amidation: int.J.Chem.June 2014; 3(1) (in press)

5. Synthesis of three dimentional carbon nanotube network for bio sensor applications, world Science journal, May 2014 (in press)

6. Synthesis modification and antimicrobial activity of carbon nano-tube Matrix (under review, European Journal of Medicinal Chemistry, Manuscript No. EJMECH-M-14-00100)

7. Synthesis of Angiotensin II & agrotension IV peptides by using modified conference papers – Chemistry – Asian J. of Chemistry

8. Peptide carbon nanotube conjugate – A promising partnership (National conference

on Biological chemistry(NCBC-2010) on 29-30 Nov 2010 in GITAM University, Visakhapatanam)

9. Synthesis and characterization of neuromedin attached SWNT via dimide-activated Amidation. (International conference on synthesis, characterization, consolidation and modelling of nano materials, 5-6 March 2010, PS College of Technology, Coimbatore.)

DR.K.S.VIJAYALEKSHMY AMMA

1. Temperature and solvent dependent migrations of di (2-ethyl hexyl) phthalate the hazardus plasticizer from commercial PVC blood storage bag, M.K Sarath Josh,K.S Vijayalakshmi Amma,Sailas Benjamin et al., Journal of Polymer resaerch ISSN 1022-9760 J.Polym Res(2012) 19 : 9915

2. Pthalates efficiency bind to human peroxisome proliferator activated receptor and retinoid X recptor α,β,γ sub types : an in silico approach M.K Sarath Josh,K.S Vijayalakshmi Amma,Sailas Benjamin et al. , Journal of Aplied Toxicology May(2013)

3. In silico evidences for the binding of phthalates on to human estrogen receptor α, β sub types and human estrogen reseptor γ M.K Sarath Josh,K.S Vijayalakshmi Amma, Sailas Benjamin et al., molecular simulation 2013 Dol:10.1080/08927022

5. Efficiency methods to enhance biogas production Procceding inU.G.C National seminar.2011.

Dr. R MANU PANICKAR

1) **R. Manu Panicker** and S. Priya "Fabrication of flexible conducting thin films of Copper-MWCNT from multi-component aqueous suspension by electrodeposition J. of Solid State Electrohemistry, 2013 (Accepted).

2) **R. Manu** and S. Priya "Implication of electrodeposition parameters on the architecture behavior of MCNT - incorporated metal matrix"
Applied Surface Science, 2013 (Accepted)

3) **R. Manu** and Sobha Jayakrishnan, "Effect of organic dye on Copper metallization of high aspect ratio through-hole for interconnect application" **(2012)** *Material Chemistry and Physics.* DOI information: 10.1016/j.matchemphys.2012.05.003

4) **R. Manu** and Sobha Jayakrishnan, "Effect of additive and current density on micro structure and texture characteristics of copper electrodeposits" *Int. National Journal of Materials Research,* (104) Feb. (**2013**)

5) **R. Manu** and Sobha Jayakrishnan, "Through hole filling by copper electrodeposition using organic dye as leveler" Accepted (**2011**) *International journal of Electrochemical Science*

6) **R. Manu** and Sobha Jayakrishnan "Influence of polymer additive Mw on micro structural characteristics of electrodeposited copper" (34) 2, Apr. **2011** *Bulletin of Materials Science*

7) **R. Manu** and Sobha Jayakrishnan."Influence of additives and the effect of ageing in modifying surface topography of the electrodeposited copper". *Journal of Electrochemical Society,* 156 (7) (**2009**) D215

8) S. M. A. Shibli and **R. Manu,** "Application of Electrochemical Machining Technique for the characterization of Zinc Coatings", *Journal of Materials Science,* 43, 12 (**2008**) 4282

9) S. M. A. Shibli, **R. Manu** and Semina Beegum, "Studies on the influence of metal oxides on the galvanizing characteristics of the hot-dip zinc coating" *Surface and Coating Technology*, 202 (**2007**) 1733

10) S. M. A. Shibli B. Jabeera and **R. Manu,** "Development of high performance aluminium alloy sacrificial anodes reinforced with metal oxides". *Materials Letters,* 61 (**2007**) 3000

11) S. M. A. Shibli and **R. Manu,** "Development of hot-dip coating having zinc oxide-rich inner layer for barrier protection". *Surface and Coatings Technology,* 201 (**2006**) 2358

12) S. M. A. Shibli, V. S. Dilimon, S. P. Antony and **R. Manu,** "Incorporation of TiO_2 in hot-dip zinc coating for efficient resistance to Bio growth". *Surface and Coatings Technology*, 200 (**2006**) 4791

13) S. M. A. Shibli and **R. Manu,** "Improvement of hot-dip zinc coating by enriching the inner layers with iron oxide" *Applied Surface Science*, 252 (**2006**) 3058.

14) S. M. A. Shibli and **R. Manu,** "Process and performance improvement of hot-dip zinc coating by dispersed nickel in the under layer". Surface and Coatings Technology, 197 **(2005)** 103.

15) S. M. A. Shibli, **R. Manu** and V. S. Dilimon, "Effect of nickel rich barrier layer on improvement of hot-dip zinc coating". *Applied Surface Science*, 245 **(2005)** 179

16) S. M. A. Shibli and **R. Manu,** The paper entitled "Nickel under layer for hot-dip zinc coatings" *Advanced Coatings and Surface Technology,*12 **(2005)** 5, **ISSN : 0896-422X Publisher : Frost and Sullivan Group, UK.**

 17) S. M. A. Shibli and **R. Manu,** The paper entitled "Incorporation of TiO_2 in hot-dip zinc coating for efficient resistance to Bio growth"*, Advanced Coatings and Surface Technology,*18 **(2005)** 3, **ISSN : 0896-422X, Publisher : Frost and Sullivan Group, UK.**

Articles in Conference Technical News Letter / Book Volume

1) **R. Manu** and S. M. A. Shibli "Microstructure and topographical Studies of Zn-Ni alloy galvanic coatings" (RS-17, Page -520) Proceedings of ELAC-2007, held at Shimla during March -2007. Organized by Indian Society for Electroanalytical Chemistry, Mumbai, India, March **(2007)** 168**. ISBN No: 978-81-901950-0-3, Publisher: Electroanalytical Society of India, BARC, Mumbai.**

2) **R. Manu** and Sobha Jayakrishnan, "Electrochemical and micro structural characterization of the copper deposit produced from acidic sulfate bath" Proceedings of DM-ELANTE -`08, Munnar, Kerala, organized by Indian Society for Electroanalytical Chemistry, Mumbai, India, February **(2008)** 168 **. ISBN No: 978-81- 901950-1-0, Publisher: Electroanalytical Society o India, BARC, Mumbai.**

Papers Presented / Communicated at Various National / International Conferences

1) **R. Manu** and S. Mohan "New Paradigms for C- nano Structures in Electronics Applications" INDO-US workshop on nano materials (IUSWNM-2013) held at Thrissur during 8-11, March-**(2013)**.

2) **R. Manu** and S. Mohan "Fabrication of Flexible Cu-MWCNT thin films for electronics applications" NCEDAR-2012 held at J.N. Tata Auditorium, Bangalore during 4-6 december-(**2012**) organized by IPC-India.

3) **R. Manu,** Sobha Jayakrishnan "Implication of deposition parameters on the architecture behavior of MWCNT - incorporated metal matrix" ECTNSE-2012, Conducted by Surf. Engg. Div.,BARC, ar BARC, Mumbai during 5-6 Jan. (**2012**).

4) **R. Manu,** Sobha Jayakrishnan and S. Boopathy, "Effect of Sonication on via Filling Behavior for Copper Metallization in Electronics Packaging" 219th Electrochemical Society (ECS) Meeting in Montreal, Canada, May 1 - 6, (**2011**)

5) **Manu** and Sobha Jayakrishnan, Copper metallization of high aspect ratio through holes as interconnect in electronics packaging i SAEST -2010 Conference conducted by Society for advancement of electrochemical Science (SAEST) held at Chennai, During Nov –(**2010)**

6) **R. Manu** and Sobha Jayakrishnan, Micro via filling for electronic packaging by copper plating using organic dyes as leveler, **NCE-15,** organized by (**SAEST)** Karaikudi, Tamilnadu, India at VIT, Vellore during Feb 18-19 (**2010).**

7) **R. Manu** and Sobha Jayakrishnan " Impact of seed layer modification on Via filling Characteristics by copper plating" Recent advances in surface engineering (**RASE) at NAL,** Bangalore during Feb 24-25, P:12 (**2009**)

8) **R. Manu** and Sobha Jayakrishnan "Role of additives and the effect of ageing in modifying surface morphology of copper deposits", International Conference on Advanced Materials and Composites (**ICAMC-2007) NIIST,** Trivandrum October (**2008**)

9) **R. Manu,** Fabrication of nano NiO incorporated Ni-P composite plate for functional applications" **MATCON-2007, CUSAT**, Kochi, Cochin, India, during March 1-3 (**2007**)

10) S. M. A. Shibli and **R. Manu** "Studies on the influence of metal oxides on the galvanizing characteristics of the hot-dip zinc coating" Proc. of 13th National congress on Corrosion Control (**NCCI)**, Mangalore, India, during September (**2006**)

11) S.M.A. Shibli, **R. Manu** and V.S. Dilimon "Development of catalytic metal oxides based surface coatings for galvanic and electrolytic applications" Proc. of 13th national convention of electrochemists, (**NCE-12,SAEST),** Karaikudi, India during February **(2005)**

12) S. M .A .Shibli and R. Manu "Effect of nickel rich under layer on the galvannealing characteristics of hot-dip zinc coating" Proc. of International Conference on Corrosion, **CORCON-2005, (NACE)** held at Chennai, India during November **(2005)**

13) S. M. A. Shibli and **R. Manu** "The modified galvanizing bath containing iron oxide for improvement of hot-dip zinc coating". Proc. of International Conference on Corrosion, **CORCON-2004, (NACE)** held at New Delhi, India, during December **(2004)**

14) S. M. A. Shibli, **R. Manu,** V. S. Dilimon and S .P. Antony "Incorporation of titanium dioxide for improvement of hot- dip galvanic coating". Proc. of 12th National congress on Corrosion Control **(NCCI),** held at Visakhapatnam, India,during September **(2004)**

15) S. M. A. Shibli, V. S. Dilimon, **R. Manu** and Sony George "Influence of Ruthenium Oxide on bactericidal activity of titanium dioxide on aluminium alloy sacrificial anodes". International Conference on Corrosion, **CORCON-2003,(NACE)** held at Mumbai, India during Dec. **(2003)**

16) S. M. A. Shibli, **R. Manu** and K. Syama "Effect of nano zinc oxide incorporation in hot-dip galvanic coating" Proc of 10th National convention of electrochemists**,(NCE-10) SAEST,** Karaikudi, held at Tiruchirappaly, India, during December **(2003)**

17) S. M. A. Shibli, V. S. Gireesh, Sony George and **R. Manu** " High performance Al-Zn alloy composite sacrificial anode" Proc. of International Conference on Corrosion, **CORCON-2002, (NACE)**, December **(2002)** Goa, India.

Articles under review

18) **R. Manu** and Sobha Jayakrishnan "Review on types of electrochemical and non electrochemical metallization techniques applied for via filling in electronic packaging" Re-Submitted to J. of Solid State Electrochemistry. (Impact Factor: 2.324)

19) **R. Manu**, S. R. Suseendran, S. Pavithra and M. Chandru "Synergistic effect of thiol and pulsing frequency during copper metallzation of high aspect ratio vias in electronics pakaging" Communicated to J. of Electrochemical Society (Impact Factor: 2.42)

Mrs. NISHA NANDAKUMAR

Journal Papers

1. **Nisha Nandakumar**, Philip Kurian "Chemosynthesis of Monodispersed Porous $BaSO_4$ Nano-Powder by Polymeric Template Process and its Characterisation" Powder technology,Volume224,2012,p51-56

2. **Nisha Nandakumar**, Philip Kurian"Effect of chemical degradation on the mechanical properties of ethylene–propylene–diene (5-ethylidene-2-norbornene) terpolymer-BaSO4 nano composites" Materials & Design, Volume 43, 2013, p 118-124

Conference papers

1. "Eco-friendly Non-Lead x-ray attenuator : Nanofilled Natural polymer as novel x-ray shields for clinical x-rays" International conference ,Saint Josephs college Irinjalakuda September 2013.

2. "Effect of Carbonblack and $BaSO_4$ on the thermo-chemical resistance of Natural rubber Composites" IRC -2012 kovalam,TVM.

3. "Synergistic effect of Carbonblack and $BaSO_4$ on Properties of Natural rubber Composites" at NSAP conducted by MGUCE Thodupuzha 2012.(Best Paper award)

4. "Durability of NR-Barium sulfate composites exposed to acidic environment", National seminar at BKC college kottayam-September 2011.

5. "Investigation of acid sorption characteristics in EPDM- $BaSO_4$ Nano composites" was presented in International conference on Advances in Polymer Technology, PS&RT, Cusat Kerala-Feb.2010

6. "Synthesis of spheroidal $BaSO_4$ nano particles and investigation of its impact on mechanical properties of EPDM." National Seminar on Quantum Chemistry and Nano Techniques - SNM college Malliankara, Kerala - Nov. 2009

DEPARTMENT OF PHYSICS

K. M. DEVADAS

International SCI Journals

1) K. Vinod, Neson Varghese, S. Rahul, **K. M. Devadas**, U. Syamaprasad "On the current transfer length and current sharing in short length MgB2 wires" Superconductor   Science and Technology 23 105002(2010).

2) Neson Varghese, K Vinod, S Rahul, P Anees, **K M Devadas**, Syju Thomas, Shipra, A Sundaresan, S B Roy and U Syamaprasad "Effect of carbon substitution on the   superconducting properties of nano carbon, diamond and SiC doped MgB2"Journal   of American Ceramics Society 94 1133(2011).

3) Neson Varghese, K Vinod, S Rahul, **K M Devadas**, Syju Thomas, S Pradhan, U Syamaprasad "Influence of nano Cu additive on MgB2 phase formation, processing   temperature and transport properties" Journal of Applied Physics 109, 033902 (2011).

4) **K. M. Devadas,**S Rahul, Syju Thomas, Neson Varghese, K. Vinod, M K Chattopadhyay,   S B Roy, S Pradhan and U Syamaprasad "Transport properties of sealed   MgB2/Fe/Ni multifilamentary wires heat treated in air". Journal of Alloys and   Coumponds 509 8038(2011).

5) Rahul S , Varghese N , Vinod K , **K M Devadas** , Thomas S , Anees P , Chattopadhyay M K , Roy S B , Syamaprasad U "Combined addition of nano diamond and nano   SiO2, an effective method to improve the infield critical

current density of MgB2   superconductor" Materials Research Bulletin 46 2036(2011).

6) Syju Thomas,Neson Varghese,S. Rahul,**K. M. Devadas**,K. Vinod,U. Syamaprasad-

Corresponding author contact information "Enhancement of bending strain tolerance and current carrying property of MgB2 based multifilamentary wires" Cryogenics 52 767(2012).

7) Devadas K M, Rahul S, Syju Thomas,Nesson Varghese, Pradhan S, Syamaprasad U "An   Effort Toward Development of MgB_2 Based Current Leads With 2000-A Rating" IEEE   Transactions on Applied Superconductivity 24 (2014)

Mr. K. SUSEEL RAHUL

1. K. Salini, K.S. Rahul, V.Mathew; 2014; Size-Dependent Electronic and Optical Properties of CdSe/CdS/CdSe/CdS Multilayer Spherical Quantum Dot; Appl. Phys. A ; DOI 10.1007/s00339-014-8235-4

DEPARTMENT OF HINDI

DR. P. GEETHA

Published papers

1. Narisoshan asaliyath ke kuch pahale. Samagradhan (Journal): Trivandrum, Hindi Vidyapeet (Journal). 1998
2. Nari man ke komal rag ki tootan- komal gandhar- Samagradhan (Journal): Trivandrum, Hindi Vidyapeet (Journal). 2006
3. Nari ke youvan mathrutvu ki achuthi- Madhavi- Samgradhan. 2007
4. Madhya Varga mahatvakamaksha ki dardanak parnathi. 2008. Kahani ke sou varsh (BOOK), Javahar pusthakalay.
5. Aatm se samkramith stree-asmitha. 2010. Sangadhan (Journal)
6. Samprathayik athank ke aprathyasith phylav me dam Kutthi manaveeyatha-sahar me karfya ke visesh sandarbh me. 2010. "Suvarm" Suvarna Jayanthi smaranika-Maharaja's college
7. Sameeksha ke samajik sarokaron ka sabshath kar. 2009. Anu seelan-Thrilochan Viseshank-Cochin University

8. Aatma se samkramit stree asmitha (stree mere bheethar-Pavan karan). 2011. Kavitha ka varathaman.
9. Bharatheeyatha ka stree sandarbh- Ila aur nepathyarag ke visesh sandarbh me. 2012. Anuseelan CUSAT.
10. sankaleen hindi natak- EK paristithik pat. 2013. Anuseelan CUSAT.
11. Stree asmitha aur hindi-natak-ila aur nepathyarag ke visesh sandarbh me. 2013. Samkaleen Hindi Sahity aur mahila lekhan
12. Sub editor of 'Jan vikalp' – journal ISSN – 2011 onwards.
13. Preface of 'Sruthi Bhangam' Drama, Nadinnakam -2009-10 (Drama collections)
14. Articles in Souhridam journal (Malayalam)

Presentations of Papers

1. Presented a paper in UGC National Seminar in the Topic 'Samakaleen Hindi Natak Ke Ayam' entitled 'Stri Asmitha Aur Hindi Natak' conducted by SSUS, Kalady.

2. Presented a paper in the two-day UGC National Seminar on 'concept of freedom and Literature' conducted by Dept of Hindi, CUSAT.

3. Presented a paper in two day UGC National Seminar on 'Litereature and Cultural Study' conducted by CUSAT.

4. Presented a paper in the UGC National Seminar organised by the Dept of Hindi, St.Peter's college, Kolanchery.

5. Presented a paper in the two-day National seminar on 'Reading new; An inter disciplinary approach to Hindi Literature' organized by Dept. of Hindi St.Paul's College, Kalamassery.

6. Presented a paper in the two-day National seminar organized by Dept.of Hindi, Govt.Victoria College, Palakkad on 'Varthaman Hindi Alochana me Srujanathmakatha'.

7. Presented a paper entitlled 'Samakaleen Natakom me Nari Vimarsh' in the UGC National Seminar in Hindi on 'The New Trends in contemparory hindi literature with special emphasis on Feminist and Dalit Literature' organized by the PG.Dept.of Hindu & Research centre, Govt Arts and Science College, Calicut.

8. Presented a paper on 'Paristhitike Aur Vartaman Upanyas' in the UGC National Seminar on the 'Contemporary Hindi Fiction at SSUS, Regional centre, TCR.

9. Presented a paper in the three day UGC, DRS National Seminar on 'Indianness in Contemporary Hindi and Malayalam Drama conducted by CUSAT entitled 'Samakaleen Hindi Natak me Bharatheeyatha'

10. Presented a paper in the UGC National Seminar entitled 'Stri Asmitha aur Samakaleen Hindi Natak at Govt.Victoria College, Palakkad.

11. Presented a paper in the three day National Seminar on 'Communalismm; The realms of challenges in the contemporrary Hindi fiction entitled 'Sampradayik Aatank ke Apratyasit phylav me Dam Khuthi Manaviyata' at Maharaja's College EKM.

12. Presented a paper in the National seminar on 'New trends in contemporary Hindi fiction at Malabar Christain College, Calicut.

13. Presented a paper in the three day UGC (DRS) National Seminar on Bharateeyata Aur Samakaleen Hindi Malayalam Katha Sahity' conducted by Dept.of Hindi CUSAT.

14. Presented a paper in the UGC sponsored National seminar on changing face of woman in contemporrary society: A glimpse of Hindi Literature at St.Joseph's college, Irinjalakuda entittled 'Stree Asmitha Aur Hindi Natak Nepathya Rag, Aur lla ke visesh Sandarbh me'

15. Presented a paper in the inter University conference on modern Hindi drama and threatre jointly conducted by the research forum, Alumini Association and the Dept. of Hindi, University of calicut held 2012 at EMS seminar complex, University of Calicut entitled 'Sama Kaleen Hindi Natak Paristhitikpat.'

DEPARTMENT OF SANSKRIT
DR. M. M. DHANYA

1. "Accompaniments of Lord Krsna" in the Prof. N.V.P. Unithiri Endowment - IInd All Kerala Oriental Conference dated 11-12 December 2007 (abstract).

2. Treatment of Flowers in Meghasandesa" in the Prof. N.V.P. Unithiri Endowment – IIIrd All Kerala Oriental Conference dated 16-17 December 2008 (abstract).

3. "Meghasandese Patatrinam PrabhavaH" for the Prof. N.V.P. Unithiri Endowment 1st All Kerala Oriental Conference,January2007.

4. "Accompaniments of Lord Krsna" for the Prof. N.V.P. Unithiri Endowment IInd All Kerala Oriental Conference, December 2007.

5. "Treatment of Flowers in Meghasandesa" for the Prof. N.V.P. Unithiri Endowment IIIrd All Kerala Oriental Conference, December2008.

6. "Ornaments referred in Natyasatra" in the **National Seminar** On Natyasastra organized by the Dept.of Sanskrit,Govt.Victoria College, Palakkad, january2013.

DEPARTMENT OF COMMERCE

Mr. SANESH C

1. "An article on sebi's contribution into the field of financial education" Proceedings of National conference on emerging trends in management towards sustainable development, **Veltech** University Chennai [2012]
2. "inclusive financing through mutual funds" Proceedings of National conference on emerging trends in management towards sustainable development, **Veltech** University Chennai [2012]

3.3 Consultancy

3.3.1. List the broad areas of consultancy services provided by the institution during the last five years (Industries, Government, NGO/ Community/ public)

The college has not provided specific consultancy services to organization/community and public during last five years. However, the college has allowed research scholars (even from outside) to make use of the infrastructure available in the college.

The college has no objection to individual faculty members engaging in consultancy services.

3.3.2. Does the institution publish the expertise available for consultancy services?

No, the college does not publish the expertise available for consultancy services.

3.3.3. Give details regarding the nature of consultancy services and revenue generated? What are the mutual benefits accrued due to consultancy.

a) The college does not earn revenue from any kind of consultancy given by the individual faculty members of the departments

3.4 Extension Activities

3.4.1. What outreach programmes are organized by the institution? How are they integrated with the academic curricula?

Outreach programmes conducted/organized by the college.

- **NCC**
  - Blood donation
  - Poor home visits and donation of medical kits and cleaning materials
  - Participation in communal harmony seminar
  - Co-operation with police authorities in exercising traffic warden duty

- **NSS**

  - The Orientation programmes
  - legal awareness camp on Cyber Crimes
  - blood donation camp
  - Awareness campaign against drugs and alcohol

- **ENVIRO CLUB**

  - Two days awareness programme in mundathikod panchayath
  - One week training to selected students of P.G. and Research in water quality testing programme.
  - A family health survey campaign of three days conducted in kolazhy panchayath
  - A free medical camp and an exhibition of health programme conducted in kolazhy panchayath.
  - Free water testing quality parameters conducted in selected panchayaths of Thrissur panchayath.

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3.4.2. How does the college promote institution-neighbourhood network in which students acquire service training, which contribute to sustained community development?

- The college promotes institution-neighbourhood network through NCC, NSS, ENVIRO CLUB

3.4.3. How does the institution promote the participation of the students and faculty in the extension activities of NSS, NCC, YRC and other NGOs? How often and in what roles are they involved?

The students are encouraged to enrol in NSS & NCC.

The students/faculty members who participate in extension activities are granted leave on duty/attendance for the missed classes

3.4.4. Is there any research or extension work to ensure social justice and to empower under-privileged sections in particular, women and children?

Yes, we have an outreach programme for disabled children (For learning disability, autism, ADHD and for slow learners). One of our Associate Professors of Chemistry department Dr. K.S.Vijayalekshmiamma is working as an honorarium director of Autism child welfare centre owned by Kerala Government. She is counseling differently abled children and their parents. She is an invited member of the South Asian Autism conference held on February 2013 and December 2011 at New-Delhi supported by WHO.

3.4.5. What is the impact of extension on the community? Specify.

50 children per year are beneficiaries of this centre.

3.4.6. Does the college receive awards/ recognition for extension activities?

No, the college has not received any award for extension activities.

3.5 Collaborations

3.5.1. How many linkages does the institution have for research and extension?

The college has several linkages for research and extension.

3.5.2. List the organizations and the nature of linkage and expected outcomes.

Nil

3.5.3. *How does the linkage promote*

a) Internship
 b) 'On-the-job' training
 c)Faculty exchange and development
 d) Research
 e) Consultancy
f)Extension
g) Publication

h) Student Placement

On-the-job-training

- The respective Heads, observe/monitor the students activities related to their training programmes and schedules at different places.

- To execute this, the respective heads prepare a schedule well in advance to facilitate the training of students. The students have been doing their on-the job training at various institutes.

Faculty Exchange and Development

There is no provision for exchange programmes.

Research

The institution encourages the faculty members to apply for UGC Major and Minor Research Projects, participation in international/ national conferences and publications. The college allows the faculty members to utilize the infrastructure available.

Consultancy

The college has not entered into any formal agreement to provide consultancy to any organization.

Extension

Staff members and students are motivated to carry out extension activity

Student Placement

Many students have been placed through campus interviews over the last five years in various software companies, media houses and industries.

3.5.4. What measures has the institution adopted to enhance the quality of Research, Consultancy and Extension during the last five years?

In order to enhance the quality of research the following measures have been adopted:

- In each Science department funds have been received from the UGC for basic research and, necessary apparatus have been installed.

- In addition to this, a Central Instrumentation Facility centre has been established to promote high quality research.

- Faculty members are motivated to participate and present research papers/articles in various national and international symposia/seminar

- The college is continuously upgrading existing infrastructure (labs & library) to pave the way for further research.

- During the last five years the college has spent significant amount on infrastructure improvement, books purchase, and apparatus purchase and installation for research by the college.

- In near future the college looks forward to establishing linkages and providing consultancy and extension to various institutions.

3.6 Best Practices

3.6.1. Describe the best practices in research, consultancy and extension with reference to promotion of research/ publication output/ consultancy and extension activities/ collaborations.

Research

To promote research in the college a Central Instrumentation Facility centre has been established.

- The college plans to set up a research committee of faculty members who will monitor the activities conducted at the centre.

- Access to the centre will be granted not only to the college faculty but also to research scholars/faculty from outside.

- The college plans to earn revenue from this centre through consultancy and

collaboration. The revenue earned will help in maintenance and procurement of more apparatus for quality research.

Publications

Faculty members are motivated to publish their research finding in national and International journals.

- During the last five years 97 Research papers in national and international journals have been published.

- Books and chapters in books, articles in proceedings of national / international symposia / seminars, thesis, abstracts and other articles (in various magazines and dailies) have been published by faculty members

- During last five years several faculty members participated in national and International conferences, respectively.

Consultancy

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

Extension

Staff members and students are motivated to carry out extension activity

Salient features:

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

CRITERION IV: Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1. How well endowed is the college in terms of physical infrastructure-classroom, administrative buildings, staffroom, transport, water, power supply, etc., to run academic programmes? Enclose the master plan of the college campus indicating the existing buildings and the projected expansion in the infrastructure.

<u>*Physical infrastructure :-*</u>

The college campus occupies an area of 35 acres.

Classroom

- At present the college has 27 classrooms out of which 22 classrooms are large in size; each can easily accommodate more than **60** students.
- **11** classrooms are of moderate size and can accommodate up to **60** students .
- **10** classrooms are smaller size and can accommodate up to **60** students.
- In addition to classrooms, the college has **03** audio rooms, laboratories, computer labs, **1** gas plant for labs .

Administrative buildings

- The college has 02 administrative rooms and 01 office.
- It also has 03 conference rooms.

Staffroom

- There are separate staff rooms for each department in the college. Meetings of the Staff Council are held at mini auditorium.

Transport

- The college has not made any provision of transport for either teachers or students.
- The college plans to introduce transport facility in a phased manner in the coming future.

Water
- The college has one open well, one pond and one underground well to cater to the needs of the college

Power supply

- Govt. high-tension transformers, generators to meet the power needs of the college

Other facilities

- Halls
- Store rooms
- Doctor's Room
- General Research Lab
- Canteen
- Photocopying Facility For Students
- Photocopying Machines
- Intercom
- Internet facility for students and staff
- Computer In Each Department
- ladies waiting room with toilets
- open air auditorium
- botanical garden
- public announcement system

The master plan of the college showing the buildings and other sites (refer annexure II)

4.1.2. What are the infrastructure facilities available for a) Academic activities b) Co-curricular activities (Auditorium, Open air theatre, etc.) c) Sports (Swimming pool, indoor facilities, Gymnasium, etc.) d) Laboratories e) General computer education f) Other activities

a) Academic activities

For all academic activities the college has the following facilities:
- Multi-media Projectors in classrooms
- OHP
- Slide projectors

b) Co-curricular activities (Auditorium, Open air theatre, etc.)

For co-curricular activities the college utilizes the following space:
- small auditorium
- The college quadrangle is used for General Assembly
- *Pandals* are set up in the college premises during important college functions such as College Annual Day.

c) Sports (Swimming pool, indoor facilities, Gymnasium, etc.)

The college has a football ground and a volley ball court, which also caters to the sports activities of the college.

- Boys recreation room
- Gymnasium

d) Laboratories

The following departments have laboratory facilities:

Physics- 3 labs
Chemistry-4 labs
Botany-1 lab
Zoology-1 lab
Computer lab-1
Language Lab-1

e) General computer education

The college promotes the general computer education in the following ways

- Computer is also offered as a certificate course up to 2008.
  The college has a well maintained computer lab.
j) Other activities
    - Water coolers
    - Separate office of games in-charge

4.1.3. Has the institution augmented the infrastructure to keep pace with its academic growth? Specify the facilities and the amount spent during the last five years.

The college management is aware of the limitations of space in the campus. It has made commendable efforts to augment the infrastructure to keep pace with new demands after the introduction of new courses. **On the basis of NAAC report the college has taken up the following initiatives during the last five years.**

- **Ladies waiting room**
- **Play Ground**
- **National Cadet Corps[NCC] room**
- **Campus cleaning**

4.1.4. Has the institution provided facilities like common room, wash/ rest room for women students and staff?

- Yes, women students have their own common room and separate washrooms.
- Separate washrooms are available for women staff on ground and first floor of the main building.

4.1.5. What are the steps taken for optimal utilization of infrastructure facilities?

Public service commission examinations, awareness classes for public and students.

4.1.6. What are the facilities available for differently-abled students?

- The main library, the reading room and office room are situated on the ground floor of the college building which makes these easily accessible for differently-abled/ physically challenged students.

4.2   Maintenance of Infrastructure

4.2.1. What is the budget allocation for the maintenance of a) Land b) Building c) Furniture d) Equipment e) Computers f) Transport

In the last five years the college has allocated the following sums for the maintenance of the following:

Sl.no	Infrastructure	Amount
01	Land	Nil
02	Building Maintenance New construction	15 lakhs 2 lakhs
03	Furniture	1 lakh
04	Equipment	50 lakhs
05	Computers	7 lakhs
06	Transport	nil
	Total	75 lakhs

The college does not provide transport facility for students and faculty, so it does not make any budgetary allocation for the same.

- In the last five years Rs. 3 lakhs   was spent on transportation for administrative purposes.

4.2.2. How is the budget optimally allocated and utilized?

The budget is prepared keeping in mind the annual expansion plans and allocation of funds to the various departments for maintenance and improvement of infrastructure. The expenditure is earmarked under planned heads and non-planned heads. If the need arises for supplementing the funds, earmark under either head, the Principal propose additions. All financial matters are discussed and ratified as per need by the Governing Body.

4.2.3. Are the staff appointed for maintenance and repair? If not, how are the infrastructure facilities, services and equipments maintained?

The college has appointed the following for maintenance and repair:

- **02** electricians to maintain the workshop
- **01** plumber for general maintenance
- **01** technician to maintain computers and internet lease line
- **01** individual to maintain the generators
- In addition to these the college also utilizes the services of workers on daily basis

4.2.4. How is the infrastructure optimally used?

The infrastructure is used optimally used in the following ways.

- Class timings are scheduled in such a manner that there is minimum problem for room availability to conduct the classes.
- Offices and library are located in the ground and first floor, which does not disturb the conduct of classes on the upper floors of the college.
- Silent generators have been installed for power back up which allows for classes to be held even after sunset, in the case of power shortages.
- A photocopying centre exists in the campus.
- Canteen is located at the far end of the college ground.

4.2.5. What is the mechanism for maintenance of computer, other network facilities, and library and information facilities?

- The college has appointed one technician to maintain the computer and network facilities such as the server, the leased line for internet, and the department computers.
- In case of any major technical problem, help is sought from outside.

- The college library is looked after by a team of skilled and experienced personnel.

4.3 Library as a Learning Resource

4.3.1. How does the library ensure access, use and security of resource?

The college library is kept open on all working days, including examination days between 9am and 5pm.

- All services are available in the library such as book transactions, internet service, reference service, periodicals, etc.

- The library has a large reading room, which can accommodate 50 students at a time.

- The ambience of the reading room has been improved as per the recommendations of the previous NAAC peer team report.

- The reading room is open on all working days and between 9 am and 5 pm

- A separate enclosure for magazines and periodicals has been constructed.

- Sufficient number of library staff is available to maintain the resources in the library.

- All the functions of the library are computerized, which ensures effective services.

4.3.2. What are the facilities available in the library? (Computers, Internet, Reprographic facilities, etc.)

- The library is fully computerized.

- There are 04 computers, with internet facility in the library   • Bar coding has been completed.

- The central library has subject specific and general books.

4.3.3. How does the library collection cater to the needs of the users?

In order to cater to the needs of the users the following arrangements have been made.

- Subject specific and general books are both available in the central library.

- All purchases are made on the recommendations of the respective departments, as per the syllabus revision and the need of the students.

- Departments also have reference books and journals.

4.3.4. What is the stock of books in the library? (titles)

Total no. of books available in the library stands at 27081

4.3.5. Furnish the information regarding the number of journals subscribed by the institution.

The college subscribes to 12 journals. The subject-wise number is as follows.

Subject	Number of Journals Subscribed
CHEMISTRY	4
PHYSICS	4
BIOLOGY	3
MATHS	1
Total	12

4.3.6. How does the library ensure purchase and use of current titles, important journals and other reading materials?

The college makes the following provisions for the purchase of books, journals and other reading materials.

- Rs. 30,000 are allocated to physics and chemistry and Rs.10, 000 each for rest of the departments every year for the purchase of books, journals and other reading materials.
- The UGC grants, whenever received for the purchase of books are optimally utilized.
- Rs. 7, 80,000 fund was spent on the purchase of books and journals during the last five years.
- Altogether a total sum of **Rs8,48,299** was utilized for the purchase of books during the last five years.

4.3.7. If the library has an archives section, to what extent is it used by the readers and researchers?

NIL

4.3.8. How are the on-line and internet services in the library used by students and faculty? Specify the hours and frequency of use.

On-line and internet services are available in the library.
- At present there are **03** no. of computer equipped with internet facility for the use of the students during library hours.

- Some departments also have separate computers with internet facilities for the students.
- Faculty members usually access the internet through the departmental computer.

4.3.9. Are the library services computerized? Does the institution make use of INFLIBNET/ DELNET/ other facilities? Give details.

- Yes, Library automation has been completed.
- Bar coding has been completed.
- DELNET facility.

4.3.10. How many days is the library kept open in an academic year? How long is the library kept open per day – During normal working days, during examinations?

The library is kept open on all days except on Sundays and public holidays.
During normal working days and during examinations the library is kept open as per routine timings for the convenience of the students.

4.3.11. Does the library have an Advisory Committee? What are its functions?

Yes, the library has an advisory committee. Purchases are made on the recommendations of the respective departments and final approval of the Principal.

4.3.12. What is the amount of money spent on new books, journals during the last five years?

Details of expenses on new books and journals during the last five years are given below.

Year	Expenditure
2008-2009	1,11,624
2009-2010	1,50,779
2010-2011	2,51,724
2011-2012	1,93,190
2012-2013	50,342
2013-2014	90,640
total	**8,48,299**

4.3.13. How does the library motivate students/ teachers to read existing and new arrivals?

The college students are motivated to make optimal use of the books and journals available in the library.

- At the commencement of each semester the dedicated faculty members counsel the students on the resources available in the departmental as well as central library.
- New arrivals are displayed in the display section of the central library.
- Departmental library schedule is intimated to the students.
- Circulation of books is ensured by lending books for specified durations.

4.3.14. What are the special facilities offered by the library to the visually challenged and physically challenged person? How are they used?

- Since the library is situated on the ground floor physically challenged students can access it easily. Help is extended by the library staff as and when needed.
- There are no facilities for visually challenged students.

4.3.15. List the infrastructural development of the library over the last five years?

- A separate enclosure has been made for the display of magazines and periodicals.
- Local and national dailies are available for the students.
- Encyclopaedia has been made available.
- Library is completely automated.
- Bar coding has been completed
- Computers with internet facility have been made available.

4.3.16. Describe the various information services provided by the library? (clipping, reference etc.)

The library has no service like clipping. However there is a reference section in the library.

4.3.17. Describe steps taken for making the library user-friendly.

- Faculty members may borrow necessary books as per need.
- Information regarding new arrivals is displayed.
- Magazines, periodicals, local and national dailies are kept in a separate enclosure.

4.4 ICT as a Learning Resource

4.4.1. How is the computer facility extended to all faculty and students?

The college has extended computer facility to all faculty and students. The college have leased line internet facility is available 24x7.

- The office of the Principal has four computers with internet facility.
- All departments are equipped with computer and internet facility for both faculty and students.
- The library has **03** computers with internet facility, which can be used by the students during library hours.
- All the computers (20) in the Computer laboratories (10) are connected to the internet.
- The Central Instrumentation facility has one computer with internet facility.
- In some departments computers with internet facility have been installed exclusively for students.

4.4.2. How is the faculty facilitated to prepare computer aided teaching/ learning materials? What are the facilities available in the college for such efforts?

After the previous accreditation, the college made all possible efforts to increase computer awareness and motivated the faculty to use this resource in the teaching-learning process. The following steps were taken in this regard:

- A language lab has been installed at a total cost of **Rs.** 300000
- White boards and multimedia projectors have been installed in some classrooms for IT enabled teaching.
- OHP is also used as teaching aid.

4.4.3. How many computers are there in the college?

The college has a total of **43** computers.

4.4.4. Is there a central computing facility? How favorable are its timings, access and cost to both students and faculty?

There is a central computing facility on the first floor with **10** computers for the use of the students between 9 am and 5 pm.

4.4.5. How many departments have computers of their own? Specify the numbers.

103

All the departments have computers of their own.

Sl.No	Department	Computers	Laptops	LCD/OHP	Printers
01	Physics	8	1	1	1
02	Chemistry	10	1	1	1
03	Maths	1			1
04	Botany	1			1
05	English	1			1
06	History	1			
07	Economics	1			1
08	Language	1			
09	Commerce	1			1

* The departments are administered from the same room and by the same faculty.

4.4.6. How are the computers and its accessories maintained in the department?

There is a central administrative centre having **01**hardware support staff that is responsible for the maintenance of the computers and accessories in the various departments.

4.4.7. What is the output of the various departments in developing computer aided packages for their discipline?

- All the departments make optimal use of computers to develop teaching material.
- Some departments (especially Sciences) have started computer-aided learning.
- Students can access important papers, journal publications, course material and reference reading material stored in the hard disk of the departmental computers.

4.4.8. Describe the nature of internet services available to students and faculty.

The college has two types of internet services.

- BSNL lease line LAN
- Wi-Fi in computer lab

4.4.9. How are the institutional website and web-based facilities used and updated for the benefit of teachers, students and other stakeholders?

The college has dynamic website named www. srivyasanss.ac.in

- The institutional website is maintained by WEBAPS and the college has its own web server situated in the campus.
- The website offers all kinds of information about the college.
- The website has a link to a placement portal for the students of the College
- The website offers feedback system for students and their results.
- The attendance monitoring system is coming up.

4.5 Other facilities

4.5.1. Are there hostel facilities available on the campus?

NIL

4.5.2. Are there hostels for women students?
Nil

4.5.3. How many students stay in the hostel? How many rooms are there in the hostel? Is the accommodation sufficient to meet the demand?

NIL

4.5.4. What facilities are provided in the hostel?

4.5.5. Does the institution have a health centre?

Yes, the institution has a health centre.

- A doctor visits the centre thrice a week.
- In case of an emergency, the cases are referred to the Hospital which is located nearby.

4.5.6. What health care facilities are provided by the health care centre?
- First-aid kit
- Weighing machine

4.5.7. Does the institution have canteen facilities?

Yes, the college has canteen facilities.

- The canteen is located at the far end of the college ground.
- The canteen has built in an area of approximately 1250 sq ft.

☐ The renovation and reconstruction plan has been approved .

4.5.8. Does the institution have a student centre?

A room has been provided to the class representatives to conduct meetings, related to the various extra-curricular activities organised in the college.

4.5.9. Does the institution have a Placement Centre?

Yes, the institution has a placement cell which is very active. Many students have been recruited by various reputed companies like Wipro, Aquaguard etc.

4.5.10. What are the physical and infrastructure facilities available for the sports and physical education centre?

The college has appointed a Physical training Instructor who is responsible for conducting various sports activities throughout the year. A separate office has been provided to him.

- Inter-class football, basketball and cricket tournaments are conducted every year which generate great enthusiasm among the students.
- Annual sports day is also organised.
- The college has a playground on which football, hockey and cricket matches can be played.

4.5.11. Does the institution have a workshop/ instrumentation centre? What are the physical facilities available in the centre?

Yes, there is an instrumentation centre.FTIR, DSC, UV visible spectrophotometer, rota vaccum evaporator

4.5.12. Has the institution drawn a master plan for campus development?

Yes, the college has a master plan. See appendage.

4.5.13. What other infrastructure facilities like conference rooms, common rooms, staff rooms, auditorium, parking sheds, etc., are available in the college?

The following is the list of infrastructural facilities available in the college.

- Conference rooms
- Common rooms
- Each department has its own staff room
- Auditorium

- Parking sheds
- Information office
- Post office
- Generator room
- Security cabin
- Photocopy outlet

4.5.14. What are the communication facilities (telephone, STD, ISD) available on campus?

Yes. The college has communication facilities on the campus.

- All departments are connected through intercom.
- Intercom facility is also available to the canteen and main gate.
- STD/ISD is available in the Principal's office and exam office.

4.5.15. Describe the facilities like transport, electricity and water supply.

Electricity

- Two Govt. high tension transformers are erected in the campus.
- Generators provide electricity during power outages.

Water supply

- Water supply is ensured through open well, Pond and deep tube wells .

4.5.16. Describe the nature of landscape developed including approach roads, garden, etc., to contribute to ambience.

The college is situated just in the outskirts of the city which makes it easily approachable

- The path leading to the college building and auditorium is paved.
- There is a signboard to indicate the locations of the various blocks and offices at the entrance to the building.
- The ambience of the place is enhanced by the presence of a large number of ornamental plants and trees.

4.6 Best Practices in the development of infrastructure and learning resources

4.6.1. Describe the best practices for the development of infrastructure and learning resources adopted by the college with reference to physical facilities and its

maintenance/ library as a learning resource/ ICT as a learning resource and other facilities to create learning and ambience.

Infrastructure and learning resources with reference to physical facilities and its maintenance

- The location of the college is 5 kms away from the town.

- The college has imposing buildings, adequate parking space, playground, canteen, clean and well-maintained campus, which inspires confidence in the students and visitors.

- Adequate funds are allotted for the maintenance of the existing infrastructure.

- A Central instrumentation facility has been established to promote research, consultancy and extension.

- Maintenance of computers and instruments is done by skilled and competent personnel.

- Basic research facility has been extended to all Science departments.

- Some departments have been provided with OHP, LCD/ Multimedia projectors and laptops.

- Each department has a desktop computer with internet facility.

- The campus has been equipped with LAN and wifi facility.

- Security guards, carpenters, electricians, plumbers and gardeners have been appointed on permanent basis to cater to specific needs.

- Periodic meetings of IQAC and HoDs are held for suggestive measures for further improvement.

Library as a learning resource

- The Principal takes the final decision regarding the purchase of books after the recommendations of the HoDs.

- The library is automated. Bar coding has been completed.

- A reading enclosure has been constructed in the reading room.

- Magazines and periodicals are displayed for the convenience of the students.

- Students can avail internet facility at the library and the departments.

ICT as a learning resource

- A language Lab has been set up to improve the communication skills of the students.

- Each department has a desktop computer with internet facility.

- General computer facility is available in the library and in the central computing

facility.

- After the previous accreditation the college has spent **Rs. 5,00,000** towards the purchase of new computers, laptops and other ICT related equipment.

Other facilities

- Enviro club, Nature club, Entrepreneurial development club exists for students to participate in extra/ co-curricular activities.
- NCC and NSS are active bodies.
- Placement Cell, alumni office and conference rooms exist in the campus.
- Common room for girls exists with washroom and recreation facility.
- Canteen provides edibles at nominal rates.
- The ambience of the college acts as pheromone to the stakeholders.
- 01 photocopying facility for students exists in the campus.

CRITERION V: Student Support and Progression

5.1 Student Progression

5.1.1. How does the institution monitor student progression?

The academic progression of the students is monitored through the following methods.

- Classroom performance.
- Assignments.
- Attendance.
- Internal exams
- Test papers

  Due to the above mentioned methods the average pass % of degree students in the various courses in the last five years has been the following:

UNIVERSITY EXAMINATIONS-UG EXAMINATIONS

Year	Class	Pass %
2007-2008	ENGLISH	61
	ECONOMICS	92
	HISTORY	83
	MATHS	90
	PHYSICS	69
	CHEMISTRY	79
	BOTANY	100
	COMMERCE	61
2008-2009	ENGLISH	63
	ECONOMICS	96
	HISTORY	85
	MATHS	91
	PHYSICS	71
	CHEMISTRY	81
	BOTANY	100
	COMMERCE	63
2009–2010	ENGLISH	82
	ECONOMICS	95
	HISTORY	95
	MATHS	91
	PHYSICS	90
	CHEMISTRY	70

	BOTANY	87
	COMMERCE	76
2010–2011	ENGLISH	81
	ECONOMICS	96
	HISTORY	94
	MATHS	94
	PHYSICS	88
	CHEMISTRY	85
	BOTANY	100
	COMMERCE	76
2011–2012	ENGLISH	78
	ECONOMICS	92
	HISTORY	100
	MATHS	100
	PHYSICS	83
	CHEMISTRY	84
	BOTANY	91
	COMMERCE	75
2012–2013	ENGLISH	78
	ECONOMICS	48
	HISTORY	82
	MATHS	69
	PHYSICS	77
	CHEMISTRY	61.1
	BOTANY	88
	COMMERCE	90.7
2013–2014	ENGLISH	68
	ECONOMICS	66
	HISTORY	67
	MATHS	83.33
	PHYSICS	45.16
	CHEMISTRY	65.4
	BOTANY	71
	COMMERCE	83.33

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PG Examinations

Year	Class	Pass %
2007-09	Physics, Chemistry	**50** , 58.3
2008-10	Physics, Chemistry	**55** , 58
2009-11	Physics, Chemistry	**83** , 70
2011-12	Physics, Chemistry	**81,73**
2012-13	Physics, Chemistry	**91,100**
2013-14	Physics	**83.33**

5.1.2. What is the student strength of the institution for the current academic year? Give the data gender-wise, state-wise and nationality-wise.

Student strength of the institution for the academic year 2014- 2015

SUBJECT	ST M	ST F	SC M	SC F	OBC M	OBC F	GENERAL M	GENERAL F	TOTAL M	F	GRAND TOTAL
BSC.PHYSICS	0	0	12	3	18	33	27	9	57	45	102
BSC CHEMISTRY	0	0	3	12	9	3	27	33	39	48	87
BSC BOTANY	0	0	6	15	3	12	9	63	18	90	108
BA HISTORY	0	0	12	18	30	24	21	45	63	87	150
BA ENGLISH	0	0	6	12	18	21	9	24	33	57	90
BA ECONOMICS	0	0	18	18	6	36	39	33	63	87	150
B.COM	0	0	24	12	20	52	30	42	74	106	180
BSC MATHS	0	0	9	6	15	27	15	18	39	51	90
MSC ,PHYSICS	0	0	2	4	4	8	6	12	12	24	36
MSC CHEMISTRY	0	0	1	2	6	18	3	3	10	23	33
MSC MATHS	0	0	2	4	3	9	6	12	11	25	36

On the basis of 2014-15 enrolment.

Course	Home State	Other State	NRI	Overseas	Total
UG	349	0	0	0	349
PG	35	0	0	0	35

5.1.4. What percentage of the students on an average progress to further studies? (UG to PG and PG to Research) Give details of the last five years.

S.No.	Year	No. of Students
01.	2006	25%
02.	2007	24%
03.	2008	26%
04.	2009	27%
05.	2010	26%

06	2011	27%
07	2012	26%

08	2013	28%
09	2014	30%

5.1.5. What is the dropout rate for the different years after admission?

Dropout rates vary between 10-12% per year on an average due to the selection of the students in various competitive examinations like medical and engineering.

5.1.6. What proportion of the graduating students has been employed for the last five years? Provide placement record for the last five years.

S.No.	Year	No. of Students Employed
01.	2006	292
02.	2007	306
03.	2008	307
04.	2009	314
05.	2010	318

5.1.7. How many students appeared/ qualified in UGC-CSIR-NET, SLET, IAS, GATE/ CAT/ GRE/ TOFEL, GMAT/ Central/ State Services

Competitive Examinations? (Last five years)

STREAM	NO.OF STUDENTS
GATE	08
CSIR	22
CAT	110
GMAT	100
PSC	400

5.1.8. Give comparative picture of institutional academic performance in relation to university average.

Data unavailable.

5.1.9. Describe efforts made by the institution to facilitate progression to employment.

The institution makes all possible efforts to facilitate progression to employment. The following methods are adopted.

Curriculum redesign

- The curriculum provided by university is reviewed and add on courses are provided in such a way that the students' employability quotient is enhanced.
- The feedback of the stakeholders on curricular matters is given due credit

Campus recruitment

- Place Cell is actively involved in inviting various companies and informing the students on matters of employment.

Self-development

- Language lab has been set up for enhancing the communication skills of the students.
- ICT has been introduced at all levels to make the students more competent.
- Physics , Mathematics and Chemistry departments organize CSIR-NET coaching classes for postgraduate level students.

5.2 Student Support System

5.2.1. Does the institution publish its updated prospectus and handbooks annually? How the information is disseminated to students?

Yes, the college publishes its updated prospectus and handbook annually. The information is also disseminated through the college website

The college handbook provides information about

- Vision and mission of the college
- Commitments, objectives of the college
- Organizational structure
- various courses offered
- Staff members – both teaching and non-teaching
- Rules and regulations of the college
- Pattern of Examination, evaluation system and requirements for promotion
- Prizes and Burses to meritorious students
- Extra-curricular activities like NCC, NSS and Sports etc.
- Academic calendar
- List of committees in the college
- Student support services
- Add-on courses

5.2.2. Does the institution have a website? Give details on information available for students

Yes, the college has a dynamic website www.srivyasanss.ac.in

The website provides the following information to all.

- History, vision, mission, objectives and motto of the college.
- Management
- Affiliation
- Admission procedure
- Attendance and examinations
- Student Freeships offered

- Library and reading room facility
- Courses offered
- Results
- Faculties
- Alumni
- Rules and regulations
- Placement cell
- IQAC
- RTI

5.2.3. Does the institution provide financial aid to students? Specify the type and number of scholarships/ free ships given to the students last year. What types of insurance covers are available to students?

Yes, the college provides financial aid to students in the form of free ships and scholarships.

- As it is an aided college, all students are under the free ships
- The college also arranged the government scholarships for 2245 students in the tune of Rs. 61, 42,460=00.

The college does not provide any insurance cover to the students

5.2.4. What type of support services are available to overseas students?

At present there is no overseas student present in the college.

5.2.5. What support services are available to SC/ ST students and Differently-abled students?

The college provides following services to the SC/ST students:

- During admission the SC/ST students get a reservation of 20%, respectively of the total seats available in a course.
- Government scholarships are arranged for the students.
- Special care is taken by arranging tutorial classes and providing personal guidance to fulfill the commitments of the college.

The college is sensitive to the needs of differently-abled students:

- Differently-abled students are given due consideration in the admission process, which is 3 % as per policy of the govt. of Kerala.
- Vehicles of such students can come up to where the staircase begins.
- Manual help is extended whenever they are in need.
- A ramp has been set up to felicitate the movements of differently – abled students.

5.2.6. Does the institution offer placement and counseling services to students? Is there special counseling for women students?

Yes, the college offers placement and counseling services to all students. There is no separate counseling for women students. A Women's Cell exists to cater to the needs of women students.

5.2.7. Does the faculty participate in academic and personal counseling? How many have participated last year?

As counseling is a day-to-day activity all the HODs and faculty members are involved in academic and personal counseling from time to time. Students are encouraged to approach the HODs and faculty members whenever they are in need of guidance and counseling regarding higher studies, placement opportunities, preparation for competitive examinations as well as the problems faced by them in the college regarding academics and other activities.

5.2.8. Has the employment cell encouraged students to be self-employed during the last five years? What are its activities?

The college does not have an employment cell to look after self-employment. However, the placement cell provides employment opportunities to students. All the vocational courses have been designed to promote self-employment among the students. The college has a career and counseling centre.

5.2.9. Does the institution have an alumni association? What are its activities?

Yes, the institution has an alumni association named old students association (OSA)

- Blood donation camps
- Tree plantation

- Annual get-together
- Career counseling
- Organizing quiz programmes, debates etc. for students
- Organizing medical check-up camps for students
- Supporting Alma mater in developing infrastructure
- Adopting a village school for its integral development

5.2.10. List the names of top 10 most renowned alumni of the college along with their designation.

S.No.	Name	Designation
1.	K.Radhakrishnan	Former legislative assembly speaker
2.	Prof.Raghu	IISC,Bangalore
3.	Prof.Pradeep Parameswaran	IIT,MANDYA
4.	Prof.Raveendra Kumar	Plant taxonomist
5.	Rachana Narayanankutty	Cine artist
6	Mr.sujith	cartoonist
7.	K.Kalidasan.	Chief Manager, Vijaya Bank Thrissur.
8.	Sobhana. P.M	Dept Secretary, Minority Welfare Dept, Govt. of Kerala .
9	Prasannakumar.A	Chief Manager, SBM, Coimbatore
10	K.A.Abraham	Dy. Manager, SBI

5.2.11. Are the alumni contributing to the development of the institution? Specify how.

The alumni contribute to the development of the college in the following ways:

- Feedback on all matters related to the college

- Alumni members residing in various parts of India and abroad share their experiences with staff and students whenever they visit the institution

- Conducts tree plantation and organizes blood donation camps in the city from time to time.

5.2.12. Does the institution have a Grievance Redressal Cell? What are its functions?

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The college has Students' Welfare and Grievance Redressal Cell which consists of the teaching staff with the Principal as its Chairman.

- Grievance Redressal Box is placed in the ground floor of the college in which students put their grievances in writing.

- The members of Grievance Redressal Cell meet twice in a year to discuss the grievances and often for urgent matters.

- Corrective measures are taken and accordingly notified.

- The suggestive measures given by the students are also considered in preparing curriculum and other developmental processes.

- Students also interact directly with the teachers of the respective department with their problems who try their best to solve the problems then and there in their capacity

5.2.13. List the number of grievances redressed during the last two years.

The college has a Grievance Redressal Cell functioning at Department level and College level. Grievance boxes have been installed inside the college campus. Complaints, if any, can be dropped in the boxes and necessary actions are taken immediately. If the case is not redressed at the department and college level that will be directed to Grievance Redressal Cell functioning at the University level.

The grievances put forth by the students and the actions taken are as follows:

WOMEN'S GRIEVANCE REDRESSAL CELL

A Women's Grievance Redressal Cell is working in the College. The cell consists of The Principal, Circle Inspector of Police, two women civil police officers and a woman member from Wadakkanchery Block Panchayath .Six members from the college also assist the cell. The main purpose of the cell is the redressal of the issues and problems related with women. Therefore, whenever a problem arises the cell is ready to look into the matter seriously. One complaint box was installed inside the college and one outside the college. Complaints were received in the cell for the last four years mainly on teasing problems and solved through discussions. Sessions of discussions and awareness programs against ragging and classes on personality development, pre-marital counselling, legal awareness, health improvement were conducted. Special occasions like Mother's Day, International Woman's Day, Independence Day etc were celebrated by the cell.

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5.2.14. Is there a provision for welfare schemes for students? If yes, give details.

Yes, the college provides the following welfare schemes for the students:

- The college provides student scholarships to needy students. In the last five years the college disbursed a sum of Rs. 20,115

- The college also arranged for government scholarships for the students. In the last five years the college has disbursed a sum of Rs. 61, 42,460 to 2245 students.

- The college provides health care facility in the campus. The doctor is available on a visiting basis. The government Hospital is situated just near to the college which helps out in case of any emergency.

- *The college has an active Women's Cell which look after the welfare of the girl* students.

5.2.15. Is there a cell to prevent Sexual Harassment? How effective is the cell?

Yes, the college has a cell to prevent Sexual Harassment. The college takes utmost care that cases of sexual harassment whenever occur in the college campus. In case any such incident is reported, the Principal, after verifying its authenticity, takes necessary disciplinary action in consultation with the senior faculty members, the Women's Cell and the Students welfare cell. So far no such cases have been reported.

5.2.16. What are the efforts to provide legal literacy to women?

Legal literacy classes used to conduct every year.

5.2.17. What are the support services made available for differently-abled students?

The college is sensitive to the needs of differently-abled students. For this purpose Vehicles of such students can come up to where the staircase begins. Manual help is extended whenever they are in need.

5.2.18. What specific measures has the institution taken to enhance the quality of education with reference to student support and progression?

- ICT has been incorporated in many subjects.

- Subsidiary paper is offered to all the students irrespective of stream.
- Add-on courses contribute significantly to the students' vertical and horizontal development.
- The curricula of all the courses have been reviewed and gaps are filled through the add on courses to cater to the local, national and international needs.
- Infrastructure is being continuously upgraded to provide better facilities to both faculty and students.

5.2.19. What are the health services available to students such as resident doctor, group health insurance scheme, etc.?

The college provides health care facility on the campus.

- Although there is no resident doctor in the campus, the college has made provisions for a doctor on a visiting basis thrice a week. The college has set up a clinic which can be visited by the students in case of health problems. The clinic is equipped to cater to cases of minor nature.
- The college has a permanent compounder to look after medical cases of minor nature.
- The government Hospital is situated near to the college which helps out in case of any emergency.
- The college has not yet been able to start group insurance scheme for the students.

5.2.20. Describe the safety, measures provided by the institution like security and adequate lighting, etc.

Adequate security is provided to the students in the college.

- The college has only one entry/exit gate which makes it easier to man the place.
- The security personnel keep in constant touch with the Principal
- Fire extinguishers have been installed to meet any emergency.
- Adequate lighting facility is available in all classrooms and laboratories.
- The college has generators to tide over power shortage.
- Surveillance cameras have been installed in main gate, corridors and library.

5.3 Student Activities

5.3.1. What are the various cultural activities organized by students?

The college takes special interest in promoting cultural activities.

Major clubs: *Fine Arts Club, Theatre Club, Music Club, and Film Club,* **Teachers in charge:** A team of teachers are there to promote the cultural activities.

5.3.2. Furnish information regarding the participation of the students in extra-curricular activities and co-curricular activities?

Students participate in extra-curricular activities through the following :
- NSS
- NCC
- CSS
- Nature Club
- Entrepreneurial Development Club
- Photo Exhibition
- Debate competition, Quiz competition

5.3.3. What are the incentives given to students who are proficient in sports?

- Special Consideration is given during admission to students who are proficient in sports.
- Special prizes and cash awards are given away on Annual Sports Day.

5.3.4. Give details of the participation of students in sports and the outcome, at the state, regional, national and international levels, during the last five years?

Year	Item	Status	Position
2007-2008	Power lifting	Regional	First position
2007-2008	Football	Regional	First position
2007-2008	Power lifting	National	Third place
2007-2008	Power lifting	Regional	Third
2007-2008	Power lifting	National	second place
2007-2008	Power lifting	National	first place
2007-2008	Weight lifting	National	Second place
2008-2009	Football	Regional	First place

2008-2009	Football	Regional	second place
2008-2009	Football	Regional	Third place
2008-2009	Power lifting	National	Second position
2008-2009	Power lifting	regional	First place
2008-2009	Body building	Regional	Fourth position
2009-2010	Football	Regional	First place
2009-2010	Football	Regional	Third place
2009-2010	Power lifting	Regional	second place
2010-2011	Power lifting	Regional	First place
2010-2011	Kalaripayattu	Regional	Second place
2011-2012	Football	Regional	Third place
2011-2012	Yoga	Regional	Fourth place
2011-2012	Kalaripayattu	Regional	Second place

5.3.5. Does the institution collect feedback from students? Describe the mechanisms and using it for improvement?

Yes, the college has a well developed mechanism for collecting feedback from the students.

A three level feedback mechanism is arranged. The students are asked to gave their feedback on Institution, department and teachers.

5.3.6. Describe the steps taken for encouraging student participation in institutional activities.

The following steps have been taken by the institution to encourage student participation.

- Class Representatives are elected through a parliamentary system and these representatives meet with the Principal on several occasions to discuss matters related to students' problems.
- Student feedback on academic and administrative affairs.
- Students Grievance Redressal Cell.
- Participation in extra-curricular activities, College Annual Day as volunteers.
- Meetings of women students with the Women's Cell.

5.4 Best Practices

5.4.1. Describe the best practices of the college in terms of student support/ student progression related activities.

- Dissemination of information to the students through college website, handbook and academic calendar.
- Orientation at the college and department level on the first day.
- Display of syllabus on the notice board with schedule of classes.
- Display of Library schedule
- Academic and personal counselling by the faculty.
- Promotion of leadership qualities through extra/co curricular activities such as NCC, NSS, Sports and extension
- Value addition through Add-on courses and ICT
- Skill development through quizzes and exhibitions.
- Establishment of clubs like Enviro Club and Nature Club
- Scholarships to economically weak students.
- Special prizes and burses given semester-wise and subject-wise on College Annual Day
- Linkage for project work/ on-the-job training.
- Providing user id and password to students to access the internet.
- Development of research aptitude through project work/ student seminars.

CRITERION VI: Governance and Leadership

6.1 Institutional Vision and Leadership

6.1.1. Does the institution have a mission statement and goals in tune with the objectives of higher education?

The college has a mission statement and goals which are in tune with the objectives of higher education and the emerging global, national and regional concerns. In this context the college aims at an integrated and personalized education of the young so as to produce intellectually competent, morally upright, socially committed, spiritually inspired and nationally dedicated men and women in the service of India, today and tomorrow.

- The college is committed to the promotion of justice and national integration.

- It is committed to the education and empowering of the lesser privileged social groups such as the dalits, economically backward classes, women and other vulnerable sections of the society.

- The motto of the college is 'excellence in any work' which means which relates to the objectives of higher education.

6.1.2. What are the leadership functions of the Head of the Institution? How is the leadership system established in the college?

Sri Vyasa N.S.S. College, Wadakkanchery is one of the premier colleges of the state of Kerala. The college is being run by Nair Service Society, a great social organization of long standing founded by Sri Mannath Padmanabhan since the year 1971-72. The college was established with a clear vision and mission. The main objective of the college is to contribute to the transformation of prevailing social conditions so that values enshrined in the constitution of India; social justice, equality of opportunity, democratic freedom to all, tolerance and respect to all religions may be brought closer to realization, opening up to the people of our country with special emphasis on Kerala for greater possibilities of the existence of real human beings. The Manager is the Secretary of the Governing Body of the college. Principal is the academic head of the college and is involved in co-coordinating all the functions associated

with the post.

- Efficient and effective leadership is carried out through de-centralization in the form of setting up of various policy making bodies such as the Governing Body, the Examination Committee, the Finance Committee, IQAC, Cultural Committee, Discipline Committee, Anti-Ragging Committee, Placement and career Counseling Cell and Grievance Redressal Cell.

- These committees are comprised of faculty members, who meet periodically and review the matters concerning their activities.

- The existence of such consultative boards and the active participation of the staff assist the principal in carrying out the duties of the head of the institution.

- The principal is both the academic as well as the administrative head of the institution. He provides valuable guidance in planning, organizing and execution of all academic activities.

- He maintains a cordial relationship with the staff and all the stakeholders of higher education.

- He is responsible for admission of students, finance, conduct of various committee meetings, students' welfare, discipline and all regular activities of the college.

6.1.3. What measures are taken by the institution to translate quality to the functioning of its various administrative and academic units?

The college encourages participatory approach to translate quality to the functioning of its various administrative and academic units.

- The administrative and academic functions are stream-lined with the help of various committees.

- Quality is also translated into the functioning of administrative units through staff recruitment procedure, allocation of funds, computerization of administrative offices, automation of library and providing internet facility for the staff and students in the campus.

- The college prepares, in advance, its handbook and own academic calendar with slight modifications from the academic calendar of the parent university. The modifications relate to the scheduling of vacations, prospective dates of mid-semester and end-semester exams and commencement of semesters.

- IQAC is responsible for ensuring quality in all academic activities which leads to the overall development of the institution.

6.1.4. How are the faculties involved in decision-making?

The faculty members are involved in decision-making by serving as conveners, coordinators and members in various academic and administrative committees

- The college has a Staff Council with the Principal as its President. All permanent faculty members are ex-officio members of this body, which is statutory in nature. The Secretary and asst. Secretary are elected representatives of the staff.
- The Staff Council deliberates on various academic and administrative matters related to the college
  - Faculty members are also nominated to various committees like Examination Committee, Finance Committee and IQAC (7 members besides Principal)
  - The Principal conducts meetings with the various committees and departments on a periodic basis to monitor the development of the college
  - Members of the staff are also involved in various other committees such as Grievance Redressal Cell, Anti-Ragging Committee, Discipline Committee, Games and Sports Committee, Cultural Committee, Publication Committee and Placement & Career Counseling Cell

6.1.5. Give a flowchart of academic and administrative decision making process.

ORGANIZATIONAL STRUCTURE

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                    ┌─────────────────────────┐
                    │   GENERAL SECRETARY     │
                    └───────────┬─────────────┘
                                │
                                ▼
                    ┌─────────────────────────┐
                    │     Director board      │
                    └───────────┬─────────────┘
                                │
                                ▼
                    ┌─────────────────────────┐
                    │   Education secretary   │
                    └───────────┬─────────────┘
                                │
                                ▼
                    ┌─────────────────────────────┐
                    │  College central committee  │
                    └───────────┬─────────────────┘
                                │
                                ▼
                        ┌───────────────┐
                        │   PRINCIPAL   │
                        └───────────────┘
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HOD PHYSICS	HOD CHEMISTRY	HOD MATHS	HOD BOTANY	HOD COMMERCE	HOD ECONOMICS	HOD HISTORY	HOD ENGLISH

FACULTY PHYSICS	FACULTY CHEMISTRY	FACULTY MATHS	FACULTY BOTANY	FACULTY COMMERCE	FACULTY ECONOMICS	FACULTY HISTORY	FACULTY ENGLISH
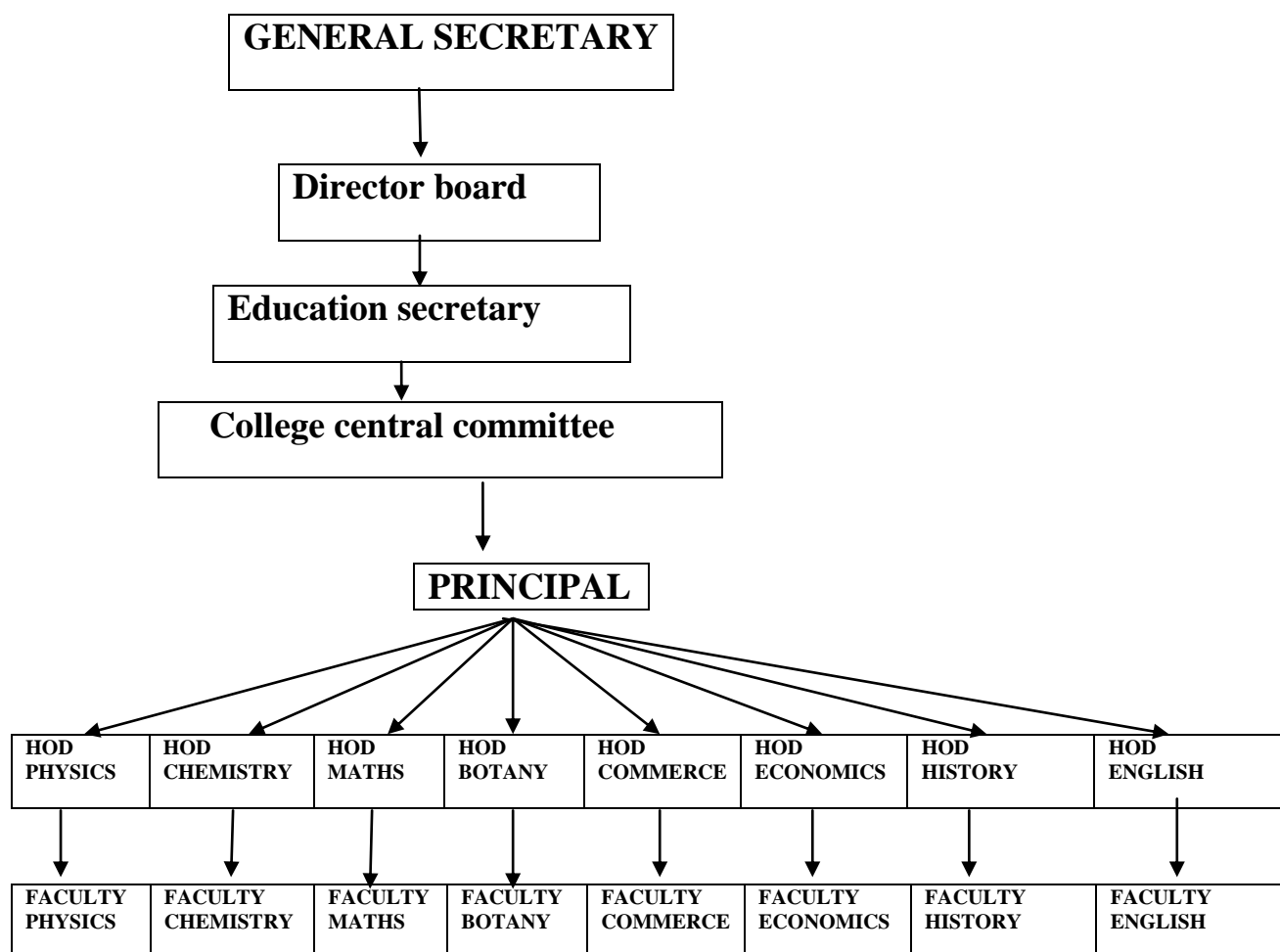
6.1.6. Describe reforms in the management techniques employed and efforts to value employees' contribution.

The following reforms have been adopted by the management for the smooth functioning of the college and to value employees' contribution.

- ☐ The college decentralized the administrative set up by forming various committees such as Grievance Redressal Cell, Anti-Ragging Committee, Discipline Committee, Games and Sports Committee, Cultural Committee, Publication Committee and Placement & Career Counseling Cell.

- For efficient management, greater accountability has been vested on the staff members.

- Formation of Advisory Committee such as IQAC to advise the

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Principal on UGC norms and regulations.

- Research facility is made available to the staff through infrastructure and academic support.

  All these reforms have contributed to better coordination among the departments and for the overall growth of the college.

6.2 Organizational arrangements

6.2.1. Give the organizational structure and details of the units of the statutory bodies?

The college follows UGC guidelines for organizational structure.

- College Governing Body
- Academic Council
- Finance Committee
- Examination Committee
- IQAC
- college council

Units of statutory bodies

The Governing Body of the college:

    NSS Director Board
    College Central Committee (governing body)

The College Council:

Principal
Secretary
Head of the Departments
Two Elected Members
Librarian
Physical Education Faculty member

Examination Committee

Three faculty members nominated by Principal

IQAC

Principal
Convener
Faculty members   - 7 (nominated by Principal)

6.2.2. Give details of the meetings held and decisions made, regarding finance, infrastructure, faculty, academic research, extension, linkages and examinations held during the last year.

- **College Governing Body**

  Once in a month

- **College Staff Council**

  Dates of meetings held :

DATE OF MEETING	DECISION
20/01/2012	Tutorial committee constituted, travelling allowance allotted as per UGC for first year students
22/02/2012	Decision about poor aid fund
06/03/2012	allotment of RS.10,000 for each department for book purchase
08/03/2012	Disciplinary decisions
09/03/2012	Disciplinary decisions
30/03/2012	Career guidance for third year students, decision about CSS certificate
01/06/2012	Admission procedures, decision about teacher evaluation, invigilation duty and welcome party for new comers.
13/07/2012	Datas of IQAR should be handover to IQAR coordinator, general time table decisions
31/07/2012	Formed enquiry commission for chaos and confusion in college, decisions about internal examination
10/08/2012	Report submission of enquiry committee, college student election postponed, commemoration of professors.
11/09/2012	Decisions about internal examination for first semester students
19/09/2012	Decision about exam schedule
8/10/2012	Class PTA&General PTA,Attendane,Career Guidance class, Farewell
5/11/2012	Condonation decisions
03/12/2012	Fifth semester internal grade submission
20/12/2012	Third and fifth semester internal uploading

- **Examination Committee**

  Twice in a year

- **IQAC**

  Monthly

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- **Meeting of Head of the Departments :**

    In association with staff council

6.2.3. How frequently are the meetings of the different statutory bodies held? Describe coordination among bodies like BOS, AC, EC, etc.

- The Governing Body meets once/ twice every year. Under special conditions, as and when required, emergent Governing Body meeting can be arranged with the permission of the chairman of the governing Body.
- The Staff Council meets two to three times a year.
- The Academic Council as per university rule
- The Examination Committee meets frequently and especially before and after the mid-semester exams.
- IQAC meets as and when required

6.2.4. What percentage of the management council's resolutions was implemented during the last year?

    99%

6.2.5. How is the administration decentralized?

The college has an organizational structure in which the Principal is the head of the organization.

- The Principal monitors the day-to-day academic and administrative activities, and is also responsible for all the major financial decisions related to the college.
- The college also has statutory bodies like Governing Body, Governing Board, Staff Council, IQAC, and Examination Committee which are involved in various decision making/ administrative activities of the college.
- Various other committees have been constituted to support the academic and administrative activities with staff as coordinators and members (and the Principal as Chairman).
- The Heads of the departments monitor the functions of the teaching and non-teaching staff (where applicable) of the departments.

- A separate office of Examinations has been established to carry out examination related work.
- A team of non-teaching/ office staff assists the Principal in the administrative work of the college.

6.2.6. Does the institution have an effective internal coordination and monitoring mechanism? Specify.

The internal coordination and monitoring mechanism is synchronized through the participation of the staff as members of various committees.

- During the celebration of days of national and religious importance, college day and other cultural events the various committees such as Cultural Committee, Disciplinary Committee, etc., are entrusted with conducting the events successfully.
- The individual departments are monitored by the respective HODs
- The administrative offices are monitored by the Principal.
- The Principal takes the final decision on all the matters related to the college.
- The Staff Council exists as an advisory body on academic affairs.

Due to the effective coordination of the various committees the college is able to conduct successfully various functions such as Convocation and College Annual Day.

6.2.7. How many times do the management and staff meet in an academic year?

The college has a staff council as per the statutes of affiliated colleges. The management and the staff meet at least once per semester to discuss the problems related to the staff and the students.

6.2.8. What are the informal/ decentralized organizational arrangements made by the institution for effective governance?

- The Principal is available during office hours to meet with parents, staff members and students on all working days.
- The Principal is responsible for catering to the day-to-day needs of the departments and students.

- The dedicated and committed faculty members contribute much to the effective governance informally by their dedication on all days.

- The faculty members work hard to maintain strict discipline in the college.

- All the faculty members are actively involved in all the functions of the college.

6.3 Strategy development and deployment

6.3.1. Does the institution have a perspective plan for institutional development? How is it made?

Yes, the college has a perspective plan for institutional development. The plans are discussed in the management meetings and also with the Staff Council as and when required. Implementation of the plans depends upon various factors such as the financial position, state laws, university statutes, etc.

Some of the plans implemented recently are:

1. Commencement of new courses at both UG and PG level
2. Establishment of a Central Research facility for the pursuit of higher research in Science
3. Setting up of a Language Lab for students to improve their communication skills in English

The growth and development plans are prepared keeping in mind the vision, mission and objectives of the institution.

6.3.2. Describe strategic action plan and schedule for future development.

The management and staff strive continuously to convert this college into one of the leading institutions of higher education.

- The college, by further enhancing the quality of education, research and maintaining high standard, wants to be rated as one of the best colleges in India.

- In order to develop e-learning materials the college has commissioned its own server.

- In the field of research the college desires to march upwards to meet the global standards.

- More employment facilities will be provided to the students by inviting

more companies for campus selection.

- Involvement of parents, students and other stakeholders in all areas of development will be encouraged more.

- ☐ The college also wants to open new courses at PG level.

6.3.3. Does the institution follow an academic calendar? How is it prepared?

Yes, the college follows an academic calendar.

- The academic calendar in the form of college handbook is given to all the students, which is prepared with due planning by a committee under the chairmanship of the Principal.

- The handbook provides entire information regarding the vision and mission of the college, objectives and aims of the college, different streams and various subjects taught with the list of faculty members and the rules and regulations regarding admission, examination and evaluation

- The prizes and certificates given to the students under different criteria are also included.

- In addition to these, the academic calendar indicates total working days, holidays, exam schedule, etc.

- The Principal also informs specific information to the students as and when required using the PA system.

6.3.4. During the last five years, specify how many plan proposals were initiated/ implemented?

General:

- Office automation
- Library automation

Academic:

- New courses at PG level : MSC MATHAMATICS
- New courses at UG level : Nil
  Examination:

- Conduct of supplementary and special supplementary examinations

Research:

- Establishment of Central Instrumentation Research laboratory
- New sophisticated instruments purchased for high quality research

Linkage:

- MoUs : One with NIT, Trichy

Infrastructure:

- Smart classes have been set up in Physics, chemistry and English departments.
- Modification in library
- Language laboratory
- Addition of new equipments to the laboratories.
- For the promotion of sports

6.3.5. What are the initiatives taken by the institution to make optimum use of the autonomous status?

- Raising of the accreditation status
- Proposals forwarded college for potential excellence

6.3.6. Has the college conducted an academic audit? Give details.

- The academic activities are monitored and reviewed in HODs meetings and IQAC meetings.

- At the end of each semester results are analyzed by respective departments, who then do the needful to improve the standards

6.3.7. Describe the institutional approach for decision-making and deployment.

The Principal of the college is involved in all the decision-making activities. He involves the various committees in this regard and implements the decisions in accordance with UGC guidelines

- Administrative decisions are taken with the approval of the Governing Body

- Academic decisions are taken with the approval of the Academic Council and IQAC
- Matters related to examinations are looked into by the exam committee
- Matters related to finance are addressed by the Finance committee.

6.4 Human resource management

6.4.1. How is the staff recruited? Illustrate the process of manpower planning.

The college follows the recruitment procedure for substantive teaching posts (govt. aided) according to the guidelines of the UGC adopted by the State Govt. of Kerala.

- Vacancies in substantive teaching posts are advertised in local and national dailies.

- All appointments to substantive posts are made according to the eligibility criteria laid down by the UGC (i.e. NET/ SLET/ PhD as a mandatory qualification) by a duly constituted Selection Committee comprised of the Principal, 1 Subject experts (One from outside the college ,One Government nominee, and management representatives .

- The college management also appoints qualified and meritorious teachers on management posts, following the same procedure

- Non-teaching vacancies are advertised in college and local dailies and the recruitment process is accordance with the norms of State Govt. and considering the minority rights given to the college.

  Staff members are recruited based on the student strength, posts sanctioned by the govt., and created by the management keeping in mind the workload of the respective departments.

6.4.2. How do you assess the need for staff recruitment?

- The need for the staff recruitment is assessed on the basis of the workload of the respective departments.
- The student strength is also a criterion to assess the need of recruitment.
- Recruitment procedure for any new subject is completed before the beginning of a semester.

6.4.3. What percentage of faculty is recruited from other institutions?

The college has 38 permanent faculty members and 09 temporary faculty members for regular and self-financing courses.

6.4.4. What is the ratio of teaching to non-teaching staff? : 1:1

6.4.5. Describe the strategy to attract and retain talented faculty in aided/ self-financing courses.

- The college administration makes the payment of salaries on the first day of every month under all circumstances.

- To involve the teachers in active research, necessary infrastructure is made available by the college.

- Teachers are motivated to apply for financial assistance to conduct seminars and workshops.

- Teachers are encouraged to apply for financial assistance for minor and major research projects.

- Academic freedom is given to all the departments.

- The management is flexible in allowing the faculty members to attend orientation/ refresher courses to fulfil their promotional criteria.

- The management provides financial assistance to attend the national/ international conferences for the enrichment of their academic knowledge.

6.4.6. Are the Government of India / State Government policies on recruitment followed in terms of reservation and qualification norms?

Yes. The college follows the norms of recruitment of faculty as laid down by the UGC and adopted by the state govt.

- A new appointment can be made by the management immediately after a vacancy is created in a department.

6.4.7. Does the institution appraise the performance of the non-teaching staff? Specify.

- The college appraises the performance of non-teaching staff (general administration) through the respective office superintendents.
- The departmental non-teaching staff is regulated by the respective HODs.
- The Principal is the final authority in all respects.

6.4.8. Does the institution have a 'self-appraisal method' to evaluate the performance of the faculty in teaching, research and extension programmes?

- The college follows a self-appraisal method of faculty through specific structural format issued by the parent university.

- Before applying for any promotion the faculty members need to fill up the self-appraisal report.

- The self-appraisal report reflects the teaching, research and other credentials of a faculty member.

- The self-appraisal report is analyzed by a committee constituted before considering the candidature for promotion.

- The college cannot promote a teacher from Assistant Professor to Associate Professor and Professor, since all these matters are considered by Govt. of kerala.

6.4.9. Are there any complaints, inquiries or legal suits pending against the functioning of the institution? Please give details.

No complaints, inquiries or legal suits are pending against the college.

6.4.10. Has there been any study conducted during the last five years by the college/ government or by any other external agencies on the functioning of any aspect of academic and administrative unit? Give details and enclose the reports.

1. UGC – NAAC Accreditation visit and the assessment published by NAAC

6.4.11. Has the institution conducted any programme for skill up gradation and training of the non-teaching staff based on the performance appraisal?

Computer training for non-teaching staff was organized twice during the last five years by the university

6.4.12. Does the institution conduct staff development programme for the teaching staff? Illustrate.

The college did not conduct any staff development programme during the last five years.

- The teaching staff is encouraged to attend orientation and refresher courses for self-development.

- The seminars/ conferences/ workshops etc… conducted by the various departments facilitate the staff to acquire more knowledge in their fields.

- Some staff members attended workshop on their respective disciplines. This was in response to a govt. directive to the college for the same.

6.4.13. Has the faculty been introduced to the use of computers, internet, audio-visual aids, computer aided packages, etc.?

- All the departments are provided with computers with internet facility so as to enrich the teaching staff.

- LCD and other audio-visual packages are made available so as to enrich teaching-learning programme and orient the teachers to ICT.

- Some classrooms are already equipped with multi-media projectors and the college aims at providing at least one multi-media room on each floor.

- The Language Lab is established to enrich and improve communication skills in English.

- The library is computerized; INFLIBNET facility is available for the benefit of both teachers and students.

6.5 Finance Management and Resource Mobilization

6.5.1. Provide details of the budget for the last financial year.

Remitted to the Government.

6.5.2. Is the operating budget of the institution adequate to cover the day-to-day expenses?

Yes. The operating budget of the institution is adequate to cover the day-to-day expenses.

6.5.3. Is the maintenance budget of the institution adequate with reference to its assets?

Yes, the maintenance budget of the institution is adequate with reference to its assets.

6.5.4. How is the budget optimally utilized?

The allotment of budgetary fund is utilized to cover for expenses under the following heads.

- Salaries of management staff (both teaching and non-teaching)

- Library expansion
- Purchase of apparatus for laboratories and other similar costs
- Examination department
- Security
- Infrastructure maintenance
- Electricity
- Sports and games
- Other miscellaneous expenses

6.5.5. Does the institution have a mechanism for internal and external audit? How regularly is it done?

Yes, the income and the expenditure are subject to both an internal as well as an external audit.
As per government rule

- The parent university also sends its officials to look into the accounts for the financial credits, if any, made to the college

6.5.6. What are the current tuition and other fees?

The fee structure depends upon the nature of the course .There is a difference in fees for govt.-aided and self- financed courses both at UG and PG level. The details are as follows:-

Courses	Annual tuition fee	Special fee	Lab fee	Caution deposit	total
1 BA Eco	1000	790		360	2150

1 BA ENG	1000	790		360	2150
1 BA HIS	1000	790		360	2150
1 BSC chem	1000	790	400	360	2550
1 BSC Maths	1000	790		360	2150
1 Bsc phy	1000	790	400	360	2550
1 Bsc Bot	1000	790	550	360	2700
1 B.COM	1000	790		360	2150

11 BA Eco	1000	705			1705
11 BA ENG	1000	705			1705
11 BA HIS	1000	705			1705
11 BSC chem	1000	705	400		2105
11 BSC Maths	1000	705			1705
11 Bsc phy	1000	705	400		2105
11 Bsc Bot	1000	705	550		2255
11 B.COM	1000	705			1705

111 BA Eco	1000	525			1525
111 BA ENG	1000	525			1525
111 BA HIS	1000	525			1525
111 BSC chem	1000	525	250		1775
111BSC Maths	1000	525			1525
111 Bsc phy	1000	525	250		1775
111 Bsc Bot	1000	525	250		1775
111 B.COM	1000	525			1525

1MSC Chem	1800	865	1200	600	4465
1 MSC phy	1800	865	1200	600	4465

1MSC Maths	1800	865		600	3265
11MSc Che	1800	705	1200		3705
11 MSC Phy	1800	705	1200		3705
11MSC Maths	1800	705			2505

6.5.7. How often is the fee revised?

The fee was revised every year before the commencement of and academic year. Revision of fees is on the basis of government rules.

6.5.8. What is the quantum of resources mobilized through donations? (other than block grants)

The college does not receive any donations. Expenses are met through the resources generated internally.

6.5.9. Narrate the efforts taken by the college for resource mobilization by various means.

Sri Vyasa N.S.S. College, Wadakkanchery is a grant-in-aid college, which means that budgetary deficit will be supplemented by the state govt. The govt. disburses the salaries of those posts sanctioned with finance for both teaching and non-teaching staff.

The fees collected from the students, which include staff fund and college fund, help the college to mobilize resources.

- The college uses these funds to pay the salaries of the teaching and non-teaching staff on the first of every month.

- The college receives the salaries of 37 teaching staff and 25 non-teaching staff from the govt. of Kerala periodically, which helps to replenish the depleted funds.

- The college receives financial help from philanthropists and sponsors when co-curricular activities are held in the campus.

6.6 Best Practices

6.6.1. Describe best practices in Governance and Leadership adopted by the college in terms of institutional vision and leadership / organizational arrangements / strategies development / deployment human resource management / financial management and resource mobilization.

Vision

The vision, mission and goal of the college are directed at the overall development of the students.

- The main goal of the institution is the education and upliftment of local population.

- The mission is translated into action and quality through the curriculum which, has been revamped to address current needs.

- The college tries to provide the best infrastructure possible for the students and staff.

- The ultimate objective of the college is to build upon the moral, ethical and cultural foundations of the students who are the future citizens of our vast and diversified nation.

- Value-addition is done, keeping in mind the employability of the students and the needs of the stakeholders.

Leadership

The Principal is the academic and administrative head of the college. He discharges his duties with dedication and utmost sincerity with the aim of translating the vision, mission and goals of the institution into reality.

- The Principal strives to coordinate all the activities of college with the active participation of the staff.

- The college has dedicated and competent faculty who are always eager to contribute to the progress of the college.

- The Principal establishes good rapport with all the stakeholders of higher education.

- The Principal has given a free hand to all departments to design their curriculum considering the demands of the stakeholders.

- The college encourages the faculty members to upgrade their credentials by participating/ organizing workshops/ seminars/ symposium, etc.

- The college also promotes the faculty for active research for which necessary infrastructure is made available to the departments in addition to the Central Instrumentation Centre.

- The Principal seeks the suggestions from the Staff Council and IQAC for the up gradation of college at all levels.

- The Principal tries to resolve the problems of the staff members as far as practicable.

Organizational Arrangements

- Effective organizational arrangements are practiced through decentralization of organizational structure by involving Staff Council, faculty members and students at all levels.

- To make the administrative functioning systematic and transparent (which was also a recommendation of the previous NAAC team), in addition to various statutory bodies, like Governing Body, Governing Board, IQAC, etc., various committees have been constituted to cope with academic and administrative developmental activities. These committees are delegated to various functions for effective governance.

- The committees are responsible for coordination, planning and execution of students' discipline, Grievance Redressal, students' welfare activities, infrastructural needs, staff welfare schemes, etc.

- The participation of students is encouraged in various college activities for the smooth functioning of the events.

- The administrative matters and minutes are discussed in the Staff Council meetings.

Strategies Development

The college has a strategic plan for the academic and administrative functioning.
- The academic calendar is prepared before the commencement of a semester for the systematic functioning of the college.

- A monthly calendar is given in college diary which indicates the number the working days and holidays.

- The tentative dates for mid-semester examinations are notified well in advance for the convenience of the teachers as well as the students.

- Internet connection is made available in all departments for academic and administrative functions.

- Students of semester V and VI are provided with user name and password to access internet for academic purpose.

Deployment Human Resource Management

- The college follows the guidelines of UGC adopted by the State government in the process of recruitment.

- Reservation policy is applicable in recruitment procedure are as laid down by government.

- The college never compromises with merit, expertise and quality.

- The college maintains a healthy professional environment.

- Earned leave is given to the faculty who are deployed during vacations.

- The Principal is always available to discuss the problems of faculty members and office staff.

Financial Management

- The college has a Finance Committee chaired by the Principal which prepares the budget and allocates funds for various academic and administrative purposes.

- The committee looks after the grants received from state government and UGC, and the fees received from students.

- The income and expenditure is properly audited by an internal auditor and an external auditor (Chartered Accountant).

- The self-financed programmes are reviewed and revised once a year.

- For the purchase of any equipment or infrastructural development standard quotations are acquired and decisions are made democratically.

- Scholarships are provided up to the tune of Rs.25, 00,000 to meritorious and needy students.

Resource Mobilization

- The resources are mobilized through fees collected from the students.
- From philanthropists and sponsors

CRITERION VII: Innovative Practices

7.1 Internal quality Assurance system

7.1.1. Has the institution adopted any mechanism / process for internal quality checks?

Yes, the following mechanisms / processes for internal quality checks have been adopted by the college.

- Establishment of IQAC in 2007 for total quality management of the college.
- Periodic meetings of HoDs, Staff Council, Exam Committee, Finance Committee, Cultural Committee, Grievance Redressal Cell, Class Representatives.
- In periodic IQAC meetings the resolutions taken are implemented in accordance with the UGC guidelines and objectives of higher education.
- Administrative and library automation.
- Establishment of Women's Cell.
- The Internal Quality Assurance Report (IQAR) of last five years has been submitted to NAAC.

7.1.2. How does the institution ensure the quality of its academic programmes?

Quality of academic programmes is ensured through the following methods.

- Feedback from students and self-appraisal from teachers.
- Periodic review of curricula by faculty and recommendations to university for effective changes in curriculum as per the suggestions of stakeholders and need of the times. Faculty also participate in Board of studies of syllabus committee
- Representation of all sections in the Academic Council.

7.1.3. How does the institution ensure the quality of its administration?

- The Principal is the final authority on all matters related to the day-to-day functioning of the college.

- Different faculties support the Principal on matters related to the faculty and academics.

- The HoDs look after their respective departmental affairs.

- The quality of administration is monitored by various committees like IQAC, Staff Council, Exam Committee, Finance Committee, Cultural Committee, and Grievance Redressal Cell.

- Suggestions from stakeholders are also welcomed and necessary changes are incorporated for quality improvement.

- The Governing Body and Governing Board take final decision on major administrative matters.

7.1.4. What are the innovative courses introduced during the last five years? How do you promote innovation in curriculum?

The following innovative course has been introduced during the last five years.

MSC MATHEMATICS

Innovation in curriculum is promoted through the following measures.

- Efforts have been made to enrich the curriculum by adding supplementary components like add-on courses to facilitate horizontal mobility.

- A language lab has been set up to improve proficiency of the students in Communicative English.

- New topics of current relevance have been incorporated in various subjects.

7.1.5. Describe the strategies evolved in promoting innovations in teaching, learning and evaluation.

Teaching – Learning

- In addition to conventional talk and chalk-board method, LCDs and OHPs are used in teaching. Two smart class rooms and a language lab have been

set up for this purpose.

- ICT has been introduced.

- Classroom sessions are interactive in nature.
- Project/ assignment based learning and student seminars are promoted.
- Internet facility has been made available to all the faculty and students.
- Self-learning component has been made mandatory in all subjects.
- Extra classes during holidays can be arranged by the faculty, if they feel so.

Evaluation

- Semester system also reduces the stress burden on the students.
- Answer books of internal exams are shown to the students.
- Evaluation of teacher performance through feedback for better teaching-learning process.

7.1.6. Elucidate some of the innovations in research and extension? What initiatives have been taken by the institution to give a significant thrust to research and development in the programmes?

To promote research and extension the following initiatives have been taken by the college:

- Staff members are motivated to take up UGC Research Projects (Major and minor) and publish research articles.
- All departments have been equipped with computer and 24x7 internet facility.
- Grants are provided to each department for subscription of research journals.
- Financial aid is given to faculty members to attend international conferences/symposia/seminars.
- Basic Research Facility is provided to all Science departments.
- Central Instrumentation Facility has been established.
- Project work is mandatory in all disciplines except mathematics, which help to inculcate research aptitude among the students.
- Faculties are given complete freedom to engage in consultancy and

extension work for their research. Some teachers have their established linkages with research institutes and universities.

7.1.7. What innovative strategies have been adopted in governance?

To provide good governance, the college management encourages participatory management by decentralizing the powers at various levels.

- It seeks to improve understanding and co-ordination between the management, the Principal and the staff members for the overall growth and development of the institution.

- Various committees have been constituted to look after the matters that are related to the day-to-day functioning, quality enhancement and effective governance.

7.1.8. What mechanisms have been developed by the institution for quality assurance within the existing academic and administrative system?

Quality assurance within the existing academic and administrative system is ensured through:

- IQAC for quality sustenance.
- Setting standard procedures for academic activities, close monitoring of students performance and feedback mechanism.
- Inputs from stakeholders.
- Implementation of expansion plans.
- Functioning of various bodies/ committees like Staff Council, Exam Committee, Finance Committee, Cultural Committee, Grievance Redressal Cell.
- Office and library automation.

7.1.9. What are the functions carried out by the above mechanisms in the quality enhancement of the institution?

- IQAC reviews the activities of the current year and makes plans for further improvement in the forthcoming year. IQAR report is then sent to NAAC.

- Staff council exists as an advisory body and participates in the overall development of the college.
- Finance Committee takes decisions of financial matters which are then placed before the Governing Body for final approval.
- Examination Committee discusses all matters related evaluation system.
- The office of the examinations is responsible for the timely conduct of exams [internal as well as external exams]

7.1.10. What role is played by the students in assuring quality of education imparted by the institution?

Student's feedback is valued very highly by the institution. They can voice their opinions through:

- Class representatives.
- Class committees and tutorial committees.
- Grievance Redressal Cell, Women's cell
-

7.1.11. What initiatives have been taken up by the institution to promote best practices in the institution? How does the institution ensure that the best practices have been internalized?

The college has maintained a distinct identity from its inception. Its illustrious alumni are a testimony to its high standards of academics and discipline. The college is recognized as one of the best in the region.

Following are some of the best practices that are institutionalized:

- Emphasis on students' discipline.
- Cleanliness of the campus.
- Good academic ambience.
- Good infrastructure.
- Special attention to the weaker students.
- Catering to the educational requirements of the locality.
- Emphasis on ICT.

Innovative teaching-learning programmes.

- Training through language laboratory.
- Availability of Internet.
- Establishment of Central Instrumentation Centre.
- Promotion of basic research at departmental levels.
- Linkages for research work of teachers and project work of students.
- Emphasis on co-curricular and extra-curricular activities.
- Promotion of healthy teacher-taught relationship.
- Active support and encouragement by the management to teachers for library purchases.

7.1.12. In which way has the institution added value to student's quality enhancement?

The institution accords top priority to student's quality enhancement. Value addition is done through the following methods.

- Add-on courses.

- Emphasis on computer literacy by offering Informatics as complementary course to all the students irrespective of stream.

- Celebration of days of national importance and local festivals.
- Development of leadership qualities through NCC and NSS.

7.2 Inclusive Practices

7.2.1. What are the inclusive practices of the institution to impart holistic education?

The institution imparts holistic education in the following ways:

- Emphasis on academics.
- Non discriminatory approach.

- Integration of all sections of student population.

- Extra-curricular activities like Patriotic Song Competition on the eve of Independence Day.

- Organizing different events like Singing Competition, Debate and Extempore, One-act plays, Folk Song and Dance, during College festival.

- Annual Sports Day is held every year, and at regular intervals various sports activities like Inter-class tournaments in Cricket, Football and Basketball are held.

In all the events organized in the college the students participate with a lot of zeal and enthusiasm.

7.2.2. What are the specific initiatives adopted to establish social justice among students, faculty and community?

The college does not make any discrimination on the basis of caste, creed, and race religion of social practice.

- In order to give equity, it follows the reservation rules of the govt. of Kerala.
- Govt. scholarships are disbursed to tribal students.
- Remedial classes are arranged for the weaker students.

- Reservation rules are followed in the recruitment of faculty. However, merit is given top priority.

7.2.3. How does the institution promote social responsibilities and citizenship roles among the students?

The institution promotes social responsibilities and citizenship roles among the students through:

- NCC and NSS
- Nature club
- Responsibility, teamwork and citizenship roles are also facilitated by electing class representatives.

7.2.4. What are the institutional efforts to bring in 'Community orientation' in its activities?

The following community-oriented programmes were organized by different clubs and societies of the college:

- Aids Awareness programme
- Literacy Awareness programme
- Health and hygiene Awareness programme
- Blood Donation programme
- Road Safety Awareness programme
- Anti-plastic Awareness programme

7.2.5. Does the institution have any exclusive programme under extra-mural/ enrichment wing, to promote social responsibilities and citizenship roles?

The activities of NCC, NSS, in association with governmental and non-governmental organizations such as Forest Department and Panchayats promote social responsibilities and citizenship roles.

7.2.6. Has the institution done a gender audit and / or any gender related sensitizing courses for the staff / students? Give details.

Details of Students' Profile: Gender and category-wise.

| SUBJECT | ST | | SC | | OBC | | GENERAL | | TOTAL | F | GRAND |
	M	F	M	F	M	F	M	F	M		TOTAL
BSC.PHYSICS	0	0	12	3	18	33	27	9	57	45	102
BSC CHEMISTRY	0	0	3	12	9	3	27	33	39	48	87
BSC BOTANY	0	0	6	15	3	12	9	63	18	90	108
BA HISTORY	0	0	12	18	30	24	21	45	63	87	150
BA ENGLISH	0	0	6	12	18	21	9	24	33	57	90
BA ECONOMICS	0	0	18	18	6	36	39	33	63	87	150
B.COM	0	0	24	12	20	52	30	42	74	106	180
BSC MATHS	0	0	9	6	15	27	15	18	39	51	90
MSC ,PHYSICS	0	0	2	4	4	8	6	12	12	24	36

MSC CHEMISTRY	0	0	1	2	6	18	3	3	10	23	33
MSC MATHS	0	0	2	4	3	9	6	12	11	25	36

7.2.7. What practices have been taken up by the institution to provide access to students from the following sections of the society:

a) ***Socially- backward and Economically-weaker***

- Approximately20% of the students belongs to ST/SC/OBC communities.
- In some departments the number is higher as they get admission on the basis of merit.

b)   *Differently-abled*

The college is sensitive to the needs of differently-abled students. For this purpose it has special arrangements to enable such students to move around all floors.

- Manual help is extended whenever they are in need.

7.2.8. What efforts have been made by the institution to recruit 1) Staff from the disadvantaged communities? Specify.

Teaching& non teaching

Recruitment of staff is done in accordance with the reservation rules of the Govt. of Kerala

7.2.9. What special efforts are made to achieve gender balance amongst students and staff?

- Over the last five years the no. of women students has steadily increased.
- Over the last five years the no. of women faculty has also increased

7.2.10. Has the institution done a gender audit and/ or any gender-related sensitizing courses for the staff/ students? Give details.

Refer *7.2.6*

7.2.11. What intervention strategies have been adopted by the institution to promote overall development of the students from rural/ tribal background?

The following strategies have been adopted by the institution to promote overall development of the students from rural/ tribal background.

- Personal counselling by the faculty.
- Tutorial/ remedial classes.
- Computer literacy programme.
- Improvement of communication skills through language lab.

7.2.12. Does the institution have a mechanism to record the incremental academic growth of the students admitted from the disadvantaged sections?

Yes. The incremental academic growth of the students from the disadvantaged sections is recorded by their mid-sem and end-sem performance in successive semesters. At the end of the course a comparative growth can be measured.

7.3 Stakeholder relationship

7.3.1. How does the institution involve all its stakeholders in planning, implementing and evaluating the academic programmes?

All its stakeholders are involved in the planning, implementing and evaluation of the academic programmes in the following ways.

- Feedback from the students on the curriculum and teaching-learning process.
- Meetings of the class representatives with Principal.
- Grievances.
- Suggestions and recommendations from the parents.
- Feedback from the faculty on the curriculum and teaching-learning process.
- Feedback from the alumni and academic peers.
- Feedback from the industry.

7.3.2. How does the institution develop new programmes to create an overall climate conducive to learning?

The new programmes are introduced in accordance with the need.

- Students are motivated to take add-on courses.
- Special classes for soft skill development are conducted.
- Introduction of new methods in teaching-learning process.
- ICT as learning resource.
- Internet usage.

7.3.3. What are the key factors that attract students and stakeholders resulting in stakeholder satisfaction?

The key factors that attract students and stakeholders are:

- Semester system.
- Wide choice of courses.
- Excellent academic ambience.
- Eco-friendly atmosphere and campus
- Provision of add-on courses.
- Emphasis on computer learning and soft skill development.
- Placements.
- Well maintained discipline.
- Centrally located campus.
- Continuous bagging of University ranks.
- Hard-working and dedicated faculty members.
- Teacher-student relationship.
- Good infrastructure.
- Career counselling.
- Good library facility with internet and wide range of books.
- NCC, NSS, sports and extra-curricular activities.

7.3.4. How does the institution elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co-curricular activities, research, community orientation, the personal / spiritual development of the students?

All stakeholders extend their cooperation to the management for the overall

development of the college.

- Teachers discharge their duties with utmost dedication and commitment.
- Teachers and Alumni provide merit awards in the form of medals and burses.
- Teachers participate in administrative and research activities in addition to teaching.
- Alumni are actively involved in academic and co-curricular activities and college development programmes.
- Students are actively involved in all the activities of the college.
- Celebration of functions of national and regional importance.

7.3.5. How do you anticipate public concerns in your institutions with current and future programme offerings and operations?

Public concerns are anticipated through the following means.
- Meetings of alumni, teachers, Principal in various social gatherings.
- The principal and faculty members are invited as chief guests/ guests of honour in other school and colleges.
- Guests from outside the college give valuable suggestions during their visits to the institution which motivate us to do better.
- Press coverage of various functions held in the college informs the public about the activities of the college.

7.3.6. How does the institution promote social responsibilities and citizenship roles among the students? Does it have any exclusive programme for the same?

Refer *7.2.3*

7.3.7. What are the institutional efforts to bring in community-orientation in its activities?

Refer *7.2.4*

7.3.8. How does your institution actively support and strengthen the neighbourhood communities? How do you identify community needs and determine areas of emphasis for organizational involvement and support?

The institution supports the community in the following ways:

- Activities of NCC, NSS, Nature Club.
- With the Support of NGOs; Aids Awareness, Environmental Protection, banning of the use of plastic and Blood Donation camps were organised.

7.3.9. How do the faculty and students contribute in these activities?

The college encourages the participation of faculty members and students in above programmes. The college motivates the students to join NCC, NSS, and Nature Club. The faculties are also involved in delivering lectures at various functions organised by other institutions/ organizations in the city.

7.3.10. Describe how your institution determines student satisfaction, relative to academic benchmarks? Do you update the approach in view of the current and future educational needs and challenges?

Students' satisfaction is determined through the following measures.

- Feedback about the curriculum, teachers' performance, infrastructural facilities and college environment.
- Meetings with faculty members and HoDs to address the day-to-day needs of the students.
- Meetings of Class representatives with the Principal.

Student satisfaction is the ultimate aim of the college.

7.3.11. How do you build relationships
➢ To attract and retain students
➢ To enhance student's performance and
➢ To meet their expectations of learning

To attract and retain students
- Cordial relationship between management, teachers and students.
- Maintaining good relation between students and teachers within and outside the campus. The telephone nos. of all the faculty are given in the college website in case of need.
- Personal counselling is given as and when required.

- Students can approach the teachers freely to discuss their problems.
- Participation of students in cultural activities, field trips and excursions, NCC and NSS bridges the gap between the students and faculty.

To enhance student's performance

- Availability of books and internet connection both at the departmental level and general library.
- Motivation by the faculty.
- Counselling after the mid-sem and end-sem exams.
- Assignments, project work and student seminars.
- Classroom discussions and presentations by students.
- Personal attention of the faculty especially to weaker students.

To meet their expectations of learning

- Availability of the Principal and faculty members during college hours.
- Introduction of current and relevant topics in the syllabi.
- Student support systems.
- Innovative teaching-learning methods.
- Introduction of ICT.
- Availability of Internet

7.3.12. What is your complaint management process? How do you ensure that these complaints are resolved promptly and effectively? How are the complaints aggregated and analyzed for use in the improvement of the organization, and for better stakeholder-relationship and satisfaction?

The college attends to all the complaints of all the stakeholders through:

- Students Welfare and Grievance Redressal Cell.
- Staff Council.
- Suggestion box.
- Feedback from all stakeholders.

- Meetings of students' with the Principal.
- RTI Officer.

  Prompt action is taken on all the complaints to the satisfaction of the stakeholders.

7.3.13. How are the core values of NAAC reflected in the various functions of the institution?

The 5 core values of NAAC are reflected in all the programmes and activities of the college.

NATIONAL DEVELOPMENT

- Providing the latest and most useful knowledge and skills to the students.
- Capacity building of the students. To cater to this, the college arranges special classes for soft skill development, language lab has been established.
- The curriculum gap has been identified in such a manner that add-on courses are provided to students through which they can enhance their knowledge base and compete with other students at the national level.
- Computer literacy is stressed upon by including Informatics as a compulsory paper in many courses.
- Availability of internet.
- Reservation given to under-privileged groups.
- Extension programmes of the college which serve the educational requirements of the local community .

All the above methods help in the promotion of highly-qualified and society-conscious citizens which contributes to national development.

FOSTERING GLOBAL COMPETENCIES AMONG STUDENTS

- Redesigning the curriculum to include the frontline areas of academics.
- Enhancement of communicative skills through language lab.
- Introduction of ICT.
- Inclusion of project work in the curricula.

- Establishment of linkages.
- Establishment of Central Instrumentation Centre for further research.

INCULCATING HEALTHY VALUE SYSTEM

- Holistic approach to education to create a class of intellectually, morally and spiritually sound and committed citizens.
- Celebration of days of national importance like Independence Day, Republic Day, Teacher's Day and important local and national festivals to inculcate patriotism and cultural, ethical and moral values among students.
- To build teamwork, sportsmanship and leadership qualities involvement of students is promoted through extra-curricular activities.
- Value based-teaching and guest lectures are promoted.
- Dedicated and committed teachers are the idols of the students, which is the main strength of the college.

PROMOTING THE USE OF TECHNOLOGY

- Teaching-learning methods have undergone changes with the use of technology-aided methods.
- Departments have been provided with computers, laptops, LCDs and OHPs to support teaching-learning methods.
- Departments and library have been provided with 24x7 internet connection.
- Wi fi enabled campus.
- Bar coding system has been introduced.
- More classrooms have been equipped with audio-visual aids.
- Special rooms have been upgraded for seminars and symposia.

QUEST FOR EXCELLENCE

To achieve excellence the college has taken the following measures.

- Periodic review of curriculum to be at par with national and global trends.
- Quality promotion through IQAC.
- Innovative teaching-learning and evaluation methods.

- Feedback from all stakeholders.
- Grievance Redressal mechanism.
- Establishment of Placement Cell.
- Establishment of Women's Cell for women's rights and empowerment.
- Character development is the ultimate goal of education.
- Participatory management.

The quest for excellence is a continuous and never ending process......

EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF BOTANY

1. Name of the Department : Department of Botany

2. Year of establishment : 1967

3. Names of Programmes / Courses offered: UG: B.Sc. Botany (CCSS)

4. Names of Interdisciplinary courses and departments involved:

The Department conducts an open course for V semester students from the Arts, Science and commerce Faculty on Horticulture and Nursery management as a means of giving students an interdisciplinary experience.

5. Annual/ semester/choice based credit system: Choice based Credit Semester System

6. Participation of the department in the courses offered by other departments:
The students (5th semester) of this department have an option to select one course conducted by Physics, Chemistry, Mathematics, Commerce, English, History and Economics 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 sanctioned and filled:

Posts	Sanctioned	Filled
Professor	NIL	NIL
Associate Professors	NIL	NIL
Asst. Professors	2	2

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

Name	Qualifications	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last four years
Dr. V. K. Sreenivas	M.Sc., M.Phil., Ph. D., NET	Asst. Professor	Pteridology and Plant Biotechnology	2.4 Yrs	One (ongoing)
Dr. Anoop, K.	M.Sc., B.Ed., Ph. D., NET/JRF	Asst. Professor	Plant pathology	8 months	NIL

11. List of senior visiting faculty: Prof. K. Raveendrakumar; An eminent Plant taxonomist, who is handling the angiosperm taxonomy.

12. Percentage of classes (Theory & Practical classes) taken by temporary faculty (programme-wise information):

> B. Sc. Course- 50%

13. Student-Teacher Ratio (Programme-wise):

> First Year B.Sc. - 18:1
> Second Year B.Sc. - 13:1
> Third Year B.Sc. - 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Posts	Sanctioned	Filled
Laboratory Assistant	1	1
Herbarium keeper	1	1

15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:

One minor project funded UGC (1,23,000/-) and another major project funded Kerala State council for Science, Technology and Environment (KSCSTE) (20,31,600/-) by Dr. V. K. Sreenivas.

16. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil.

17. Research facility / centre with: Nil.

18. Publications:

Papers published in peer reviewed journals (National / International):

<u>**Dr. V. K. Sreenivas**</u>
10. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2010. The genus *Pteris* L. (Pteridaceae) in Kerala. *Proceedings of 22th Kerala Science Congress*, 28-31 January 2010, KFRI- Peechi, pp. 866- 868.
11. Madhusoodanan, P. V. & **Sreenivas, V. K**. 2010. Biological Nitrogen Fixation. *Sastradyuthi* 1: 54-60.
12. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2010. *Pteris multifida* – a new record from Peninsular India. *Acta Botanica Hungarica* 52: 425-427.
13. **Sreenivas, V. K.,** Jisha, V. N., Martin, K. P. & Madhusoodanan, P. V. 2011. *Bridelia stipularis*- a new source for anthocyanin production *in vitro*. *Acta Phisiol. Plantarum* 33: 2051–2056.
14. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2012. *Pteris reptans* (Pteridaceae) - new record for India. *Fern Gaz.* 19: 25-29.
15. Antony, R., **Sreenivas, V. K.** & Mohanan, N. 2012. *Diplazium austrosylvaticum* Fras.-Jenk. & Benniamin (Pteridophyta: Woodsiaceae), A new distributional record for Kerala. *Indian J. Forestry* 35: 259-260.
16. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2013. Potential ornamental brake ferns in the Western Ghats of South India. *Proceedings of "Western Ghats" UGC-Sponsored National Seminar, 14th -16th February 2013, N.S.S. College, Manjeri*. Pp. 118-125. ISBN 978-81-926618-0-3.

17. **Sreenivas, V. K.**, C. R. Fraser-Jenkins & Madhusoodanan, P. V. 2013. The genus *Pteris* L. (Pteridaceae) in South India. *Indian Fern J*. **30:** 268-308.

18. **Sreenivas, V. K.** & Madhusoodanan, P. V. 2014. *Pteris geminata* Wall. ex J. Agardh (Pteridaceae): A Critically endangered pteridophyte in India. **JoTT.**

Dr. Anoop K

19. **Anoop K**. and Suseela Bhai R (2013). Host range study of turmeric rhizome rot pathogen *Pythium aphanidermatum* on selected Zingiberaceae members. *International Journal of Research in Pure and Applied Microbiology* 3: 113-115.

20. **Anoop K.** and Suseela Bhai R (2014). Evaluation of antagonistic potential of indigenous *Trichoderma* isolates against *Pythium aphanidermatum* (Edson) Fitz. causing rhizome rot in turmeric (*Curcuma longa* L.). *Journal of Science* 4:99-105

19. Areas of consultancy and income generated:

Dr. V. K. Sreenivas is offering consultation for the identification of Pteridophyte . No income was generated through consultations.

20. Faculty as members in committees:

National: Treasurer, Western Ghats Oriented Research and Development Society (WORDS).

International: Member of the International Association of Pteridologists (IAP), USA.

Editorial Board: Editor, International Journal of Tropical Flora and Fauna (IJTFF) published by Western Ghats Oriented Research and Development Society (WORDS).

Board of examiners: Member Board of Examiners (IV & VI semester Practical for

B.Sc. Botany course), University of Calicut.

21. Student projects:

a). *Percentage of students who have done in-house projects including inter-departmental*: 100%

b). *Percentage of students doing projects in collaboration with industries / institutes*: Nil.

22. Awards / recognitions received by faculty and students: Nil.

23. List of eminent academicians and scientists/visitors to the departments:

Dr. C. R. Sivadasan, senior scientist, Spices Board, Cochin.

Dr. T. Girija, Senior Physiologist, Kerala Agriculture University, Thrissur.

Dr. C. George Thomas, Associate Professor, Kerala Agriculture University, Thrissur.

Dr. P. Udayan, Former Scientist, Kottakkal Aryavydyasala, Kottakkal.

Dr. K. Harinarayanan, Former Member, Biodiversity Board of Kerala.

Dr. A. K. Abdussalam, Sir Syed College, Thalipparmaba, Kannur.

Dr. V. P. Thomas, Assistant Professor, St. Thomas College, Thrissur.

Dr. Ayyappa Das, Head, Biotechnology department, RVS Group of Institutions, Coimbatore.

24. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil.

25. Student profile programme/ course-wise:

Name of the course/ Programme (Refer question no. 4)	Applications Received	Selected	Enrolled		Pass percentage
			Male	Female	

B.Sc. (2007-08)	200	17	4	13	100
B.Sc. (2008-09)	175	16	0	16	91
B.Sc. (2009-10)	187	23	5	18	71
B.Sc. (2010-11)	227	23	3	20	82
B.Sc. (2011-12)	285	24	4	20	92

26. Diversity of students:

Name of the Course	% of students from the same State	% of students from other States	% of students from other countries
B.Sc. Botany	100	NIL	NIL

27. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : Data not available

28. Student progression:

Student Progression	Percentage against enrolled
UG to PG	15
PG to M.Phil.	-
PG to Ph.D.	5
Ph.D. to Post-Doctoral	-
Employed a). Campus selection b). Other than campus recruitment	-
Entrepreneurs/self employment	-

29. Present details about infrastructural facilities:

a) Library: Library holds more than 500 books and subscribes to one national journal (current science). The Department Faculties have another 50 volumes which are available to students.

b) Internet facilities for staff and students: An Internet Lab with more than 20 computer and BSNL broad band connection.

c) Class rooms with ICT facility: Yes

30. Number of students of the department getting financial assistance from College, University, government, other agencies:

31. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts:

The Department conducted "EVOLVULUS", a seminar and exhibition on Medicinal Plants on 4.02.13. DR. A. K. Abdussalam, Sir Syed College, Thalipparmaba, Kannur, delivered a lecture on the "Ecological Impact of the Conversion of Paddy Field in Kerala". Dr. Ayyappa Das, Head, Biotechnology department, RVS Group of Institutions, Coimbatore, conducted an orientation programme on 6th February 2013 on Bioinformatics and Biotechnology.

Majority of the students are joined in the "Nature club' run in this department and organizing various environmental related programmes.

The following eminent scientists have visited our department and given special lectures / spoken to students on career opportunities:

Dr. C. R. Sivadasan, senior scientist, Spices Board, Cochin.

Dr. T. Girija, Senior Physiologist, Kerala Agriculture University, Thrissur.

Dr. C. George Thomas, Associate Professor, Kerala Agriculture University, Thrissur.

Dr. P. Udayan, Former Scientist, Kottakkal Aryavydyasala, Kottakkal.

Dr. A. K. Abdussalam, Sir Syed College, Thalipparmaba, Kannur.

Dr. Ayyappa Das, Head, Biotechnology department, RVS Group of Institutions, Coimbatore.

32. Teaching methods adopted to improve students' learning:

(1) Classroom lectures using teaching aids such as audio-visual aid.

(2) Practicals using fresh and preserved materials and teaching aids as above.

(3) Conduct field trips to the campus once in a week for final year students for studying plant taxonomy and biodiversity.

(4) Conduct study tour (5-10 days) to the ecologically and biodiversity important areas in south India.

(5) Class tests conducted at the end of each module.

33. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The students of this department actively participating in society oriented programmes, which are managed by NSS and NSS.

34. SWOC analysis of the department and Future plans:

Future plans:

1). To start M.Sc. course in this department.

2). To establish a Plant Biotechnology laboratory.

3). To strengthen the research and consultancy work.

4). To establish a Botanical garden and Herbarium.

EVALUATIVE REPORT OF THE DEPARTMENTS
DEPARTMENT OF CHEMISTRY

1. Name of the Department: CHEMISTRY

2. Year of establishment: 1967,   BSc. Chemistry commenced in 1976

3. Names of Programmes / Courses offered:

a) BSc (Core), Maths & Physics (Complementary)

b) MSc. Pure Chemistry with Synthetic Organic Chemistry, Instrumental methods of analysis and Bioinorganic and Organometallic Chemistry as Electives.

c) M.Phil Projects

d) Ph.D

4. Names of Interdisciplinary courses and departments involved: 1. Chemistry complementary for BSc. Botany & Physics

2. Environmental Chemistry open course for all U.G classes

Physics, Botany, Mathematics, History, English,   Commerce, Economics

5. Annual/ semester/choice based credit system: :

a) B.Sc. Chemistry(core) With Physics and Maths as complementary

b) Complementary Chemistry for B.Sc. Physics & Botany CCSS

c) M.Sc. Chemistry CUCSS

**6. Participation of the department
   in the courses offered by other departments**: 1.Complementary mathematics & complementary

Physics at BSc. level
2.Open courses offered by all

other departments

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses / programmes discontinued (if any) with reasons:
Clinical diagnostic technology-a UGC sponsored add on course was stopped after its five years duration

9. Number of teaching posts sanctioned and filled:

Year	Posts	Sanctioned	Filled
2007-2008	8	8	8
2008-2009	8	8	8
2009-2010	8	8	7
2010-2011	8	8	8
2011-2012	8	8	8
2012-2013	8	8	8
2013-2014	8	8	8

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

Sl No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last four years
1.	Smt.C.N. Sarala	MSc., MPhil	Associate professor	Inorganic chemistry	31 years & 8 Months	
2.	Smt. K. Girija	MSc., MPhil	Associate professor	Organic chemistry	31 years & 8 Months	
	Dr. K. P. Subhashchandran	MSc., MPhil., Ph.D. Post – doc.	Principal	Polymer chemistry	30 years	9
3.	Smt.V.H Madhumathy	MSc., MPhil	Associate professor	Inorganic chemistry	28 years & 6 Months	
4.	Dr. G.Devika Rani	M.Sc., Ph.D.	Associate professor	Physical chemistry	20 years	
5.	Dr. K.S Vijayalakshmi Amma	MSc. , Ph.D , PDF, BEd, PGDEM, PGDCS	Associate professor	Organic, Biochemistry & Biotechnology	20 years	2 students are doing research
6.	Dr. R.Manu	MSc. , Ph.D	Assistant Professor	Physical chemistry-Material science	6years as scientist (pool scheme) CSIR – (CECRY)-Karaikudi, 2year as guest lecturer at SN College Alathur , Palakkad, 8 Months as PDF at Mat.Eng.Dept IISC,Bangalore	

7.	Smt. Nisha Nandakumar	MSc., NET, PGDIRI (Ph.D Thesis submitted)	Assistant Professor	Polymer Science & Rubber Technology	1 year- AP Chemistry FISAT,2 years-(P.T) Faculty PSRT,CUSAT	
8.	Smt. Rohini K.N.	M.Sc. NET-CSIR-SRF Ph. D Doing	Assistant Professor	Hydrogel-Metal nano composites		
9.	Smt. ShabeenaM.M	M.Sc. B.Ed	Guest lecturer	Polymer chemistry	1 month	

11. List of senior visiting faculty:

Sl no.	NAME	ADDRESS	DATE OF VISIT
1.	R.Ratheesh	C-MET Thrissur	20-03-2007
2.	Dr. Joshi K.L	Syndicate member, University of Calicut	11-04-2007
3.	Shaji James	K.C.A.E.T Thavanoor	27-09-2007
4.	Gokul Das	Srikrishna College Guruvayur	04-03-2008
5.	V.V. Surendran	Asst. Excise commissioner Thrissur	28-10-2009
6.	Dr. Kumar	Scientist C-MET Thrissur	15-07-2011
7.	Dr. Manoj	SNGS Pattambi	16-12-2011
8.	Dr. A.Ramalingam	B-Sustain Energy Projects	01-02-2012
9.	Dr.N.Potty	Scientist C-MET Thrissur	22-06-2013

12. Percentage of classes (Theory & Practical classes) taken by temporary faculty (programme-wise information):   10.69%

13. Student-Teacher Ratio (Programme-wise): M.Sc.- 12:1, B.Sc.- 20:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Posts	Sanctioned	Filled
4	4	4

15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:

 a) UGC Major project Dr.K.P Subhash Chandran
Research projects

Completed   1) U.G.C. sponsored research project entitled "Synthesis of Neur otensin peptide analogues on hydrophilic polymer support.

                                 2) Students Projects funded by KSCSTE -2

                                 3) As Co investigator of Minor Project funded by UGC-

  On going   1) Rs- 3000000/-(Thirty lakhs) major
research project

                                 entitled " Design synthesis of hydrophilic
polymer

                                 support for combinatorial organic reactions-
de novo

                                 strategies for proteins" funded by
KSCSTE.

2) Rs- 425000/-(Four lakhs and twenty five thousand)

Post doctoral research award for the project entitled

" Synthesis of Multidetachable Hydrophilic

Polymeric Construct for Cyclic peptide"
funded by

University Grants Commission.

b) UGC Minor project Dr. G.Devika Rani & Dr. K.S Vijayalakshmi Amma

16. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: DST , KSCSTE , UGC
 1. Dr. K.S Vijayalakshmi Ammaprojected funded by UGC
 Project tittle- pre-treatment methods to increase the efficiency of biogas production
  Amount-Rs.1,65,000/-
2.Adsorption of Fluoride onto Nd_2O_3 & Nd_2O_3 suppoted on Al_2O_3 fund Rs.1,20,000/-

17. Research facility / centre with:

18. Publications: Faculty vise publication list

1. Dr. K. P. SUBHASH CHANDRAN

(1) M.Roioe, KP Subhashchendran, A VGean J Francliin, V. N.R.Pillai*, "*Synthesis and characterisalion of Glyceroldimerhacrylate cross-linked polymethyl methacrylate a resin for solid-phase peptide synthesis" *Polymer 44(2003)911-922*

(2)   G.Krishnachaithanya,   AnoopThomas,   C.R.Sinu,BijuFrancis, K.P.Suhashchandran, K.Ramakrishna &K.Bhanuprekash.,Insight in to the electron delocalization in phenylacetelenes & Phenyl vinylenes: An NBO analysis. *Indian journal of chemistry,Vol.47 A, Augest (2008) pp 1171-1180*

(3)   B.A.Khatoon.,K.P.Subhashchandran.,Chandralekha   Gurjar   & K.S.Vijayalekshmi.,   Cost-Effective   Synthesis   and   Spectroscopic Characterization of Polyphenylamine
Asian Journal of Chemistry, *Vol. 21 No.1 (2009)*

(4) K.P.Subhashchandran,K.S.Vijayalekshmi,T.Achuthan,V.Ambika and K.Vijitha "Gel phase synthesis of model peptides on newly developed hydrophilc tetraethyleneglycol dimethacrylate cross-linked polystyrene :A polymeric Support for Solid Phase Peptide Synthesis". *Int.J.Chem.Sci:3(4),2005,604-610*

 (5) K P Subhashchandran and K M M Krishna prasad, "Silver ion catalysed oxidation of phenosafranine by peroxdisulphate catalytic kinetic determination of micro amount of silver". Asian Journal of Chemistry Vol.4, No 4(1992) 715-725.

2. Dr. K.S Vijayalakshmi Amma

1. M.K Sarath Josh,K.S Vijayalakshmi Amma, Sailas Benjamin et al., "Temperature and solvent dependent migrations of di (2-ethyl hexyl) phthalate the hazardus plasticizer from commercial PVC blood storage bag" Journal of Polymer research ISSN 1022-9760 J.Polym Res (2012)19 : 9915

2. M.K Sarath Josh,K.S Vijayalakshmi Amma,Sailas Benjamin et al. , "Pthalates efficiency bind to human peroxisome proliferator activated receptor and retinoid X recptor α,β,γ sub types : an in silico approach" Journal of Aplied Toxicology May(2013)

3. M.K Sarath Josh,K.S Vijayalakshmi Amma,Sailas Benjamin et al., "In silico evidences for the binding of phthalates on to human estrogen receptor α,β sub types and human estrogen reseptor γ molecular simulation" (2013) Dol:10.1080/08927022

3. Dr. R. Manu

1) **R. Manu Panicker** and S. Priya "Fabrication of flexible conducting thin films of Copper-MWCNT from multi-component aqueous suspension by electrodeposition J. of Solid State Electrohemistry, 2013 (Accepted)

2) **R. Manu** and S. Priya "Implication of electrodeposition parameters on the architecture behavior of MCNT - incorporated metal matrix" Applied Surface Science, 2013 (Accepted)

3) **R. Manu** and Sobha Jayakrishnan, "Effect of organic dye on Copper metallization of high aspect ratio through-hole for interconnect application" **(2012)** *Material Chemistry and Physics.* DOI information: 10.1016/j.matchemphys.2012.05.003

4) **R. Manu** and Sobha Jayakrishnan, "Effect of additive and current density on micro structure and texture characteristics of copper electrodeposits" *Int. National Journal of Materials Research,* (104) Feb. **(2013)**

5) **R. Manu** and Sobha Jayakrishnan, "Through hole filling by copper electrodeposition using organic dye as leveler" Accepted **(2011)** *International journal of Electrochemical Science*

6) **R. Manu** and Sobha Jayakrishnan "Influence of polymer additive Mw on micro structural characteristics of electrodeposited copper" (34) 2, Apr. **2011**, *Bulletin of Materials Science*

7) **R. Manu** and Sobha Jayakrishnan."Influence of additives and the effect of ageing in modifying surface topography of the electrodeposited copper". *Journal of Electrochemical Society,* 156 (7) **(2009)** D215

8) S. M. A. Shibli and **R. Manu,** "Application of Electrochemical Machining Technique for the characterization of Zinc Coatings", *Journal of Materials Science,* 43, 12 **(2008)** 4282

9) S. M. A. Shibli, **R. Manu** and Semina Beegum, "Studies on the influence of metal oxides on the galvanizing characteristics of the hot-dip zinc coating" *Surface and Coating Technology*, 202 **(2007)** 1733

10) S. M. A. Shibli B. Jabeera and **R. Manu,** "Development of high performance aluminium alloy sacrificial anodes reinforced with metal oxides". *Materials Letters,* 61 **(2007)** 3000

11) S. M. A. Shibli and **R. Manu,** "Development of hot-dip coating having zinc oxide- rich inner layer for barrier protection". *Surface and Coatings Technology,* 201 **(2006)** 2358

12) S. M. A. Shibli, V. S. Dilimon, S. P. Antony and **R. Manu,** "Incorporation of TiO_2 in hot-dip zinc coating for efficient resistance to Bio growth". Surface and Coatings Technology, 200 **(2006)** 4791

13) S. M. A. Shibli and **R. Manu,** "Improvement of hot-dip zinc coating by enriching the inner

layers with iron oxide" *Applied Surface Science*, 252 **(2006)** 3058.

14) S. M. A. Shibli and **R. Manu,** "Process and performance improvement of hot-dip zinc coating by dispersed nickel in the under layer". Surface and Coatings Technology, 197 **(2005)** 103.

15) S. M. A. Shibli, **R. Manu** and V. S. Dilimon, "Effect of nickel rich barrier layer on improvement of hot-dip zinc coating". *Applied Surface Science*, 245 **(2005)** 179

16) S. M. A. Shibli and **R. Manu,** The paper entitled "Nickel under layer for hot-dip zinc coatings" *Advanced Coatings and Surface Technology,*12 **(2005)** 5, **ISSN : 0896-422X Publisher : Frost and Sullivan Group, UK.**

17) S. M. A. Shibli and **R. Manu,** The paper entitled "Incorporation of TiO_2 in hot-dip zinc coating for efficient resistance to Bio growth", *Advanced Coatings and Surface Technology,*18 **(2005**) 3, **ISSN : 0896-422X, Publisher : Frost and Sullivan Group, UK.**

3. *Mrs. Nisha Nandakumar*

3. **Nisha Nandakumar**, Philip Kurian "Chemosynthesis of Monodispersed Porous BaSO4 Nano-Powder by Polymeric Template Process and its Characterisation" Powder technology,Volume224,2012,p51-56

4. **Nisha Nandakumar**, Philip Kurian"Effect of chemical degradation on the mechanical properties of ethylene–propylene–diene (5-ethylidene-2-norbornene) terpolymer-BaSO4 nano composites" Materials & Design, Volume 43, 2013, p 118-124

Awards and achievements
o Member and Treasurer in Society of polymer technologists(SPOT) from 2008-09
o Member of Indian Rubber Institute, South zone.
o Selected as SRF fellow by IISC Bangalore for SRF programme 2008.
o Paper presented at Mahathma Gandhi Engineeringcollege (MGUCE), Thodupuzha was
    selected for Best paper award.
o Awarded with DST-PURSE JRF 2010

4. Smt. Rohini. K. N.

1. Rohini Kuttiplavil Narayanan, Navya KuttamasseryNethran, Sudha Janardanan Devaki, Talasila PrasadaRao, "Robust Polymeric Hydrogel Using Rod-Like Amidodiol asCrosslinker: Studies on Adsorption Kinetics and MechanismUsing Dyes as Adsorbate"

J. APPL. POLYM. SCI. 2014, DOI: 10.1002/APP.40908

2. ReenaViswan Lilly, Sudha Janardhanan Devaki, Rohini Kuttiplavil Narayanan, Neethu Kalloor Sadanandhan "Design of a Nanostructured Electromagnetic Polyaniline–KegginIron–Clay Composite Modified Electrochemical Sensor for theNanomolar Detection of Ascorbic Acid" J. APPL. POLYM. SCI. 2014, DOI: 10.1002/APP.40936

3.Sudha Janardanan Devaki, RohiniKuttiplavil Narayanan, Sivakala Sarojam "Electrically conducting silver nanoparticle poly acrylic acid hydrogel by insitureduction and polymerisation approach" Materials Letters, 2014,116, 135-138

4. ReenaViswan Lilly, Sudha Janardhanan Devaki, Rajaram Ramakrishnan, Rohini Kuttiplavil Narayanan, Neethu Kalloor Sadanandhan Percolated conductive polyaniline clay nanocomposite in poly vinyl chloride through the combined approach porous template and self assembly, eXPRESS Polymer Letters, 2014, 8, 107-115.

Monographs:

Chapter(s) in Books:

Editing Books:

Books with ISBN numbers with details of publishers:

Number listed in International Database:

☐ Citation Index – range / average:

☐ SNIP: ☐ SJR:

☐ Impact factor – range / average:

☐ h-index:

19. Areas of consultancy and income generated: 1) Water testing & Biogas – consultancy   (Testing Charges for Purchasing chemicals for water analysis) **2)** Peptide synthesis

20. Faculty as members in committees: 1. Smt. C.N.SARALA

                                         i) H. O. D. of Chemistry

                                         ii) Member of Board of Studies-Medical Laboratory   Technologgy,Calicut university iii) Subject Expert for the appointment of Assistant professors in Mercy college,Palakkad,N.S.S. colleges under Calicut University,Colleges under Cochin Devaswom Board ,& Guruvayurappan College,Kozhikkode iv) Member of Management Committee Chinmaya   Vidyalaya, Kolazhy.

2. Dr. K.S.Vijayalakshmi Amma :   UG & PG Board of studies – Pharmaceutical Chemistry

 Calicut University

21. Student projects:

a). *Percentage of students who have done in-house projects including inter-departmental*:

b). *Percentage of students doing projects in collaboration with industries / institutes*:   80% students are doing the projects in institutes C-MET Thrissur , Travancore Cochin Chemicals Cochi , FACT Kalamassery , IRTC , CUSAT , KSE Irinjalakkuda , Vaidyaratnam Oushadhasala Ollur .

22. Awards / recognitions received by faculty and students:

1. Dr. K. P. SUBHASH CHANDRAN

Association with Professional body's: 1) Member, Asia & Mideast Association of chemist

2) Member,Advanced Computing and Communication Society(ACS),Bangalore

Special Activities   : (1) Co coordinator –The first among the government   aided colleges in the state to have a Wi-Fi enabled   campus at Sri Vyasa NSS college.A Rs- 1300000/-   project under MPLADS Ottappalam

Invited talks   : 1) St. Mary's college,Thrissur(UGC Sponsored seminar)

2) St.Dominic college,Kanjirappilly(UGC Sponsored wokshop)

3) NSS college Nenmara(UGC Sponsored seminar)

2. Dr. R. Manu

Invited Talks /Key note address

1) Delivered an invited lecture on title **"Surface profiling of exotic materials using XPS** (X-ray photoelectron Spectroscopy) in connection with **Hydrogen Energy and Advanced Materials (HEAM Scientist)** conference held at Department of Chemistry, Univ. of Kerala, Kariavattom campus, Thiruvananthapuram on 11-12 December-2013

2) Delivered an invited lecture on title **"Surface profile using XPS (**X-ray photoelectron Spectroscopy) in connection with **Hydrogen Energy and Advanced Materials (HEAM)** conference held at **Mar Ivaneous College,** Nalanchira, Thiruvananthapuram during 6-9 November -2013.

3) Delivered a talk as key note speaker on title **"Recent progress in Electrochemical research" in connection with Science day celebration at Raju`s College of Arts and Science, at Rajapalayam, Tamilnadu on 28** [th] **Feb. 2013**

4) Delivered a talk as invited speaker on title **"Electrochemistry: Concepts to Applications" Govt. College, Kasaragod, Kerala, Recent Challenges and Progress in Chemistry-2012, (RCPC)- Feb. 16-18, 2012**

Awards

- Received **Best Paper Award** for the paper titled **"Fabrication of Flexible Cu-MWCNT thin films for electronics applications" NCEDAR-2012** held at J.N. Tata Auditorium, IISc, Bangalore during 4-6 [th] december-2012 organized by IPC-India

- Awarded **Research Associate ship by CSIR**, New Delhi to do postdoctoral work. Council of Scientific and Industrial Research (CSIR) is coming under Ministry of Science and Technology, Govt. of India. CSIR has 37 labs working under various fields and CECRI (Central Electrochemical Research Institute) one such establishment.

Member in professional bodies

- Active member of **Electrochemical Society, US**.

- Member of Society for Advancement of Electrochemical Science and Technology **(SAEST)**. Central Electrochemical Science and Technology (CECRI) Karaikudi, Tamilnadu,

- **Reviewer for journals**
  -
    - Journal of Electrochemical Society, (Electrochemical Society, US)
    - Materials Letters, (Elsevier Publishers)
    - Journal of Applied Electrochemistry, (Springer Publishers)
    -

23. List of eminent academicians and scientists/visitors to the departments:

1.	R.Ratheesh	C-MET Thrissur	20-03-2007
2.	Shaji James	K.C.A.E.T Thavanoor	27-09-2007
3.	Gokul Das	Srikrishna College Guruvayur	04-03-2008
4.	V.V. Surendran	Asst. Excise commissioner Thrissur	28-10-2009
5.	Dr. Kumar	Scientist C-MET Thrissur	15-07-2011
6.	Dr. Manoj	SNGS Pattambi	16-12-2011
7.	Dr. A.Ramalingam	B-Sustain Energy Projects	01-02-2012
8.	Dr.N.Potty	Scientist C-MET Thrissur	22-06-2013

24. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

25. Student profile programme/ course-wise:

1. *B.Sc.*

SL NO.	*Year*	*Applications Received*	*Selected*	*Enrolled*		*Pass percentage*
				Male	Female	
1.	2007-2008	379	24	4	20	83.3
2.	2008-2009	371	21	3	18	83.3
3.	2009-2010	339	20	3	17	84.2
4.	2010-2011	235	20	6	14	61.6
5.	2011-2012	364	28	6	22	84
6.	2012-2013	684	30	9	21	61.1

SL NO.	Year	Applications Received	Selected	Enrolled		Pass percentage
7.	2013-2014	189	29	6	23	65.4

2. M.Sc

SL NO.	*Year*	*Applications Received*	*Selected*	*Enrolled*		*Pass percentage*
				Male	Female	
1.	2007-2008	134	12	2	10	
2.	2008-2009	124	12	-	12	92
3.	2009-2010	163	10	1	9	80
4.	2010-2011	99	12	1	11	100
5.	2011-2012	Centralized allotment progaramme		-	12	100
6.	2012-2013	160	12	1	11	100
7.	2013-2014	143	11		11	not published

26. Diversity of students:

Name of the Course	% of students from the same State	% of students from other States	% of students from other countries
M.Sc.	100	-	-
B.Sc.	100	-	-

27. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? :

Sl No.	NAME	QUALIFIED MONTH &YEAR	NET/JRF
1.	Vani . K	June-2007	JRF
2.	Usha . M	June-2008	JRF
3	Sinu C.R	December-2009	JRF
4.	Divya P.R	June-2010	JRF
5.	Divya C.U	June-2010	NET
6.	Nishad K.M	June-2010	NET
7.	Nishad K.M	June-2011	JRF
8.	Suchitra V.C	June-2012	JRF
9.	Reshma.P.Xavier	June-2012	NET
10.	Sindhu. K	June-2012	NET
11.	Prathibha Chandran	June-2012	JRF(UGC)
12.	Remya . K	December-2012	NET
13.	Divya C.G	December-2012	NET
14.	Nithya C.S	December-2012	NET
15.	Vijisha K Rajan	December-2013	JRF

28. Student progression:

Student Progression	Percentage against enrolled

UG to PG	30-40%
PG to M.Phil.	20%
PG to Ph.D.	20-30%
Ph.D. to Post-Doctoral	8-10%
Employed a). Campus selection b). Other than campus recruitment	 1% 40%
Entrepreneurs/self employment	40%

29. Present details about infrastructural facilities:

a) Library: The college library keeps 2504 Chemistry books. The following 5 journals are subscribed

1. International Journal of Chemistry

2. Journal of Chemical Sciences

3. Sadhana

4. Resonance

5. Current Science

b) Internet facilities for staff and students **:** Available in Chemistry Seminar Hall to

Staff and students.

c) Class rooms with ICT facility:

30. Number of students of the department getting financial assistance from College, University, government, other agencies:

75% students are enjoying K.P.C.R.Scholarship, 2% avail Suvarnajubilee Scholarship.10%students were eligible for U.G.C. Stipend and 10% got U.G.C. Travelling allowance.20%belong to S.C. category and they avail the stipend. 20% availing single girl child scholarship instituted by Ministry of Human resource development. Govt. of India.

31. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts:

32. Teaching methods adopted to improve students' learning:

In addition to blackboard and chalk we adopt PowerPoint presentation for teaching. Virtual classes have been arranged through web based teaching methods through on-line teaching practices. Teachers make use of ball and stick models as well as paper models to explain the structure of molecules. B.Sc. Students are taken to industries / research centers to enhance their research aptitude. Small projects are done by B.Sc. Students in their laboratories itself while most of M.Sc. Students are doing their project work in industries or research centers by which they are getting more exposure. Student seminars were conducted at periodical intervals in each semester programmes on selected topics to enhance teaching skill and for in-depth understanding in those topics.

33. Participation in Institutional Social Responsibility (ISR) and Extension activities:

20% BSc. Students are enrolled in national service scheme.They are very dedicated and do services such as cleaning public places, helping some selected poor families physically as well as financially. They are very active in cultivating vegetables in college compound without the use of pesticides. NCC students are doing their services in a different way. They try to help keeping discipilne in need especially at the time of admission, union activities etc

34. SWOC analysis of the department and Future plans:

1. Teachers in the department plan to organize /attend lectures and seminars.

2. The department is planning to publish magazine with contribution from students and staff.

3. The Chemistry department in consultation with other Science departments is planning to offer supporting courses Public Health and Hygiene, Environmental Science etc.

EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF COMMERCE

1. Name of the Department: Department of Commerce

2. Year of establishment: 1975

3. Names of Programmes / Courses offered: UG: B.Com (CCSS)

4. Names of Interdisciplinary courses and departments involved:

5. Annual/ semester/choice based credit system: Choice based Credit Semester System

6. Participation of the department in the courses offered by other departments:

Fifth semester student have an option to select the open courses offered by other department

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 sanctioned and filled:

Posts	Sanctioned	Filled
Professor	NIL	NIL
Associate Professors	1	1
Asst. Professors	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	No. of Ph.D.

				Experience	students guided for the last four years
Dr.KK.Lathika	M.Com, Ph.d	Associate. Professor	FINANCE	29 yrs	NIL
Sanesh.C	M.Com, PGDM, B.Ed., NET, JRF	Asst. Professor	FINANCE	4 yrs	NIL
Hasetha.K	M.Com, B.Ed., NET, JRF	Asst. Professor	FINANCE	2 yrs	NIL
Swapna.o.s	M.Com, NET,	Guest Lecturer		1 yrs	Nil

11. List of senior visiting faculty:

12. Percentage of classes (Theory & Practical classes) taken by temporary faculty (programme-wise information):
21 %

13. Student-Teacher Ratio (Programme-wise):
1:15

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: nil

15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:
- Sanesh.c- A study of personal management in Kerala state Road Transport Corporation (KSRTC)- (UGC)-Rs.50,000
- Hasetha.k- Comparative studies on e-banking service between nationalized and private banks.-Rs.50,000

16. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil.

17. Research facility / centre with: Nil.

18. Publications:

Publication per faculty: Sanesh.C – 2 Publications – National

Mr. SANESH C

1. "An article on sebi's contribution into the field of financial education" Proceedings of National conference on emerging trends in management towards sustainable development, **Veltech** University Chennai [2012]
2. "inclusive financing through mutual funds" Proceedings of National conference on emerging trends in management towards sustainable development, **Veltech** University Chennai [2012]

Monographs: Nil.

Chapter(s) in Books: Nil.

Editing Books: Nil.

Books with ISBN numbers with details of publishers: Nil.

Number listed in International Database: Nil

☐ Citation Index – range / average: Nil

☐ SNIP: Nil

☐ SJR: Nil

☐ Impact factor – range / average: *Acta Phisiol. Plantarum* (1.4).

☐ h-index: Nil.

19. Areas of consultancy and income generated:

20. Faculty as members in committees: Nil

21. Student projects:

a). *Percentage of students who have done in-house projects including inter-departmental*: 100%

b). *Percentage of students doing projects in collaboration with industries / institutes*: Nil.

22. Awards / recognitions received by faculty and students:

- Sanesh.c-Empanelled as certified financial education trainer of SEBI

23. List of eminent academicians and scientists/visitors to the departments:

24. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil.

Conducted two day UGC sponsored national seminar on the topic "financial literacy towards financial inclusion"[October 10-11,2013]

25. Student profile programme/ course-wise:

Name of the course/ Programme (Refer question no. 4)	Applications Received	Selected	Enrolled		Pass percentage
			Male	Female	
(2007-08)	611	55	25	30	76
(2008-09)	624	55	21	34	76
(2009-10)	1190	55	17	38	75
. (2010-11)	1480	60	30	30	88
(2011-12)		60	25	35	90
.(2012-13)		60	25	35	90.7
(2013-14)		60	32	28	83.33

26. Diversity of students:

Name of the Course	% of students from the same State	% of students from other States	% of students from other countries

BCom	100	NIL	NIL

27. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : Data not available

28. Student progression:

Student Progression	Percentage against enrolled
UG to PG	70
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed a). Campus selection b). Other than campus recruitment	
Entrepreneurs/self employment	

29. Present details about infrastructural facilities:

a) Library:

b) Internet facilities for staff and students:

c) Class rooms with ICT facility:

30. Number of students of the department getting financial assistance from College, University, government, other agencies:

Central Assistance - **5%**

KPCR - **50%**

31. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts:

Special lectures on leadership programmes, Career advancement, Women empowerment.

32. Teaching methods adopted to improve students' learning:

Remedial teaching, Student seminars

33. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- National Service Scheme

- Financial literacy cell in the Department conducting financial awareness programmes for different segments of the society which helps general people for effective personal financial management.

34. SWOC analysis of the department and Future plans:

1. Eminent and dedicated faculty

2. Absence of PG course

3. Environmental challenges

4. Impart education through LCD projector and latest technology

5. Have a PG course and make department a research wing.

EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF ECONOMICS

1. Name of the Department: Department of Economics

2. Year of establishment: 1967

3. Names of Programmes / Courses offered: UG: B.A.Economics (CCSS)

4. Names of Interdisciplinary courses and departments involved: Banking – open course

5. Annual/ semester/choice based credit system: Choice based Credit Semester System

6. Participation of the department in the courses offered by other departments:

Fifth semester student have an option to select the open courses offered by other department

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 sanctioned and filled:

Posts	Sanctioned	Filled
Professor	NIL	NIL
Associate Professors	2	2
Asst. 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 for the last four years
Ajithkumar.C.S	MA, M.Phil	Associate. Professor	Agrl. Economics	30 yrs	NIL
Dhanya.s	MA, M.Phil,B.Ed	Assistant Professor	Economics	6 months	NIL
Saranya Chandran	MA, B.Ed.set	Guest Lecturer	Economics	2 yrs	NIL
Sandeep.A.v	MA, NET	Guest Lecturer	Economics	6 months	NIL

11. List of senior visiting faculty:

12. Percentage of classes (Theory & Practical classes) taken by temporary faculty (programme-wise information):
B. A Course- 33%

13. Student-Teacher Ratio (Programme-wise):
First Year B.A. -   50:1
Second Year B.A. -   50:1
Third Year B.A. - 44:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: nil

15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: M.Phil-2, PG-1

16. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil.

17. Research facility / centre with: Nil.

18. Publications: Nil

Monographs: Nil.

Chapter(s) in Books: Nil.

Editing Books: Nil.

Books with ISBN numbers with details of publishers: Nil.

Number listed in International Database: Nil

☐ Citation Index – range / average: Nil

☐ SNIP: Nil

☐ SJR: Nil

☐ Impact factor – range / average: *Acta Phisiol. Plantarum* (1.4).

☐ h-index: Nil.

19. Areas of consultancy and income generated:

20. Faculty as members in committees: Nil

21. Student projects:

a). *Percentage of students who have done in-house projects including inter-departmental*: 100%

b). *Percentage of students doing projects in collaboration with industries / institutes*: Nil.

22. Awards / recognitions received by faculty and students: Nil.

23. List of eminent academicians and scientists/visitors to the departments:

1. Dr. VK. VIJAYAKUMAR, Eminent Economist and Financial Market Expert.

2. Prof . VENKITESWARAN, IIT, Mumbai

24. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil.

25. Student profile programme/ course-wise:

Name of the course/ Programme (Refer question no. 4)	Applications Received	Selected	Enrolled		Pass percentage
			Male	Female	
B.A. (2007-08)	320	59	30	29	94
B.A. (2008-09)	292	50	22	28	91
B.A. (2009-10)	346	40	15	25	90
B.A. (2010-11)	410	40	12	28	59
B.A. (2011-12)	295	48	17	31	92
B.A. (2012-13)		50	19	31	48
B.A. (2013-14)		50	26	24	66

26. Diversity of students:

Name of the Course	% of students from the same State	% of students from other States	% of students from other countries
B.A.Economics	100	NIL	NIL

27. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : Data not available

28. Student progression:

Student Progression	Percentage against enrolled
UG to PG	24
PG to M.Phil.	02
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed a). Campus selection b). Other than campus recruitment	
Entrepreneurs/self employment	07

29. Present details about infrastructural facilities:

a) Library: Library holds more than 1962 books and subscribes to one national journal (current science). The Department Faculty have another 200 volumes which are available to students.

b) Internet facilities for staff and students: An Internet Lab with more than 22 computer and broad band connection.

c) Class rooms with ICT facility: No

30. Number of students of the department getting financial assistance from College, University, government, other agencies:

31. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts:

32. Teaching methods adopted to improve students' learning:

(1) Classroom lectures using teaching aids such as audio-visual aid.

(2) Practicals using fresh and preserved materials and teaching aids as above.

(3) Conduct field trips to the campus once in a week for final year students for studying plant taxonomy and biodiversity.

(4) Conduct study tour (5-10 days) to the ecologically and biodiversity important areas in south India.

(5) Class tests conducted at the end of each module.

33. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil.

34. SWOC analysis of the department and Future plans:

- To start PG programme in economics

- To adopt microlevel teaching with the help of teaching aids, funded by UGC

- To conduct a national seminar on a current economic issue at the earliest

EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF ENGLISH

1. Name of the Department: ENGLISH

2. Year of establishment: 1988

3. Names of Programmes / Courses offered: U.G B.A ENGLISH

4. Names of Interdisciplinary courses and departments involved: FILM STUDIES (OPEN COURSE)

5. Annual/ semester/choice based credit system: Choice Based Credit System

6. Participation of the department in the courses offered by other departments: Fifth semester students have to option to select the open courses offered by other Departments

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses / programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts sanctioned and filled:

	Posts	Sanctioned	Filled
	Professor	Nil	Nil
	Associate Professor	2	2
	Assistant Professor	5	3
	Guest lecturer		1

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last four years
Dr.K.P.Nanda Kumar	M.A, M. Phil,Ph.D	Associate Professor	Literature	33	-
Kavitha .K	M.A	Associate Professor	Literature	24	-
Anapoorna Iyer	M.A,UGC NET,JRF	Assistant Professor	Literature	2	-
Uma Parvathi	M.A,B.Ed, SET,UGC NET	Assistant Professor	Literature	2	-
Dr.Pradeep Kumar.K	M.A,B.Ed, Ph.d	Assistant Professor	Literature	2	-
Unnikrishnan.k	M.A, M.Ed,NET	Assistant Professor	Literature	7 months	-
Athira Ramachandran	M.A,B.Ed,NET	Assistant Professor	Literature	7 months	-
Greeshma.c	M.A,	Guest Lecturer	Literature	2 years	-

11. List of senior visiting faculty: Nil

12. Percentage of classes (Theory & Practical classes) taken by temporary faculty (programme-wise information): 22 %
13. Student-Teacher Ratio (Programme-wise): B.A Main 24 : 1
Combination Classes : 74 : 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Nil

15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:

- Dr.Pradeep Kumar.k-A study of the Evolution of Literary Ecology in Malayalam Literature and Impact on Eco-politics in Kerala
- Uma Parvathy.V-Voice Of Dissonance In Patriarchal Domesticity :A Study Based On The Women Characters Of Nayantara Sahgal's Novels

16. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:
U.G.C sponsored two day National Seminar Rs. 10,7000/-

17. Research facility / centre with:
Nil

18. Publications:

Monographs:

Chapter(s) in Books: 2

Editing Books:

Books with ISBN numbers with details of publishers:

Number listed in International Database:

☐ Citation Index – range / average:

☐ SNIP:

☐ SJR:

☐ Impact factor – range / average:

☐ h-index:

19. Areas of consultancy and income generated:

Nil

20. Faculty as members in committees:

21. Student projects:

22. Awards / recognitions received by faculty and students: Nil

23. List of eminent academicians and scientists/visitors to the departments: Nil

24. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

- UGC Sponsored national seminar on" Myth And Folklore In Milieu Of Indian Writing In English"

25. Student profile programme/ course-wise: (Average of the last four years)

Name of the course/ Programme (Refer question no.4)	Applications Received	Selected	Enrolled		Pass percentage
			Male	Female	
2007-2008	350	24	5	19	62
08-09	360	29	7	22	72
09-10	345	30	6	24	77
10-11	370	24	5	19	85
11-12	400	29	10	19	78
12-13		30	6	24	78
13-14		30	8	22	68

26. Diversity of students:

Name of the Course	% of students from the same State	% of students from other States	% of students from other countries
B.A English	96	4	0

27. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? :

NET- 8

28. Student progression:

Student Progression	Percentage against enrolled
UG to PG	70 %
PG to M.Phil.	15 %
PG to Ph.D.	10 %
Ph.D. to Post-Doctoral	NIL
Employed a). Campus selection b). Other than campus recruitment	65 %
Entrepreneurs/self employment	15 %

29. Present details about infrastructural facilities:

a) Library:

b) Internet facilities for staff and students: Computer Lab with 22 system and B .S.N .L Broad Band Connection

c) Class rooms with ICT facility: Yes, One smart class room

30. Number of students of the department getting financial assistance from College, University, government, other agencies: 40 students get KPCR

31. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts: Seminars and assignments in each semester Two internal Examinations in each Semester.

32. Teaching methods adopted to improve students' learning:

Traditional Method , using OHP , multimedia projector ,Extension Lectures seminars remedial coaching for students

33. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- The English Department in the college offers an Add On Course in Advanced Diploma in Communicative English. TEACH is another initiative by the department which aims at familiarising the new methods of teaching and learning English language to School students of the local community. EWE is another programme which aims at imparting communicative English training to the rural women of neighbouring panchayath

Compulsory Social services, N S S, N C C etc

34. SWOC analysis of the department and Future plans:

1. To start P.G programme in English

2. To conduct national and inter national Seminars

3. To adopt micro level teaching with the Help of Teaching aids , funded by U G C

4. Twinning and Collaboration with other universities on National and International Scale

5. Planning to conduct student exchange Programmes

6. Emphasis on empowerment of women and Job procurement.

EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF HISTORY

1. Name of the Department: HISTORY

2. Year of establishment: 1999

3. Names of Programmes / Courses offered: BA History (CCSS)

4. Names of Interdisciplinary courses and departments involved: Open course

5. Annual/ semester/choice based credit system: CCSS

6. Participation of the department in the courses offered by other departments: Heritage studies

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 sanctioned and filled:

Posts	Sanctioned	Filled
Associtae Professor	Nil	Nil
Assistant Professor	3	2

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last four years
Dr. Jyothirmani Vatakkayil	MA. B.Ed, SET, Ph.D	Assistant Professor	Modern History	2.5 years	Nil
Mrs. Noorjehan Majeed	MA. B.Ed., NET	Assistant Professor		2.5 years	Nil
Mrs. Viji.J.Aloor	MA, B.Ed.	Guest Lecturer	Modern History	2 years	Nil

11. List of senior visiting faculty: Nil

12. Percentage of classes (Theory & Practical classes) taken by temporary faculty (programme-wise information): 30%

13. Student-Teacher Ratio (Programme-wise):   1:50

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

   Nil

15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: Two minor projects funded UGC (90000 + 40000)

16. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil

17. Research facility / centre with: Nil

18. Publications:

Papers published in journals

Dr.Jyothirmani Vatakkayil

1. "The Servants of India Society in Modern Kerala History", *Proceeding of the Indian History Congress* *(*67th Session, Farook College, Calicut University 2006-07)

2. "Malabarile Vidyabhyasavum D.M.R.T. Prasthanavum", *Adayalam,* Golden Jubilees Souvenir*,* GVHSS Payyoli, 2007-08.

3. "Rural Upliftment: The SIS/DMRT Model" *Govt. Arts and Science College Research Journal-*October, 2007*.*

4. "Sir C. Sankaran Nair and the Liberalist phase of Indian Politics" *,Govt. Arts and Science College Research Journal-*March, 2009*.*

5. Keezhariyoor: Charithra Perumayude Akshara Sakshyayam, (Mal) *Sakshyam-2010.* Keezhariyoor Grama Panchayath, Gramotsav Souvenir.

6. "V.R. Nayanar-the Ascetic Pilgrim of Kerala Politics" *Proceedings of Indian History Congress, 2008-09,* New Delhi.

7. The Servants of India Society in Modern Kerala History", *Proceeding of India History Congress, 2007-08,* New Delhi.

8. "Gokhale's Nationalism: A Critique", *CURJ Calicut University Research Journal, Vol.VII,* issue.1, 2009.

Accepted for Publication

Book

The Servants of India Society in Kerala, Malabar Institute for Research and Development Calicut (Forthcoming).

Articles

1.   From Communalism to Secularism: Contours of Transformation in Ernad/Malabar, *Proceeding of UGC National Seminar,* NSS College Manjeri 2012. (Forthcoming)

2.   "Megaliths of Thrissur: An Overview" *Proceeding of UGC National Seminar. Archeology of Kerala with Special Reference to Megalithic Culture,* NSS College Manjeri, 2013.

3.   "Women Empowerment: The SIS/DMRT Model Govt.Arts & Science College Research Journal, Calicut, 2013 (Forthcoming).

Minor Research Project (UGC) 2013-14

Civil Society Formation in Malabar: The Role of The Servants of India Society.

Paper Presentations

1.   "The 100 Year of the Servants of India Society: Its Relevance in Modern Kerala History", Indian History Congress: Modern Session, Calicut 2007.

2.   "V.R. Nayanar: The Ascetic Pilgrim of Kerala Politics", Modern Session, Kannur: 2008.

3.   From Communalism to Secularism: Contours of Transformation in Ernad/Malabar, Proceeding of UGC National Seminar, NSS College Manjeri, 28th January 2012.

4.   "Megaliths of Trissur: An Overview" *Proceeding of UGC National Seminar. Archeology of Kerala with Special Reference to megalithic Culture,* NSS College Manjeri, 6th June 2013.

Mrs. Noorjahan Majeed

Paper presented
1. 'Ernandan Malayalathil Mappilamalayalathinte Swatheenam'
2. 'The Obsession of Gold among Kerala women and issues; a historical perspective'
3. 'Kerala responsible tourism initiative at Kumarakam – a tool of women empowerment'.

Monographs: Nil

Chapter(s) in Books:

Editing Books:

Books with ISBN numbers with details of publishers:

Number listed in International Database:

⬚ Citation Index – range / average:

⬚ SNIP:

⬚ SJR:

⬚ Impact factor – range / average:

⬚ h-index:

19. Areas of consultancy and income generated:

20. Faculty as members in committees:

21. Student projects:

a). *Percentage of students who have done in-house projects including inter-departmental*: 100% of students who have done departmental projects

b). *Percentage of students doing projects in collaboration with industries / institutes*: Nil

22. Awards / recognitions received by faculty and students: Nil

23. List of eminent academicians and scientists/visitors to the departments:

Dr.M.Vijayalakshmi, Associate Professor, Rtd, NSS College, Manjeri

24. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil

25. Student profile programme/ course-wise:

Name of the course/ Programme (Refer question no. 4)	Applications Received	Selected	Enrolled		Pass percentage
			Male	Female	
BA History 2007-08	527	56	19	37	85
BA History 2008-09	406	33	11	22	87
BA History 2009-10	394	40	11	29	92
BA History 2010-11	402	40	11	29	93
BA History 2011-12	620	47	17	30	95

26. Diversity of students:

Name of the Course	% of students from the same State	% of students from other States	% of students from other countries
BA History	100%	Nil	Nil

27. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : Data not available

28. Student progression:

Student Progression	Percentage against enrolled
UG to PG	20%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed a). Campus selection b). Other than campus recruitment	68 %
Entrepreneurs/self employment	

29. Present details about infrastructural facilities:

a) Library:

b) Internet facilities for staff and students: 20 computers

c) Class rooms with ICT facility:

30. Number of students of the department getting financial assistance from College, University, government, other agencies:

31. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts:

Department conducted special lectures in connection with special occasions.

32. Teaching methods adopted to improve students' learning:

Class room lectures using teaching aids, conduct field trips - Historically important sites, Conduct study tour 3-5 days as part of University syllabus, Class tests are conducted at the end of each module.

33. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The students of this department actively participating in the NCC/NSS/CSS programmes

34. SWOC analysis of the department and Future plans:

1. Start PG course in History

2. Arrange an Archeological museum.

EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF MATHEMATICS

1. Name of the Department: P.G. Department of Mathematics

2. Year of establishment: 1981

3. Names of Programmes / Courses offered: B.Sc mathematics, M.Sc mathematics

4. Names of Interdisciplinary courses and departments involved:

5. Annual/ semester/choice based credit system:

6. Participation of the department in the courses offered by other departments:
Taking class for subsidiary mathematics of Physics and Chemistry one core course and BA Economics

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 sanctioned and filled:

Posts	Sanctioned	Filled
Associate Professor	1	1
Assistant professor	8	2
Guest Lecturers		5

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last four years
K.R. Vijaya Kumaran Pillai	M.Sc B.Ed,	Associate professor	maths	30	-
Akhil Damodaran	M.Sc ,M.Phil,NET	Assistant Professor	maths	1	-
Smitha	M.Sc ,NET	Assistant Professor	maths	1	-
Anusha.M.K	M.Sc ,B.Ed	Guest Lecturer	maths	3	-
Anila.p.v	M.Sc B.Ed,	Guest Lecturer	maths	3	-
Akhil.k	M.Sc ,	Guest Lecturer	maths	1	-
Ragi.T.R	M.Sc ,NET[JRF]	Guest Lecturer	maths	2	-
Hema.V.H	M.Sc ,B.Ed	Guest Lecturer	maths	3	-

11. List of senior visiting faculty: NIL

12. Percentage of classes (Theory & Practical classes) taken by temporary faculty (programme-wise information): M.Sc – 40 %
                                    : B.Sc – 95 %

13. Student-Teacher Ratio (Programme-wise):
      M.Sc : 8 : 3
      B.Sc : 9 : 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Posts	Sanctioned	Filled
NIL	NIL	NIL

15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: NIL

16. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:
NIL
17. Research facility / centre with: NIL

18. Publications:

Monographs: NIL
Chapter(s) in Books: NIL
Editing Books: NIL
Books with ISBN numbers with details of publishers: NIL
Number listed in International Database: NIL
☐ Citation Index – range / average:

☐ SNIP:

☐ SJR:

☐ Impact factor – range / average:

☐ h-index:

19. Areas of consultancy and income generated: NIL

20. Faculty as members in committees:

1. Staff Selection Comitte

Admission Committee- K. R. Vijayakumaran Pillai, Subject expert

Discipline Committee- K. R. Vijayakumaran Pillai

2. University Examination Vigilance Committee

3. University examination Chief Supt.

21. Student projects:

a). *Percentage of students who have done in-house projects including inter-departmental*:

   30 %

b). *Percentage of students doing projects in collaboration with industries / institutes*:

   students doing projects in collaboration with can be for mathematical studies,KSCSTE

22. Awards / recognitions received by faculty and students: 7 UNIVERSITY rank

First rank-4 , second rank -2, third rank -1

23. List of eminent academicians and scientists/visitors to the departments: NIL

24. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: NIL

25. Student profile programme/ course-wise:

Name of the course/ Programme (Refer question	Applications Received	Selected	Enrolled		Pass percentage
			Male	Female	

no. 4)					
M.Sc	80	12	2	10	On going
B.Sc	360	30	12	18	83.33%
B.Sc open course	50	24			

26. Diversity of students:

Name of the Course	% of students from the same State	% of students from other States	% of students from other countries
M.Sc	100	NIL	NIL
B.Sc	100	NIL	NIL

27. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : Data not available

28. Student progression:

Student Progression	Percentage against enrolled
UG to PG	50 %
PG to M.Phil.	Date not available
PG to Ph.D.	Date not available
Ph.D. to Post-Doctoral	Date not available
Employed a). Campus selection b). Other than campus	Nil 80 %

recruitment	
Entrepreneurs/self employment	20 %

29. Present details about infrastructural facilities:

a) Library: Good Library

b) Internet facilities for staff and students: yes

c) Class rooms with ICT facility: -

30. Number of students of the department getting financial assistance from College, University, government, other agencies: 90.5 %

31. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts:

32. Teaching methods adopted to improve students' learning:

Seminars, Project presentations , Analytic and synthetic diagnosis method are adopted.

33. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students are active members of N S S and N C C

34. SWOC analysis of the department and Future plans:

To make smart class room with ICT faci.ity, computers in each class rooms with internet facility, fully automated PG library.

EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF PHYSICS

1. Name of the Department: Physics

2. Year of establishment: 1980

3. Names of Programmes / Courses offered: B. Sc, M. Sc

4. Names of Interdisciplinary courses and departments involved: Nil

5. Annual/ semester/choice based credit system: Semester Based Credit System

6. Participation of the department in the 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 sanctioned and filled:

	Posts	**Sanctioned**	**Filled**
2014	8	8	8
2013	8	8	6
2012	8	8	6
2011	8	8	7

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

Name	Qualification	Designation	Specialization	No. of Years of Experien	No. of Ph.D. students

				ce	guided for the last four years
V P Suseel Babu	M.Sc, M. Phil	Associate Professor	Quantum Field Theory	30	-
G Sobhana	M.Sc	Associate Professor	-	28	-
K R Udayabhanu	M.Sc	Associate Professor	-	25	-
R Suneetha	M.Sc, M.Phil	Associate Professor	Nuclear Physics	25	-
K M Devadas	M.Sc, B.Ed, NET, SRF	Assistant Professor	-	-	-
K Suseel Rahul	M.Sc, NET, JRF	Assistant Professor	-	-	-
S Vineeth	M.Sc, NET	Assistant Professor	-	--	-
Unni Krishnan	M.Sc, NET, JRF	Assistant Professor	-	-	-

11. List of senior visiting faculty: Nil

12. Percentage of classes (Theory & Practical classes) taken by temporary faculty (programme-wise information): B.Sc – 25 %

M.Sc- 20 %

13. Student-Teacher Ratio (Programme-wise): B.Sc - 30:1

M.Sc- 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Posts	**Sanctioned**	**Filled**
2011	5	5	2
2012	5	5	2
2013	5	5	5
2014	5	5	5

15. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:
Nil

16. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:
Nil

17. Research facility / centre with:
Nil

18. Publications: 8

Monographs:

Chapter(s) in Books:

Editing Books:

Books with ISBN numbers with details of publishers:

Number listed in International Database:

☐ Citation Index – range / average:

☐ SNIP:

☐ SJR:

☐ Impact factor – range / average: 1.2 to 2.7 Avg :2.2

☐ h-index:

19. Areas of consultancy and income generated:

Nil

20. Faculty as members in committees:

K R Udayabhanu NCC Commissioned officer

21. Student projects:

a). *Percentage of students who have done in-house projects including inter-departmental*:

B.Sc 100 %, M.Sc -0%
b). *Percentage of students doing projects in collaboration with industries / institutes*:
B.Sc – 0%; M. Sc – 100%

22. Awards / recognitions received by faculty and students: Nil

23. List of eminent academicians and scientists/visitors to the departments: Nil

24. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

25. Student profile programme/ course-wise: (Average of the last four years)

Name of the course/ Programme (Refer question no. 4)	Applications Received	Selected	Enrolled		Pass percentage
			Male	Female	
B.Sc	275	30	14	16	95
M.Sc	90	12	4	8	100

26. Diversity of students:

Name of the Course	% of students from the same State	% of students from other States	% of students from other countries
B.Sc	100	0	0
M.Sc	100	0	0

27. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? :

1. Usha- NET-JRF

28. Student progression:

Student Progression	Percentage against enrolled
UG to PG	30%
PG to M.Phil.	N.A
PG to Ph.D.	N.A
Ph.D. to Post-Doctoral	N.A
Employed a). Campus selection b). Other than campus recruitment	Data not available
Entrepreneurs/self employment	Data not available

29. Present details about infrastructural facilities:

a) Library: No

b) Internet facilities for staff and students: Yes

c) Class rooms with ICT facility: Yes

30. Number of students of the department getting financial assistance from College, University, government, other agencies: Data not available

31. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts: Nil

32. Teaching methods adopted to improve students' learning:

Remedial coaching conducted 2011-2013

33. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Nil.

34. SWOC analysis of the department and Future plans:

1. DST Project.

2. National seminar on Material Science.

3. JRF- GATE Coaching for department students.

EVALUATIVE REPORT OF THE DEPARTMENTS WITHOUT MAIN COURSE

DEPARTMENT OF HINDI

1. Name of the Department   : **Hindi**
2. Year of Establishment   : **1967**
3. Name of Programmes /Courses offered : **Common Courses in B.A.,B,Sc. And B.Com**
4. Annual/Semester/Choice Based Credit System : **CCSS**
5. Number of Teaching Posts   : **One**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	One	One
Assistant Professors	Nil	Nil

6. **Student-Teacher Ratio (Programme wise) : I Year B.Com- 31:01**

            I Year B.A./B.Sc- 91:01

            II Year B.A./B.Sc- 68:01

7. **Faculty Profile :**

Sl.No.	Name	Qualifications	Designation	Specialisation	No.of Years of Experience	No.of Ph.D. students guided for the last 4 years
1.	Dr.P.Geetha	M.A. (Second Rank), M.Phil., B.Ed.,Ph.D., P.G. Diploma in Translation, Administra-tive Drafting and Reporting in Hindi	Associate Professor & Head	Post Independent Hindi Dramas	21 Years	Nil

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8. **Publications :**

Sl.No.	Name of Journal/Book	Title of the Article	Year of Publication
1.	Sangrathan(ISSN)	Naari ke youvan evam Matrutv ki Aahuthi- 'Madhavi'	2007
2.	Hindi Kahani Ke Sow Varsh(Book)	Madhyavargeey Mahatvakaamsha ki Dardnaak Parinathi	2008
3.	Anuseelan- Trilochan	Sameeksha ke saamaajik sarokaaron ka	2009

	Viseshaank (ISSN)	Saakshaatkaar	
4.	Sangrathan(ISSN)	Aatm Se Sankramit Stree Asmitha	2010
5.	Suvarn (Book)	Saampreadaayik Aatank ke Apratyaashit Phylaav Me Dam Khutthi Manaveeyata- 'Shahar Me Karfew' Ke Vishesh Sandarbh Me	2010
6.	Kavitha Ka Vartmaan	'Stree Mere Bheethar'	2011
7.	Anuseelan(ISSN)	Bhaaratheeyatha Ka Stree Sandarbh- Ila aur Nepathyaraag Ke Visesh Sandarbh Me	2012
8.	Samkaaleen Hindi Saahitya Aur Mahila Lekhan (Book ISBN)	Stri Asmitha Aur Hindi Naatak	2013
9.	Anuseelan(ISSN)	Samkaaleen Hindi Naatak : Ek Paaristhithik Paath	2013
10.	Souhridam (Malayalam Journal)	Kamba Ramayanam	2011
11.	Souhridam (Malayalam Journal)	Atbutha Ramayanam	2011
12.	Shruti Bhangam(Malayalam Drama)	Preface	2008
13.	Naadinnakam-2009(Drama Collection)	Preface	2009
14.	Naadinnakam-2010(Drama Collection)	Preface	2010

9. PARTICIPATION AND PRESENTATION IN SEMINARS &WORK SHOPS

Attended more than 50 National seminars in various colleges and universities and one International

seminar at St.Theresas College EKM.

Presentations of Papers

1. Presented a paper in UGC National Seminar in the Topic 'Samakaleen Hindi Natak Ke Ayam' entitled 'Stri Asmitha Aur Hindi Natak' conducted by SSUS, Kalady.

2. Presented a paper in the two-day UGC National Seminar on 'concept of freedom and Literature' conducted by Dept of Hindi, CUSAT.

3. Presented a paper in two day UGC National Seminar on 'Litereature and Cultural Study' conducted by CUSAT.

4. Presented a paper in the UGC National Seminar organised by the Dept of Hindi, St.Peter's college, Kolanchery.

5. Presented a paper in the two-day National seminar on 'Reading new; An inter disciplinary approach to Hindi Literature' organized by Dept. of Hindi St.Paul's College, Kalamassery.

6. Presented a paper in the two-day National seminar organized by Dept.of Hindi, Govt.Victoria College, Palakkad on 'Varthaman Hindi Alochana me Srujanathmakatha'.

7. Presented a paper entitlled 'Samakaleen Natakom me Nari Vimarsh' in the UGC National Seminar in Hindi on 'The New Trends in contemparory hindi literature with special emphasis on Feminist and Dalit Literature' organized by the PG.Dept.of Hindu & Research centre, Govt Arts and Science College, Calicut.

8. Presented a paper on 'Paristhitike Aur Vartaman Upanyas' in the UGC National Seminar on the 'Contemporary Hindi Fiction at SSUS,Regional centre, TCR.

9. Presented a paper in the three day UGC, DRS National Seminar on 'Indianness in Contemporary Hindi and Malayalam Drama conducted by CUSAT entitled 'Samakaleen Hindi Natak me Bharatheeyatha'

10. Presented a paper in the UGC National Seminar entitled 'Stri Asmitha aur Samakaleen Hindi Natak at Govt.Victoria College, Palakkad.

11. Presented a paper in the three day National Seminar on 'Communalismm;The realms of challenges in the contemporrary Hindi fiction entitled 'Sampradayik Aatank ke Apratyasit

phylav me Dam Khuthi Manaviyata' at Maharaja's College EKM.

12. Presented a paper in the National seminar on 'New trends in contemporary Hindi fiction at Malabar Christain College, Calicut.

13. Presented a paper in the three day UGC (DRS) National Seminar on Bharateeyata Aur Samakaleen Hindi Malayalam Katha Sahity' conducted by Dept.of Hindi CUSAT.

14. Presented a paper in the UGC sponsored National seminar on changing face of woman in

contemporrary society: A glimpse of Hindi Literature at St.Joseph's college,Irinjalakuda entittled 'Stree Asmitha Aur Hindi Natak Nepathya Rag, Aur Ila ke visesh Sandarbh me'

15. Presented a paper in the inter University conference on modern Hindi drama and threatre jointly conducted by the research forum, Alumini Association and the Dept. of Hindi, University of calicut held 2012 at EMS seminar complex, University of Calicut entitled 'Sama Kaleen Hindi Natak

Paristhitik path

10. Other activities :

1. Judge in Hindi competitions in SSUS Kalady Youth Festival on 25th, 26th,27th, Oct.2005

2. Judge in Hindi Competitions in Bhavan's Cultural Fest 2012.

3. Subjet-Expert in various selection committees of schools.

4. Inaugurated the activities of Women Cell in P.M.Govt.College, Chalakkudy and dlivered key note address in 2012

5. Inaugurated the activities of Hindi day celebrations of Navodaya Vidyalay, Mayannur,Trissur.

Rubber board , and various schools.

6. Resource person in Ankanam Vanitha Katha Camp.

7. Taken a class in the one-day workshop counducted by Sarva Siksha Abhiyan,Block Resource Centre, Chalakkudy in connection with international women's day celebrations at GLPS East

Chalakkudy.2013

8. Inaugurated the Conference of Guruvayoor-Region Balagokulam and delivered a key note address.

9. Inaugurated the personality development class conduted by 'Samanvaya club' Kolazhi.2011

10. Felicitations in the Bharath.P.J.Antony Award Ceremony conducted by 'PART' TCR, in the year 2009, 2010, 2011,2012, 2013 at Sahitya Academy.

11. Resource person of Ramayana seminar conducted by Sahrudaya Samithi.

12. Suject Expert in the selection committee for the selection of Asst. Professors in Hindi for the colleges under Cochin Devaswom Board and the colleges under NSS,affiliated to Calicut University.

13. Inaugurated the 'Pratibha Puraskar' ceremony conducted by Guruvayoor Nagar Samithi and Seva Trust.

14. Inaugurated the function of Premchand Smrithi Samaroh and delivered a key-note address at the Regional Centre of Sri Sankaracharya University of Sanskrit, Trissur.

15. Judge of the Hindi Debate as part of KVS Cluster Level Social Science Exhibition at Kendriya Vidyalaya, Trissur.

16. Inaugurated the Valedictory Function of Hindi Fort-night of Kendriya Vidyalaya, Trissur.

17. Delivered a talk in the function of P.J. Antony memorial Award Distribution ceremony as a Jury Member at Sahitya Academy, Trissur.

18. Delivered a talk as Resource Person in a seminar conducted by People's Eye of Trissur.

19. Inaugurated and delivered the key-note address in the cultural conference at Thichur Dharmasastha temple, Tichur.

20. Delivered the key-note address in the commemoration of eminent Malayalam story-writer C.V. Sreeraman at Sahitya Academy, Trissur.

11. Positions held :

1. Board Member of UG-Hindi, Calicut University

2. Member of the Board of paper setters in Avinashilingam University, Coimbatore.

3. Juri Member of Bharath P.J.Antony Memorial Drama Award from 2009 onwards.

4. Sub Editor of 'Jana vikalp'(ISSN)-Half yearly Hindi Magazine published by 'Vikalp, TCR.

5. Member of 'Hindi Prathistan'

12. Positions held in the college: Secretary, College Council, Convenor of Tutorial Cmmittee, PTA Executive Member, Member Women Cell, Staff Editor, Member Anti-Women Harassment Committee, Member Research Cell

13.Student Profile : Programme/ course vise :

	B.A./B.Sc					B.Com				
	2007-09	2008-10	2009-11	2010-12	2011-13	2007-08	2008-09	2009-10	2010-11	2011-12
No. of Students Admitted	75	60	72	74	63	31	28	21	38	27
Appeared	70	55	64	68	60	31	27	21	38	27
Passed	70	55	64	68	59	31	27	21	38	27
I class	37	43	A Grade-20	A Grade-25	A Grade-21	31	18	A Grade-1	A Grade-27	A Grade-7
II class	21	10	B Grade-42	B Grade-40	B Grade-31	0	5	B Grade-16	B Grade-10	B Grade-18
III class	12	2	C grade-2	C grade-3	C grade-8	0	4	C grade-4	C grade-1	C grade-2
Failed	0	0	0	0	1	0	0	0	0	0
% of Passed	100	100	100	100	98.33	100	100	100	100	100
Highest Marks Secured	253/300	253/300	4/4	4/4	4/4	84/100	85/100	4/4	4/4	4/4

14.Books & Periodicals :

Total Numbers of Hindi Books in the Library : 1500

15. Details of Student Enrichment Programmes
   A. Seminars and assignments in each semester
   B. Two Internal Examination in each semester

16. Number of Students Receiving Financial Assistance from College, University, Government or Other Agencies
   One student has been availing Central Hindi Scholarship

17. Extension Activities
   * A wall Magazine named 'THELICHAM' has been introduced to enhance the literary instincts of the students.

   * Students have been participating in various competitions conducted by literary and cultural institutions all over Kerala and achieving prizes and awards.

18. List of Eminent Visitors of the Department
   1. Dr. P.V. Krishnan Nair, Secretary, Kerala Sangeetha Nataka Academy , former Secretary, Kerala Sahitya Academy and Retd. Professor of Hindi
   2. Dr. Shornur Kartikeyan, Eminent Writer and Retd. HOD of Malayalam, SKVC, Trissur
   3. Eminent writers like U.K.Kumaran, D.Vinayachandran,Vyshakhan etc.

19. Method of Teaching adopted to improve students learning :

Traditional Methods, OHP, Multimedia Projectors, Extension Lectures and Seminars, Remedial Coaching for students with lower academic status, special coaching for B.Com students who haven't studied Hindi in Higher secondary Classes.

20. SWOC Analysis of the Department and Future Plans

   * To start UG and PG programmes in Hindi Language and Literature.

   * To conduct National Seminars in Hindi

   * To start Translation Diploma Course in Hindi

DEPARTMENT OF MALAYALAM

1. Name of the department   : Malayalam

2. Year of Establishment   : 1967

3. Names of Programmes/Courses offered   : Common course in Ist and IInd Sem – B.Com

                                          Ist -IVth Sem – BA/B.Sc

4. Annual/Semester/Choice based credit system (programme wise): CCSS

5. Number of Teaching posts:

	Sanctioned	Filled
Asst.Professors	1	1

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

Sl.no.	Name	Qualification	Designation	Specialization	No.of Years of Experience	No.of Ph.D Students guided for the last 4 years
1.	Ashamol S	M.A,B.Ed, M.Phil.	Asst.Professor	Travelwriting	3 Months	Nil

7. Student Teacher Ratio (Programme Wise) : 1st Sem B.Com. – 29:1

                                    1st sem B.A/B.Sc - 113:1

                                    3rd sem B.A/B.Sc - 143:1

8. Qualifications of teaching faculty with D.Sc/D.Litt/Ph.D/M.Phil/PG   M.Phil – 1

9. Publications:

S.No.	Name of the Book/Journal	Name of the Topic	Year
1.	Research Scholar (Research Journal) (ISSN 2249-6696)	`Naranathubhranthan`- Eaitheehyathinte porulum paripreakshyavum	June 2014
2.	Research Lines (Research Journal) (ISSN 0975-8941)	`Vazhakkula`yum keraleeyanavothanavum	June 2014
3.	Cognitive Discourses (International Multi Disciplinary Journal) (ISSN 2321-1075)	Malayalathile Himalayan Sancharanubhavakhyanam vargheekaranavum parinamacharithravum	July 2014
4.	Aadhunikananthara Kavitha (Book) (ISBN 93-84282-21-9)	Balachandran Chullikkadinte Mappusakshi	November 2014

10. Awards/Recognitions received by faculty and students:

11. List of eminent academicians and scientists/ visitors to the department
    1. Shornur Karthikeyan for the inauguration of 'Thelicham' wall magazine

12. Details of Infrastructural facilities:
    a) Library: 4660 Books, Five Journals

13. Details of students enrichment programmes (special lectures / workshops / seminar) with external
    experts:
    a)Seminars and assignments in each semester.
    b) Two internal examinations in each semester.
14. Teaching methods adopted to improve student learning:
    a) Class room lectures – traditional method.
    b) Peer teaching
15. SWOC analysis of the department and future plans
    a) To start degree programme in Malayalam.
    b) To conduct National Seminar on modernity in Malayalam literature.
    c) To conduct a workshop on theatre performances (a. *natakakalari*)
    d) To conduct demonstration classes on *Thullalprasthanam.*

DEPARTMENT OF SANSKRIT

The Self-evaluation of every department may be provided separately in about 3-4 page, avoiding the repetition of the data.

1.Name of the department : Sanskrit

2.Year of Establishment : 1967

3.Names of Programmes/Couses offered :Common course in Ist to IVth Semester BA/B.Sc

4.Annual/Semester/Choice based credit system (programme wise): CCSS

5.Number of Teaching posts :

Post	Sanctioned	Filled
Asst.Professor	1	1

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

Sl. no	Name	Qualification	Designation	Specialization	No.of Years of Experience	No.of Ph.D Students guided for the last 4 years
1.	Dr.M.M Dhanya	Ph.D,M.Phil, MA	Assistant Professor	Sanskrit General	2 yrs and 7 months	Nil

7.Student Teacher Ratio (Programme Wise) : 1st sem B.A/B.Sc - 48:1

3rd sem B.A/B.Sc - 39:1

8.Qualifications of teaching faculty with D.Sc/D.Litt/Ph.D/M.Phil/PG – Ph.D, M.Phil, PG-1

9.Publications :

S.No.	Name of the Book/Journal	Name of the Topic	Year
1.	Current Trends in Research, Department of Sanskrit, University of Calicut.	"Critical Study of Ravana Vadha"	August 2006
2.	Prof. N.V.P Unithiri Endowment Second All Kerala Oriental conference, Department of Sanskrit, University of Calicut.	"Accompaniments of Lord Krsna"	December 2007
3.	Prof. N.V.P Unithiri Endowment Third All Kerala Oriental conference, Department of Sanskrit, University of Calicut.	"Birds of Kalidasa"	December 2008
4.	Journal Of dbct, Biannual Multidisciplinary Journal, Vol.1(2) Sept.2014 ,ISSN:2348-7984	"The Landscaping of Houses-A study Based on Manusyalayacandrika"	September 2014

10.Awards/Recognitions received by faculty and students : Nill

11.List of eminent academicians and scientists/ visitors to the department
   1.Shornur Karthikeyan for the inauguration of Thelicham wall magazine

12.Details of Infrastructural facilities :
   a) Library

13.Details on students enrichment programmes (special lectures / workshops / seminar) with external
   experts:
    a)Seminars and assignments in each semester.
    b)Two internal examinations in each semester.

14.Teaching methods adopted to improve student learning :
    a)Class room lectures – traditional method.
    b)Peer teaching.

15.SWOC analysis of the department and future plans
    a) To start degree Programme in Sanskrit.
    b) To conduct National Seminar on Yoga theory and practice.
    C) To conduct a workshop on Classical Sanskrit theatres like Kudiyaattam , krishnanaattam etc.
    d) To conduct a workshop on Manuscriptology

DEPARTMENT OF ZOOLOGY

1. Name of the Department   :   Zoology
2. Year of establishment   :   1967
3. Name of programme   :   UG Complementary Course
4. Annual/Semester/Choice based credit system: Choice based credit system
5. Number of Teaching Posts

Post	Sanctioned	Filled
Associate Professor	1	1

6. Faculty profile with Name, Qualification, Designation and Specialization

Name	Qualification	Designation	Specialization	Number of years of experience	Number of Ph.D students guided for the last 4 years
Anandam.O	M.Sc. M.Phil	Associate Professor	Insect Physiology and Biochemistry	31 years	nil

7. Student-Teacher ratio: First Year 32:1, Second Year 35:1
8. Number of Academic support staff and Administrative staff sanctioned and filled: Lab Assistant-1
9. Qualification of teaching faculty with DSc/D.Litt/Ph.D/M.Phil/P.G: M.Phil-1
10. Departmental projects: nil
11. Publications: nil
12. Faculty members in committees
    Anandam.O – IQAC Coordinator

13. Awards/Recognitions received by faculty: Empanelled as subject expert in Zoology under University of Calicut
14. Details of infrastructure:
    Library- Central Library
    Internet facilities- In Botany Laboratory
    Laboratories- 1

15. Details on student enrichment programme: Remedial teaching, assignments and seminars

16. SWOC analysis and future plans:

    S-Dedicated faculty, well-equipped lab

    W-absence of degree course

    O- Higher studies in Zoology

    C-Upgradation of infrastructure

    Future plan- Upgradation of the department with degree course.

DEPARTMENT OF PHYSICAL EDUCATION

1. Name of the department   : PHYSICAL EDUCATION

2. Year of Establishment   : 1967

3. Names of Programmes/Courses of offerd   :

4. Annual/Semester/Choice based credit system (programme wise): CCSS
5. Number of Teaching posts: 1

	Sanctioned	Filled
Asst.Professors	1	1

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

Sl.no.	Name	Qualification	Designation	Specialization	No.of Years of Experience	No.of Ph.D Students guided for the last 4 years
1.	Dr.Bindhu.S	M.P.Ed,M.Phil,Ph.D, P.G Diploma in sports management,P.G Diploma in Yoga education	Asst.Professor	Sports Psychology	2 years	Nil

7. Qualifications of teaching faculty with D.Sc/D.Litt/Ph.D/M.Phil/PG   Ph.D – 1

8. Publications:

S.No.	Name of the Book/Journal	Name of the Topic	Year
1.	Gurujyothi Research and Reflections	`Effect of selected yogasanas on psychological traits of high school girls	2010
2.	Journal of United Progressive Initiative in Teacher Education (JUPITER)	`Role of Yoga in Anxiety Reduction	2013

9. Awards/Recognitions received by faculty and students:
a. Shalin P S represented Calicut University(Power Lifting) and won third place (2007-2008).

b. Girish represented Calicut University (Power Lifting) and won 3rd place (2007-2008).

c. Girish and Shalin represented Kerala State in the Junior National Power Lifting Championship and won Gold and Silver respectively (2007-2008).

d. Sanjith represented Kerala State in Junior National Weight Lifting and won silver medal (2007-2008).

e. Bhagesh represented Kerala State and Inter University in Power Lifting. (2008-2009)

f. Shibili participated in Inter University Power Lifting. (2007-2008)

g. Arun and Midhun were members of Thrissur District Football Team.(2009-2010)

h.Abu Tahir was a member of under 19 Junior Kerala Team. (2009-2010)

i. Vishnu P K secured 2nd place in Calicut University Kalaripayattu Competition. (2010-2011)

j. Football team secured third place in both the D Zone and Inter Zone Footall Tournament.(2011-2012)

k. Navas K selected to Kerala State Football Team.(2011-2012)

l. Anil P K secured 3rd place in Inter Collegiate Taekwondo. (2012-2013)

m. College Football Team secured 3rd place in Calicut University D Zone Football Championship.(2012-2013)

10. List of eminent academicians and scientists/ visitors to the department

  1. M.C .Varghese, Former international Athlete inaugurated the sportsmen association of Vyasa.

11. Details of Infrastructural facilities:

    Multipurpose gymnasium, football court, cricket court, volleyball court, handball court, kho-kho court, table tennis, badminton court, yoga and meditation centre.
 The College provides playground facility to the school students and local clubs.

12. Details of students enrichment programmes (special lectures / workshops / seminar) with external

    experts:

   a) Coaching camps conducted for students in various sports events like football, cricket, volleyball, gymnastics, boxing, yoga and power lifting with the guidance of expert coaches.

13. SWOC analysis of the department and future plans

    a) To conduct National Seminar in Physical Culture.

    c) To conduct a workshop on Sports Psychology.

    d) To conduct demonstration classes on Aerobics and Yoga.

Post Accreditation Initiatives

1. Introduction of a new P.G. Course – M.Sc. Mathematics

- Awaiting to introduce M.Com

2. A centralised computer centre

- Free access of internet for staff and students
- Wi-fi facility is available

3. Library facilities have improved

- Books are accessible for students and teachers
- Bar coding of books completed
- Storage area has increased
- There is a separate section for reference
- DELNET facility is now available
- More journals are available
- CCTV has been installed in Library

4. Achievement of Chemistry Department

- Became a research centre
- Has undertaken three major projects and two minor research projects
- Faculty has guideship.
- Has undertaken a project under women scientist scheme

5. There is a central Instrumentation lab

6. High tension transformers and generator facility

7. Maximum UGC assistance secured

8. A planning board has started functioning in the college.

9. The college has secured a scheme for TA and stipend for BPL students.

10. Alumni have become more active. Departmental Alumnies like'Manjari' in Botany and 'Punarjani' in Commerce are very active.

11. The college has established several cells

- Grievance Redressal cell

- Anti Ragging Cell
- Women's Cell
- Financial Literacy Cell
- Career development and counselling Centre.

12. Infrastructural facilities for sports and games have improved a great deal.

- A well equipped gymnasium

- A fully developed football ground and Basketball court.

13. The college has a well maintained common room and toilet facility for women.

14. The college is also conducting remedial coaching for weak learners.

15. Free coaching for outgoing students for bank test has been provided by the college.

16. Two National Seminars and an interdisciplinary seminar were organised.

17. The teaching quality has improved as a result of the recruitment of new teachers, who have more projects and research publications.

18. The college follows choice based credit semester system.

19. There are provisions for open courses.

20. The college is trying its level best to improve the quality of education.

- The college promote the faculty members to participate in workshops conducted by University for restructuring curriculum. Many faculties are members of BOS.

21. The result of outgoing students are exceptional.

- Three first rank with 1000/1000 marks in B.Sc. Mathematics (2000)
- On second rank in B.Sc. Mathematics (2010)
- First rank in B.Sc. Chemistry (2010)

22. Two smart classes and a language lab have been set up.

23. Best practices

- Water harvesting
- Tree plantation
- Ayurvedic camp
- Establishment of a medicinal garden in a school by the NSS students.

- The English Department in the college offers an Add On Course in Advanced Diploma in Communicative English. TEACH is another initiative by the department which aims at familiarising the new methods of teaching and learning English language to School students of the local community. EWE is another programme which aims at imparting communicative English training to the rural women of neighbouring panchayath.
- Organised a health seminar
- Inaugurated a palliative care unit 'Santhwanam'
- Established a vegetable garden by NSS
- Outreach programmes by Dr. K.Vijayalakshmi Amma for disabled children.

DECLARATION BY THE HEAD OF THE INSTITUTION

       I certify that the data included in the 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 out sourced. I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

<div align="right">
Signature of the institution
with seal
</div>

Place
Date: