

# Self Study Report



## NSS College, Cherthala

Track ID:KLCOGN10423

*Submitted to*

**National Assessment and  
Accreditation Council (NAAC)**

March 2017



# SELF STUDY REPORT

*Submitted to*

National Assessment and Accreditation Council  
(NAAC)

*By*



NSS College, Cherthala

K. R. Puram P. O.

Alappuzha (District), Kerala

PIN: 688 541

Track ID:KLCOGN10423

March 2017





Bharathakesari Sri Mannathu Padmanabhan  
(Our Founder)



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## COVERING LETTER



**Principal**

### **N.S.S. COLLEGE, CHERTHALA**

**Affiliated to University of Kerala**

K. R. Puram P. O., Cherthala - 688 541

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No.

Date: 12-05-2017

To,  
The Director  
National Assessment and Accreditation Council  
2/4 Dr. Rajkumar road  
Rajaji Nagar  
Banglore

**Track ID: KLCOGN10423**

Sub: Submission of NAAC Self Study Report (SSR) of NSS College Cherthala

Dear Sir,

Please refer to our outline submission of Letter of Intent (LOI) on 03/05/2017 with **Track ID KLCOGN10423** and the detailed mail communicated to us from NAAC dated 3<sup>rd</sup> May 2017.

Enclosed please find the duly filled Self Study Report (SSR) in five hard copy as well as CD containing soft copy. The said Self Study Report has been also uploaded on the institution website ([www.nsscollegecherthala.ac.in](http://www.nsscollegecherthala.ac.in)) as directed in your above, mentioned mail.

Self Study Report for NSS College Cherthala is hereby submitted for your kind consideration for Institutional Assessment and Accreditation by NAAC through the peer team

Thanking you



Yours faithfully

Dr. P. JAYASREE  
PRINCIPAL  
N.S.S. COLLEGE,  
CHERTHALA.

**"SATVAAT SAMJAYATE JNANAM"**  
( Knowledge arises from the Goodness )



## PREFACE

N.S.S. College, Cherthala is one among the twenty five premier institutions of higher education, established by the Nair Service Society, the leading educational agency and social organization. The founder, the Late Padmabhooshan Mannathu Padmanabhan was a great visionary and social reformer who believed that education is the most effective means of social reforms. The college started functioning as a second grade college in the year 1964. The college started functioning formally as a Junior College with just 350 Students, 16 Teachers and 12 Non-teaching staff members under the first Principal, Prof. N. Govindan Unni. More courses in the Under Graduate and Post Graduate levels were introduced in the successive years and at present with a total of 11 Under Graduate Courses, 3 Post Graduate Programmes. The college is a co-educational institution which gives admission to the aspiring candidates of all the sections of the society through a centralized admission process stipulated by the Kerala University, Thiruvananthapuram, Kerala.

With a total strength of 72 teaching faculty, 80% have research degrees either Ph.D. or M.Phil. and 40 % are with doctorate degree. The student strength of the college is 1479. The college was accredited at B+ level by NAAC in 2003. The suggestions made by NAAC during the first cycle of accreditation have helped a lot in acquiring the present status of the college. The college could not go for the second cycle of Re-accreditation earlier mainly because of the lack of sufficient permanent hands in the various faculties until recently and to an extent because of the transfers of the employees which is enevitable in corporate managements. Although the college heavily suffers due to the insufficient transportation facilities and remoteness of the location, the college feels it as gratifying to overcome the limitations to cater to the needs of the agrarian society often hindered and interlocked by such hazards. The college keeps its tradition and identity in the higher education scenario through its vision “Satvat Samjayathe Jnaanam”- Knowledge arises from Goodness. The college is moving forward with a mission of to provide quality education, build excellence in students and inspire them to be inquisitive, innovative and creative in their mission. Become a centre of initiatives and attain excellence in higher education to cater for local, regional, national and international needs.

Dr. P. Jayasree

Place: Cherthala

Principal

Date: 30/03/2017



## EXECUTIVE SUMMARY

N.S.S. College, Cherthala is one of the premier institutions of higher education managed by Nair Service Society, a leading educational agency and a social organization. The college is a living memorial to the founder acharya of Nair Service Society, Bharata Kesari Padmabhooshan Sree Mannathu Padmanabhan and completed 52 years of effective and efficient existence in 2016. It is a Government-aided, Arts and Science College managed by the N.S.S. Management and is affiliated to the University of Kerala. Being located in a socially, financially and educationally backward area of the state, the institution caters to the educational needs of all sections of the society. Most of the students of this college are the children of fisherman, coir workers, poor dailywage employees. These students are the first grauduates of these families. Thus the college serves as the support for the poor families who are away from the urban facilities.

N.S.S. College, Cherthala is located at a vast expanse of 27 acres. It is equidistant (about 5km) from Cherthala town (by road) and Vaikom town (by 3km on road & 2km on ferry). It is also equidistant (about 30km) from all the three district head quarters of the region, namely Alappuzha, Kottayam and Ernakulam. Cochin International Airport is the nearest airport (60 km).

It is surrounded by some nice tourist places like Kumarakom Bird Sanctuary and Thanneermukkam Saltwater Barrage in the east, Alleppey Backwaters and House-Boating hubs in the south, Arabian Sea shore and Vembanadu Backwaters in the west and the Tourist places of Cochin in the north.

The foundation stone of the college building was laid on 16th April, 1964 by Sri. Parameswara Panicker of nearby Manthanathu family who donated a major share of the 27 acres of the land. With the help of the donations from the local people, a small building was constructed and was inaugurated on 15th July, 1964 by Sri. Kalathil Velayudhan Nair, the President of the NSS at that time. The college started functioning formally as a junior college with just 350 Students, 16 Teachers and 12 Non-teaching staff members under the first Principal, Prof. N. Govindan Unni.

The college was upgraded in 1968 with the introduction of six Under Graduate courses namely B.A (Economics), B.A. (English), B.A. (History), B.Sc. (Maths), B.Sc. (Physics) and B.Sc. (Chemistry). B.Com degree was started in 1980 and B.Sc. (Botany) was started in 1981. The first ever Post Graduate course, M.Sc. (Mathematics) was launched in

1995. M.A. (Economics) and B.A. (Malayalam) were started in 1999. The first ever restructured course, B.Sc. (Environment and Water Management) came in 2001. A new post graduate course M.Com in 2013 and new U G Course B.Sc Zoology was launched in 2014. Presently, the college has 11 UG courses and 3 PG courses. The college is recognized by the University Grants Commission (UGC) and is included under the 2(f) of UGC and is availing the UG and PG grants of UGC. The college conducted 3 add-on courses duly sanctioned by the UGC. The college was accredited by the National Council for Accreditation and Assessment (NAAC) with B+ Grade in 2003. With tremendous potential for further expansion, the college is on a path of progress on a very fast pace.

The 800m long compound wall enclosing 27 acres of plain land filled with sand mounds and flowery laurels, the spacious gate-house in the Info-Park road, the pathway bordered with smiling Allamanda flowers, the portico standing like a janitor to usher you into an ever-fresh world of friendliness and fraternity, the quadrangle fenced with varandah where students in small groups flit and float among the various departments, the three-storeyed Mathematics-Commerce-Economics block, the separate library block with about 37841 books, periodicals and journals, Mini Pine-forest (“Kattadikkavu”), that witnessed several generations of campus friendship, the canteen that provide homely cuisine, the purified drinking-water outlets, a lovely community of 1400 students, 72 teachers, 23 non-teaching staff members and the innumerable old students of the college.

Research being the most potential area of higher education, the college takes maximum care and attention to promote a research culture among the faculty and students. The college has been successful in completing ten minor projects funded by various funding agencies such as UGC, Kerala State Council for Science, Technology and Environment etc in the last five years. The department of Mathematics of the college has availed financial assistance of Rs. 2,30,000/- (Rupees Two lakhs and thirty thousand only) from Kerala State Council for Science, Technology and Environment under Science popularization project scheme.

The college has produced ranks in the University examinations during the past five years. The demand ratio for certain courses is high. The college has programmes for slow learners, advanced learners and differently abled students. Active participation of students from this college in the cultural activities and sports activities in the University level is ensured every year. 12 faculties attended refresher course, 18 attended orientation courses, three attended HRD programmes and five attended staff training conducted by Universities

during last five years. 30% of faculties were invited as resource persons in seminars; 60% of faculty has attended seminars and workshops and 65% of faculty has presented papers in seminars and workshops during the past five years. The faculty published 82 research papers in national and international journals, 7 popular articles three books and four book chapters during the past five years. The college conducts various extension activities with the help of associate departments. The College has a library, auditorium, seminar hall, computer lab and a large play ground. College office is fully automated and library automated with OPAC software.

The college has an efficient IQAC. The college has several students centric and community oriented best practices. The college has to its credit many innovative practices such as PG seminars, Scholar support program, Walk with scholar, add-on programmes, NSS, NCC. The college faculty is well represented in the University bodies as members of Academic Council, Faculty and Board of Studies in the respective years.

Further, the college offers several extension services to the outside community especially in socially relevant matters. Extension activities useful to the rural community are carried out by many departments. In order to run these programmes successfully, the college has established linkages at various levels with regional institutions and schools. In its long history that spans over half a century, the College has been trying to cater to the academic needs of the student community at its best along with the social and cultural warmth spread to the larger world outside. The institution has an impeccable record of providing value based education displaying sensitivity to the changing educational, social and market demands. The college offers quality education by introducing a holistic approach in its academic pursuit. Students are assured maximum exposure through the various co-curricular and extracurricular activities organised by the college. The College and the faculty in fact are very keen in providing quality education by assuring a peaceful, learner friendly, progressive and democratic ambience in fulfilling its noble vision, mission and goal.





## SWOC ANALYSIS

### *Strengths*

- The vision, mission and objectives of our College are framed in clear terms.
- Committed management, faculty and staff for ensuring quality in every aspects of education.
- Very good ambience for teaching, learning and other curricular and extra-curricular activities.
- Curricular, co-curricular and extra-curricular programmes aimed at the holistic development of students.
- An excellent cadre of junior faculty (30 - 40 years in age) with research background ensure the academic future of the college.
- Devoted service of faculty members working as one unit.
- High level of discipline.
- Molding the rural students which are socially and economically backward class.
- Extending higher educational environments and graduating the first generation of this rural population.
- Constructivism approach in teaching learning process (Providing enough chance to students to construct knowledge and the teacher scaffold the entire learning process)
- Mentoring students.
- Involvement of students in creative works.
- Participative learning (Both students and teachers are actively participating in the teaching learning process ie. students centered learning).
- Programs for imparting legal awareness among students.
- Motivates advanced learners to develop skills at a higher level.
- Remedial and peer teaching for slow learners.
- Well equipped IT facility for students.
- Conduct seminar, field study, industrial visit, invited talks etc. to impart commercial knowledge among students.
- Arranging programs for developing communication skills, soft skills, personality development, personal counseling etc.
- Innovating projects among students (All students are undertaking individually participating in the project preparation).
- Periodical assessment of students.
- Self employed students.

- Faculties regularly attending seminars and workshops
- Use of technology in teaching.
- Pre-health and pre-law advising programme.
- Scholarship opportunities and other forms of financial aid.
- Providing placements through campus recruitments.
- Library facilities with sufficient numbers of books and research journals.
- A campus free of political activities.
- Green campus.

### ***Weaknesses***

- Absence of students hostel and staff accommodation facility
- Lack of conveyance facility to reach to college
- Lack of research departments and less PG courses
- Remoteness of the College from cities
- Financial constraints
- Necessity for smart classrooms.
- Poor socio-economic background of students

### ***Opportunities***

- Pro-active Management, committed faculty/staff
- Pleasant climate and exotic scenic beauty
- Opportunities to attract research funding from the Central and State government agencies.
- Arranging special programs (EDP) for motivating students to undertake self employment and risk.
- The college and its location has created an opportunity to reach out and ensure education of socio-economically backward families.
- Tremendous opportunity to bring radical changes in the rural society.
- Starting Research centres
- Starting PG in UG departments to raise the educational status of rural poor in the main stream.
- Starting more student centered programmes like ASAP, SSP, WWS with the aid of government of Kerala.

### ***Challenges***

- Make a mark at the national level in the realm of research with high impact publications, patents and technology transfers.
- Efforts to educate the socially and economically backward students to bring into the main stream.
- Drop out of students.
- As most of the students are coming from financially backward family they are going for part time job to support their family.
- Lack of proper family support and guidance for students.
- To modulate students from lower strata in all aspects to higher strata of society.
- To relieve students from the clutches of distress, alcoholism and other addictions.
- Students of the lower socio-economic strata.
- To give students exposure to state-of-the art ideas and interactions.



## PROFILE OF THE COLLEGE

1. Name and Address of the College:

Name :	<b>NSS College, Cherthala</b>		
Address :	<b>Kochuramapuram Post</b>		
City :	<b>Cherthala</b>	<b>Pin : 688541</b>	<b>State : Kerala</b>
Website :	<b>www.nsscollegecherthala.ac.in</b>		

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. P Jayasree	O: 0478-2813226	9447957205	0478-2815926	cherthalansscollege@gmail.com
IQAC Coordinator/ Steering Committee Coordinator	Dr N. Madhava Menon	O: 0478-2813226	9446545055	0478-2815926	nmnenon61@gmail.com
NAAC Convenor/ Steering Committee Convenor	Dr B. Sreekumar	O: 0478-2813226	9447484068	0478-2815926	bsreekumar62@gmail.com
NAAC Coordinator/ Steering Committee Working Coordinator	Mr Prasanth K.	O: 0478-2813226	9846293463	0478-2815926	naacnsscollegecherthala@gmail.com

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

4. Type of Institution

a. By Gender : **Co-education**  
b. By Shift : **Regular**

5. It is a recognized minority institution? : **No**

6. Sources of funding : **Grant-in-aid**

7. a. Date of establishment of the college : **15-07-1964**

b. University to which the college is affiliated : **University of Kerala**

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	NA	College was established in 1964
ii. 12 (B)	NA	College was established in 1964

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

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

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

**NO**

9. Is the college recognized

a. by UGC as a College with Potential for Excellence (CPE)? **NO**

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

b. for its performance by any other governmental agency? **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.	27 acres
Built up area in sq. mts.	150000 sq. mtrs

(\* 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
- Hostel : Nil
- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise) : Nil
  - Cafeteria

(The college has a canteen within the campus with provisions for tea-time snacks, beverages, light and heavy meals for all the staff and students from 9.00 am to 5.00 pm on all working days.)
- Health centre – : Nil
- Facilities like banking, post office, book shops
 

(For the benefits of students and staff, the college has made linkage with State Bank of Travancore and Punjab National bank, both located near the campus, for banking purposes. Within the college campus, a post office is working to cater the needs of faculty, students and the public.)
- Transport facilities to cater to the needs of students and staff
 

(The college does not have transport facilities of its own. The students resort to public as well as private means of transportation.)
- Animal house : Nil
- Biological waste disposal : Nil
- Generator or other facility for management/regulation of electricity and voltage
 

(There is one heavy duty generator in the college for the management of uninterrupted supply of electricity)
- Solid waste management facility : Nil
- Waste water management : Nil
- Water harvesting : Nil

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

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1.	Under-Graduate	BA English	3 years	+2	English	40	45*
		BA Malayalam	3 years	+2	Malayalam	30	34*
		BA History	3 years	+2	English	50	57*
		BA Economics	3 years	+2	English	50	57*
		BSc Maths	3 years	+2	English	48	47
		BSc Chemistry	3 years	+2	English	32	34*
		BSc Physics	3 years	+2	English	32	29
		BSc Botany	3 years	+2	English	32	34*
		BSc Zoology	3 years	+2	English	32	31
		BSc EVS	3 years	+2	English	24	25*
		B.Com	3 years	+2	English	60	67*
	Post-Graduate	MSc (Maths)	2 years	BSc Maths	English	15	16*
		MA Economics	2 years	B.Sc Economics	English	12	20*



		M.Com	2 years	B.Com	English	15	20*
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\* Additional seats are due to Marginal Increase

13. Does the college offer self-financed Programmes? : **No**

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

Yes	√	No		Number	2
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### **B.Sc Zoology and M.Com**

15. List the departments:

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	Physics	Yes	No	No
	Chemistry	Yes	No	No
	Mathematics	Yes	Yes	No
	Botany	Yes	No	No
	Zoology	Yes	No	No
	EVS	Yes	No	No
Arts	Malayalam	Yes	No	No
	Economics	Yes	Yes	No
	History	Yes	No	No
	English	Yes	No	No
Commerce	B.Com	Yes	Yes	No
Any Other (Specify)	-	-	-	-

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

a. annual system : **0**

- b. semester system :14
- c. trimester system :0

17. Number of Programmes with

- a. Choice Based Credit System : 14
- b. Inter/Multidisciplinary Approach : 0
- c. Any other (specify and provide details) : 0

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

No

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

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 <i>Recruited</i>	0	0	5	6	12	27	15	4	1	0
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	-	-	-	-	-	-	-	-	-	-
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-

\*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.	0	0	0	0	0	0	0
Ph.D.	0	0	3	1	9	10	23
M.Phil.	0	0	5	4	5	12	26
PG	0	0	5	6	12	27	50
Temporary teachers							
Ph.D.	0	0	0	0	0	1	1
M.Phil.	0	0	0	0	0	4	4

PG	0	0	0	0	4	18	22
Part-time teachers							
Ph.D.	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0
PG	0	0	0	0	0	1	1

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

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

Categories	Year 1 (2013)		Year 2 (2014)		Year 3 (2015)		Year 4 (2016)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	25	38	12	22	20	44	23	44
ST	0	0	1	0	0	0	1	1
OBC	81	168	31	90	53	161	43	128
OEC	5	17	4	10	7	32	6	27
General	29	91	118	176	95	125	61	139
Others	2	5	15	38	7	10	10	16

24. Details on students enrollment 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	457	40	0	0	497
Students from other states of India	2	0	0	0	2
NRI students	0	0	0	0	0
Foreign students	0	0	0	0	0
Total	459	40	0	0	499

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

**UG : 10%**  
**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. 38,915**

**(b) excluding the salary component**

**Rs. 2,260**

27. Does the college offer any programme/s in distance education mode (DEP)?  
**No**
28. Provide Teacher-student ratio for each of the programme/course offered  
**1:30 for all the courses**
29. Is the college applying for  
Accreditation: **Cycle 2**
30. Date of accreditation  
Cycle 1: **16/09/2003**      Accreditation Outcome/Result : **B+**  
Cycle 2: **NA**  
Cycle 3: **NA**
31. Number of working days during the last academic year : **194**
32. Number of teaching days during the last academic year : **182**
33. Date of establishment of Internal Quality Assurance Cell (IQAC):  
**01 July 2004**
34. Details regarding submission of Annual Quality Assurance Reports  
(AQAR) to NAAC.  
AQAR (i) – (iv) : **30/03/2017**
35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)  
**Nil**

## CRITERION I: CURRICULAR ASPECTS

### 1.1. Curriculum Planning and Implementation

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

#### Vision

A College of the community for the increase and diffusion of knowledge.

“सत्वात् संजायते ज्ञानम्” (Knowledge arises from the Goodness)- a precept from Bhagavat Gita 14.17

#### Mission

- ❖ To Provide quality education
- ❖ To Build excellence in students and inspire them to be inquisitive, innovative and creative in their mission.
- ❖ Become a centre of initiatives and attain excellence in higher education to cater for local, regional, national and international needs

#### Objectives & goals

- The college is established for providing educational opportunities for the young men and women of our country irrespective of their religion, caste or creed.
- To provide educational facilities for the socially and economically backward sections and bring them to the mainstream of the society
- To reach out to the members of the society who are deprived of formal education, through extension activities

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

The college is being administered by the Principal with the advice and assistance of the college council constituted by the relevant provisions laid down in the University Act and the guidelines issued by the Management. The college takes utmost care and importance in the effective implementation of the curriculum. The implementation of the curriculum is achieved through a three-tier process.

The apex body is the College Council which periodically monitors the activities of curriculum through CLMC and DLMC. Monitoring of the programmes is done at two levels –Department level and College level.

#### *Department Level Monitoring Committee(DLMC)*

Each department has constituted a department level monitoring committee for implementing credit and semester system (Degree program) effectively. The Head of the department, faculty advisor and DLMC convener of each department monitor, coordinate and implement the curricular activities through the class tutors both for Degree programmes and Post Graduate programmes. The committee also monitors the optimal distribution and allocation of syllabus, allotment of assignment and seminar topics of each semester among the faculty and students. The UGC aided add on course and certificate courses are coordinated and implemented by a committee including Head of the Department, Course co-ordinator and co-ordinator of the course concerned.

#### *College Level Monitoring Committee(CLMC)*

A college level committee consisting of the Principal, Heads of all departments, Convener of IQAC, Chairman and Convener of the Reaccreditation Cell constitute the CLMC. The Principal is the chairperson, the responsibility of deploying and over all supervision for the conduct of the program is done by the convener of the CLMC. The IQAC monitors the programmes conducted by the Nature Club, Women Study Unit and the Library and Information Services.

A college level academic calendar is prepared in the beginning of every academic year by the academic audit cell. The calendar of the college is prepared in accordance with University calendar for every semester. It comprises details of instructional hours, schedule for preparation and submission of assignments, presentation of seminars, group discussions, internal examinations and end semester evaluation. Details of social and extension activities included in the third and fourth semester Undergraduate courses are also included in the calendar. Schedule for synopsis presentation, evaluation of research project and presentation are among the action plan for research curriculum of Postgraduate students.

Some of the strategies adopted by the institution for imparting the curriculum at its fullness are:

- Interaction with eminent scholars, professors, scientists and industrialists.

- Institutional visits, study tours, heritage site visits, field work
- Seminars, workshops
- Teaching at nearby institutions, providing demonstration classes at different department labs for school teachers and students at various levels.
- Academic mentoring as part of the Walk With a Scholar programme (WWS)
- The Additional Skill Acquisition programme (ASAP)
- Scholar Support Programme (SSP)

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

***At University Level***

1. During the transition phase of annual scheme to Choice Based Credit and Semester System at Undergraduate level, the University has given ample support to the teachers of the department by means of :
  - Providing resource persons to conduct workshop on Programme structure, grading systems and evaluation reforms.
  - Providing handbooks on rules and regulations of the scheme
  - Providing guidelines for organization of Department Level Monitoring Committee and their functions
  - Providing online access through University portal for all academic correspondences.
2. University conducts periodic meeting of Board of Studies in all subjects ensuring participation of subject teachers from the departments for the purpose of monitoring the present syllabus and for feedback from the subject teachers.
3. Further, University has implemented necessary revisions required in the syllabus with the approval of academic council, which helps in effective translation.

***At Institutional Level***

The College and its management give ample support to the departments and its faculty for effective translation and for enhancing competence in several means:

- The College management support, encourage and permit the needed faculty to participate in Orientation Courses, Refresher courses, Short-term training programmes and Workshops and the college authorities make re-arrangement of class hours of the faculty concerned as and when required.
- The institution provides sufficient teaching and learning aids such as LCD Projector, Computers and network systems including internet facilities for improving teaching practice and effective transactions of curriculum. The research committee of the college has taken initiative to support all the departments to organize regional, state and national level seminars and workshops which provide ample opportunity for its faculty and students to stay abreast of the latest developments in the subject area. Further, the research cell of the college support the faculty of the all departments to carry out research projects in the department, which obviously facilitates the academic stakeholders of the department to develop research-oriented teaching and learning.

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

The faculties are equipped properly for the transaction of the syllabus through workshops, seminars and symposia. The academic calendar of the college is designed to ensure the effective delivery of the curricula. For ensuring the quality of curricular transactions there functions a College Level Monitoring Committee which is a linking body between the departments and the University. The CLMC of the college assist the departments in preparing a framework and action plan for the delivery of curriculum in accordance with the University Academic Calendar, every academic session. The same body has formulated a general time-table for all departments for the smooth running of class hours.

In addition, manpower resource exchange, contextualizing the teaching-learning process to the real life situations, exhibitions, fieldworks, institutional visits and interactions with subject experts are other methods adopted by the institution for effective delivery of the curriculum. Education technology upgradation in the department is being done by the institution in a periodic basis for effective curriculum transactions. As per the requirement, the college provides teaching and learning aids such as LCD Projectors, computers and network systems including internet facilities.



For practical sessions and science laboratories, the purchase committee of the college monitors and ensures regular supply of resource materials such as specimens, chemicals, glasswares, equipment, reference books and journals in a time bound manner. The college arranges field trips for students to visit various ecosystems and research institutes within state and out-of-station visits as it is necessary part of curriculum for final Semester UG and PG programmes of the department.

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

The institution has network with several research bodies for effective operationalization of the curriculum. The college has applied for student research project scheme from Kerala State Council for Science, Technology and Environment and has availed funds for carrying out research at student level in science programmes.

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

Curriculum design is done by duly constituted academic bodies like the academic council, the faculty, the board of studies, etc. The members of the academic bodies are assigned the task of curriculum design and modulation, syllabus updating and revision, policy formulation, etc.

*Details of faculty associated with academic/ administrative bodies at University level for curriculum planning and implementation*

Sl.no.	Name of academic body/committee	Subject/area of operation	Name of faculty	Position held	Name of university	Year
1	PG Board of Studies	Economics	Dr.G.V Raji Prasad	Member	Kerala university	2016-17
2	PG Board of Studies	Economics	Sindhuja M	Member	Kerala university	2016-17
3	PG Board of Studies	Economics	Dr.N Madhavamenon	Member	Kerala university	2016-17
4	PG Board of Studies	Economics	Dr.N Madhavamenon	Member	Kerala university	2015-16
5	PG Board of Studies	Economics	Dr.N Madhavamenon	Member	Kerala university	2014-15
6	PG Board of Studies	Economics	Dr. N Madhava Menon	Member	MG university	2012-15
7	Pass Board(UG)	Economics	Dr. N Madhava Menon	Member	Kerala University	2012-15
8	Pass Board(UG)	Mathematics	T S Sreedevi Amma	Member	Kerala University	2016
9	UG Board of studies	Commerce	A Krishnamma	Member	Kerala University	2012-13
10	PG Board of Studies	Mathematics	N Vijaya Kumari	Member	Kerala University	2012-13
11	External Viva-voce	Mathematics	N Vijayakumari	Chairman	Kerala University	2014
12	Board of Studies	Physical Education	Dr. K Rajeevan	Chairman	Kerala university	2012-16
13	Syllabus Revision(PG)	Mathematics	Dr. K Rejikumar	Member	Kerala university	2016
14	Syllabus Revision(PG)	Mathematics	A G Vijayakumar	Member	Kerala university	2016
15	Syllabus Revision(UG)	Mathematics	A G Vijayakumar	Member	Kerala university	2017
16	Syllabus Revision(UG)	Mathematics	Dr. Dilip Kumar	Member	Kerala university	2017
17	Board Of Studies	Malayalam	Dr. N Renuka	Member	St. Alberts College(Autonomous)	2016-17
18	Academic Council	Chemistry	S Mohandas	Member	Kerala university	2015

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

No

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

The College has developed specific strategies for achieving objectives of the curriculum.

- Primary analysis of the result is made by the DLMC at the respective departments. As a follow up, class PTS meetings are convened to discuss the results and also for framing measures for further improvement.
- The college level analysis of the academic progress is carried out by the College Council and necessary corrective interventions are made to ensure the implementation of academic activities for achieving the objective and goals of the institution..
- Remedial coaching is done for slow learners and under-achievers
- Each department maintains a report of seminars, assignments, social and extension activities, club activities, research projects of students, department level meetings, tutorial hours, parent-teacher meetings, attendance, internal examinations, etc

## **1.2. Academic Flexibility**

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

We send our students on regular basis to attend ASAP training programme which enables the students to acquire communication skills, leadership qualities, technical skills and personality development. It is a career oriented programme which enables them to acquire jobs after the completion of the programme.

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

No. Since the institution is an affiliated college and is not ‘autonomous’, it cannot provide twinning programmes and dual degrees on its own.

***1.2.3. Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development,***

***academic mobility, progression to higher studies and improved potential for employability***

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

Although the parent University has offered a vast range of core options, the college has opted for eleven core courses having duration of six semesters at undergraduate level under Choice Based Credit and Semester System and three courses at postgraduate level under Semester system.

The general structure of a first degree programme comprises 1) Language Courses 2) Foundation Courses 3) Core Courses in the Major subjects related to Degree Programme 4) Complementary Courses on allied subjects 5) Open/Elective Courses and 6) Project. The college provides sufficient and optimum academic flexibility for its students to enrich their skills based on aptitude. A student is free to take any core subject and associated combination of Complementary Courses offered by the College on the basis of eligibility criteria at the time of admission. A student is free to select any open course offered by other departments of the college during 5<sup>th</sup> semester. The College Level Monitoring Committee for CBCSS programmes provide necessary information and directions to student regarding the provisions for core courses, elective courses, open courses and extension activities in an academic session. Further, the department level monitoring committee ensure that students ascertain from the faculty advisor the suitability and usefulness of such Courses to increase the academic potential and opportunity/eligibility for higher studies.

The programmes at the college are enlisted below:

**List of core and complementary courses (UG)**

Sl.No	Main/Core	Complementary/Electives
1.	English	<ul style="list-style-type: none"> <li>• Political Science</li> <li>• History of English</li> </ul>
2.	Botany	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Zoology</li> </ul>
3.	Chemistry	<ul style="list-style-type: none"> <li>• Physics</li> <li>• Mathematics</li> </ul>
4	Environmental science	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Water Analysis</li> </ul>
5.	Mathematics	<ul style="list-style-type: none"> <li>• Statistics</li> <li>• Physics</li> </ul>

6.	Physics	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Mathematics</li> </ul>
7.	Zoology	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Botany</li> </ul>
8.	Malayalam	<ul style="list-style-type: none"> <li>• Sanskrit</li> <li>• Kerala Culture</li> </ul>
9.	Commerce	<ul style="list-style-type: none"> <li>• Income Tax</li> </ul>
10.	Economics	<ul style="list-style-type: none"> <li>• History</li> <li>• Politics</li> </ul>
11.	History	<ul style="list-style-type: none"> <li>• Economics</li> <li>• Politics</li> </ul>

List of core and Electives courses (PG)

Sl.No	Main/Core	Electives
1.	Mathematics	<ul style="list-style-type: none"> <li>• Operations Research</li> <li>• Discrete Mathematics</li> <li>• Analytical Number Theory</li> <li>• Theory of Wavelets</li> </ul>
2	Economics	<ul style="list-style-type: none"> <li>• Agricultural Economics</li> <li>• Industrial Economics</li> </ul>
3.	Commerce	<ul style="list-style-type: none"> <li>• Finance</li> </ul>

Elective courses at UG level and departments concerned:

Sl.No	Elective course	Offering department
1.	Translation Studies	Department of English
2.	Keraleeya Kalakal	Department of Malayalam
3.	Agricultural Economics	Department of Economics
4.	Introduction to Archeology	Department of History
5.	Graph Theory	Department of Mathematics
6.	Electronic Instrumentation	Department of Physics
7.	Polymer Chemistry	Department of Chemistry
8.	Biotechnology & Nano Biotechnology	Department of Botany
9.	Economic Zoology- Vermi Culture & Api Culture	Department of Zoology

10.	Income Tax	Department of Commerce
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Open courses at Undergraduate level and departments concerned:

SL.NO.	Name of the course	Offering department
1.	English for Communication and career	Department of English
2.	Thirakkatha Rachana	Department of Malayalam
3.	Human resource management	Department of Economics
4.	Introduction to archeology	Department of History
5.	Operations research	Department of Mathematics
6.	Astronomy and astrophysics	Department of Physics
7.	Essentials of chemistry	Department of Chemistry
8.	Mushroom cultivation & marketing	Department of Botany
9.	Public health and hygiene	Department of Zoology
10.	Financial accounting	Department of Commerce
11.	Health and fitness education	Department of Physical Education
12.	Solid waste management	Department of Chemistry (for environmental science)

Credit transfer and accumulation facility

Parent University of the college has its own regulations for the credit transfer and accumulation facility for allowing students pursuing a programme in one University to continue their education in another University without break. As per '*the University of Kerala Regulations for the First Degree Programmes under the Choice Based Credit and Semester System (CBCSS) in Affiliated Colleges, 2009*', the Credits acquired for Courses in other universities within the country would be accepted on a reciprocal basis according to University norms. Credit transfer and accumulation system can be adopted in a

Programme. Transfer of Credit consists of acknowledging, recognizing and accepting Credits by the college for programmes or courses completed at another institution.

#### Lateral mobility across programmes and courses

Lateral mobility has been successfully accomplished by the institution across the programmes through offering open courses for providing skill enrichment based on aptitude of different groups of students. Students are encouraged to choose an option outside their parent department to empower them by imparting knowledge on their own interested areas.

#### Enrichment courses

The institution facilitates enrichment programmes for its students, apart from the CBCSS syllabus. the *Walk With a Scholar programme* selects three students from each class for advanced academic mentoring and enrichment.

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

No

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

ASAP is a training programme held in this college in the ambience provided here with well-trained faculty giving training to skill development executives.

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

No

### **1.3. Curriculum Enrichment**

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

In order to integrate institution’s goals and objectives with academic programmes, the college has made its own efforts to supplement the University’s Curriculum. For quality management in teaching, learning and evaluation, the institution Ensure adequacy of teachers according to the required teacher- student ratio.

Formulate academic calendar for individual departments and examination calendar with the help of internal examination committee in the beginning of the year and students are informed.

The academic enrichment programmes like “Walk With a Scholar” (WWS) programme, the ‘Scholar-Support-Programme’ (SSP) and the ‘Additional Skill Acquisition Programme’ (ASAP) are implemented with great vigour. Campus clubs like Quiz Club, Tourism Club, Debate Club, Nature Club, Innovation Club etc. are also instrumental in moulding the students. NSS and NCC also play major roles in shaping the students as mature young men and women ready for nation building.

The college conducts an internal examination for each class every semester in addition to assignments and seminars for the purpose of continuous evaluation.

*For empowering students, various strategies adopted by the college are as follows:*

Every class is placed under the supervision of a faculty advisor who arranges periodic meetings. Students discuss academic and other campus merits and demerits with the faculty advisor. Parent Teacher Association arranges meetings of teachers with parents and their wards twice in a year. The association also supports the institution in the form of recommendations and suggestions for the quality improvement and financial assistance for quality enhancement.

***1.3.2. What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to the needs of the dynamic employment market?***

The curriculum provided by the University is supplemented and enriched with certain other programmes formulated by the college. Professional skill development among student community has been a key component of the curriculum of this college. To meet this requirement, the students are also taken for institutional/industrial visits to interact with eminent scholars and industrialists.

*Competency Enhancement:*

At the department level, the teachers take care in providing detailed instructions about each and every additional skill related to the syllabus. The practical classes maintain very high standards, so that the students are equipped to work in any other institution.



From Book to nature:

Department of Botany NSS College Cherthala conducting several activities which aims to conserve the nature with the participation of students.

In front of the Botany department we are maintaining a **Botanical garden** including several rare species plants and plants which are included in the syllabus. It help the students to identify the plants their natural habitats.

Besides the Botanical garden we are also maintaining a **medicinal garden**. It is provided with all local and important medicinal plants like Sida, Adathoda, Clitoria, Tenospora, Neem tree etc. An interesting feature of medicinal garden is the maintenance of Dasapushpa, Thriphala, Thrigadu Thrigandha, Nalpamara etc.

The students of Botany took an effort for the cultivating vegetable crops by **organic farming** methods. The vegetables produced from the campus and those collected from local farmers are exhibited and sold in the program conducted by Botany **Organic Expo 2017**.

As a part of the conservation of Sacredgroves, our students visited nearby Sacredgroves and listed the major plants and planted several wild species to conserve Sacredgroves.

***1.3.3. Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT, etc., into the curriculum.***

- The college has 68% of female students among the community and hence has adopted measures to cater to the diverse needs gender-wise. The Women's Cell in the campus is instrumental in sensitizing the students about gender issues. The curriculum is supplemented with the activities of Women's Studies Unit every year for empowering the women students and faculty in terms of integrating gender specific day-to-day issues to the academic programmes of the institution. The college NCC also specially empowers the girl students in social leadership, physical fitness and positive approach to adventure.
- The management of the college envisages converting the campus into a green campus by making substantial efforts in that front. At the college level, the departments of Botany, Zoology and Environmental Science take initiatives for these activities. Throughout the year, the NSS undertakes various activities to maintain the campus clean and eco-friendly. *Nature Club* conducts various programmes to inculcate

interest for the love of nature. Students are made conscious of the various ways in which they can preserve the ecosystem with a vision that present generation is the custodian of nature. The college takes initiative in organizing regional, state and national level seminars and workshops on topics related to climate change and environmental issues.

- All the Post Graduate and undergraduate students are exposed to Information Communication Technology (ICT) in carrying out their academic activities. Every department is provided with computer and internet connectivity. Online resources including Computer Generated Imagery, Educational Animations, e-books and customized power point presentations are regularly used to enhance quality of teaching. Under Graduate students are also given training in computer applications by the computer club of the college, thus to integrate ICT into the curriculum
- The Human Rights and Ethics Committee aims to create awareness about the human rights as envisaged by the UNO to the students. It also reminds the students about their duties to the society. The committee has organized a one day training program to provide awareness on human rights to the students .

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

##### Moral and ethical values:

- New comers in degree courses are given one day orientation class. The most important objective of these programmes is to emphasize the importance of moral values and ethical standards to be maintained by a socially committed graduate.
- Awareness classes on drug abuse, cyber-crimes, gender equality, legal supports, life guidance etc. are organized.

##### Employable and life skills

Professional skill development among student community has been a key component of the curriculum of this college for years. The conventional courses offered by the college are changed to something more important, useful and more relevant to given needs. The otherwise common curriculum is enriched by supplementary components which are pursued parallelly through horizontal mobility. This is a strategy to widen the skill base of undergraduates by making it obligatory for them to choose a course of their choice.

#### Better career options

The placement and career guidance cell of the college has ever been keen in organizing activities related to career guidance. Conduct of seminars and workshops related to various employment skills in collaboration with various job-offering companies has been among the activities of the cell for exposing students to better career options.

#### Community orientation

The college has taken initiative in formulating, designing and planning of several social and extension activities for students. National Cadet Corps (NCC) in the college plays a credible role in shaping the character of students by instilling the values of patriotism, service, discipline and hard work. Cadets enrolled were given institutional training and can participate in adventure activities, community development programmes, various national level and annual training camps; youth exchange programmes, sports and cultural activities etc. Camps and social services conducted by the National Service Scheme(NSS) helps in inculcating community orientation. Discussion and lectures on social issues form part of the camp in addition to social work.

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

- Feedback from teachers and students are helpful to rectify the shortcomings of the curriculum.
- Feedback from the students reflected the need of ICT enablement among them. The college ensured availability of sufficient number of computers and networking facility. Exposure of faculty to new and interdisciplinary programmes like seminars, workshops, refresher/orientation course enable them to enrich themselves with novel ideas on higher education. Discussions at department level generate suggestions for curriculum enrichment.
- Feedback from teachers regarding the new credit and semester system reflected the need for awareness on grading system.
- Feedback from teachers reflected the need of research orientation among the faculty. The college encourages and follows the protocol for sending faculty to UGC-aided Faculty Development Programmes. Encourage and follow the protocol for sending teachers under Faculty Improvement Programme leading to Ph.D. Evaluation and monitoring of ongoing research works in the approved research centre.

- Feedbacks from parents, during PTA meetings and at the time of admission, are also considered before planning the yearly classes at the college council level. Feedbacks, during one-to-one interactions with the faculty, from the employers like banks (managers or interviewers visiting the campus), Scientists etc. are taken into consideration prior to the planning of the academic activities in the departments every year.

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

The college has formulated a course evaluation feedback system which is regularly done at the end of the academic session using a feedback proforma. Using the feedback from the students and through assessment procedures including written examination and practical skills, the institution ensures the quality of enrichment programmes.

## **1.4. Feedback System**

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

Curriculum design is done by duly constituted academic bodies like the academic council, the faculty, the board of studies, etc. The members of the academic bodies are assigned the task of curriculum design and modulation, syllabus updating and revision, policy formulation, etc. At the University level, workshops on syllabus up gradation and framing are conducted periodically. The teachers from the college take part in this process. Some of the faculty members of the college have been participating in curriculum designing bodies for the last five years.

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

- Yes, we have a student feedback system.
- The institution adopts a feedback mechanism by administering a questionnaire among outgoing students.
- Other serious suggestions of the students are addressed in the department meetings. The relevant suggestions, if any, are also made known to the members of the respective Boards of Studies.

- Personal feedback from the parents is gathered by the respective teachers and communicated to HoDs.
- Feedbacks from other stakeholders are also collected by the respective committees or the teachers and are discussed in the staff meetings/ college council

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

Two new courses were introduced in the college in the last four years. One is BSc Zoology and the other is MCom. The college is located in a rural area with limited facilities for higher studies. For effective utilisation of the infrastructural facilities and to address the problem of inadequate opportunities for higher education, especially for the socially and economically backward students, we are trying to get sanctioned more PG and UG courses and to enhance research facilities.



## CRITERION II:

### TEACHING-LEARNING AND EVALUATION

#### 2.1. Student Enrollment and Profile

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

The admission process has been made into a computerized single-window mechanism by the university. So the individual affiliated colleges are simply required to follow the allotment list prepared by University. This by design has made the admission process completely transparent and efficient.

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

We follow the merit-based online procedure of the University of Kerala and Government of Kerala, and strictly adhere to the reservation rules of the government by which the candidates are ranked on the basis of the score in the qualifying examination and admission is made from the rank list. Seats available in the college are mainly classified as Merit Seats, Community Seats, Management Seats and Reservation Seats.

- (a) Merit Seats (50% of total seats): Merit seats are filled by the University through online centralized allotment process purely on merit basis
- (b) Reserved seats for SC/ST, Minority and Socially Backward communities, Sports quota and persons with disabilities (20%): These seats are filled by University and college management.
- (c) Community Seats (10%): These seats are filled by the college management and university on the basis of merit among the community candidates.
- (d) Management Seats (20%) : These seats are filled by the Management of the college.

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

Discipline offered	% of Marks in Entry Level			
	NSS College Cherthala		SN College Cherthala	
	Highest %	Lowest %	Highest %	Lowest %
B.A English	92.3	62	NA	NA
B.A Malayalam	71.1	49.9	91	48
B.A. Economics	84.6	61.08	92.7	44
BA History	87.5	47	85	48
B.Sc Mathematics	95.4	54.8	NA	NA

B.Sc Physics	94	53.4	91.2	56
B.Sc Chemistry	94.8	62.5	92	65
B.Sc EVS	92	54	NA	NA
B.Sc Zoology	93.5	49.3	87	60
B.Sc Botany	89.6	62.06	93	60
B. Com	94.5	59.3	94	54
MA Economics	68.25	59.92	75	53
M.Sc Mathematics	90.17	67.25	NA	NA
M.Com	89.5	50.3	NA	NA

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

The college follows the Merit Centralized Admission. At the same time it takes care to assess the admission process and the student profile annually. The records kept in the college office provide detailed information about the students and thereby help to frame an analytical study. Each department maintains this student profile and updates it annually. The details include:

- Academic background
- Co-curricular and Extra-curricular activities
- Socio-economic background
- Levels of disability
- Gender representation

The review of the admission process and the subsequent analysis of the student profile help in providing equal representation from all sections of the society. This also helps the college to provide additional assistance to the weaker sections of the society.

**2.1.5. Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion**

**a) SC/ST**

As per the Government rules 20% of the seats are reserved for the SC/ST, Minority and the socially backward communities and are also exempted from the remittance of fee. Majority of the students hail from the weaker sections of the Alappuzha. All the scholarships and grants issued by the state government (like lump sum) are properly distributed among the deserved students.

**b) Women**

Women constitute more than 65% of the student strength. A Women's Cell is also functioning in the college.



**c) Differently- abled**

As per the university norms 1% of seats is reserved for differently- abled

**d) Economically weaker sections.**

Since the college is situated in remote village of Alappuzha district majority of the students belongs to economically weaker sections. The college departments provide proper information regarding various scholarships and grants for the economically backward students such as KPCR. College PTA gives monetary assistance to deserving students recommended by the concerned department.

**e) Sports personnel**

According to university regulations sports quota seats are reserved for those students who have excelled in sports at the district, state, regional and national level. Missed classes are compensated through special classes.

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

Subject	Year	Number of Applications received	Number of students admitted	Demand ratio
Malayalam	2012-2013	Single Window allotment	34	NA
	2013-2014		31	
	2014-2015		34	
	2015-2016		36	
	2016-2017		34	
English	2012-2013	Single Window allotment	43	NA
	2013-2014		41	
	2014-2015		48	
	2015-2016		51	
	2016-2017		46	
Botany	2012-2013	Single Window allotment	33	NA
	2013-2014		33	
	2014-2015		32	
	2015-2016		34	
	2016-2017		33	
Zoology	2012-2013	Single Window allotment		NA
	2013-2014			
	2014-2015		24	
	2015-2016		36	
	2016-2017		31	
Mathematics (UG)	2012-2013	Single Window allotment	47	NA
	2013-2014		43	
	2014-2015		48	
	2015-2016		55	

## 2.1. Student Enrollment and Profile

	2016-2017		47	
Mathematics (PG)	2012-2013 2013-2014 2014-2015 2015-2016 2016-2017	Single Window allotment	17 12 16 19 16	NA
Commerce (UG)	2012-2013 2013-2014 2014-2015 2015-2016 2016-2017	Single Window allotment	71 72 73 73 67	NA
Commerce (PG)	2012-2013 2013-2014 2014-2015 2015-2016 2016-2017	Single Window allotment	- 15 18 20 17	NA
Economics (UG)	2012-2013 2013-2014 2014-2015 2015-2016 2016-2017	Single Window allotment	61 58 63 63 57	NA
Economics (PG)	2012-2013 2013-2014 2014-2015 2015-2016 2016-2017	Single Window allotment	14 11 10 12 07	NA
Chemistry	2012-2013 2013-2014 2014-2015 2015-2016 2016-2017	Single Window allotment	36 34 33 36 33	NA
Chemistry (EVS)	2012-2013 2013-2014 2014-2015 2015-2016 2016-2017	Single Window allotment	26 24 23 22 25	NA
Physics	2012-2013 2013-2014 2014-2015 2015-2016 2016-2017	Single Window allotment	35 29 35 35 29	NA
History	2012-2013 2013-2014 2014-2015 2015-2016 2016-2017	Single Window allotment	62 58 60 62 57	NA

## 2.2. Catering to Diverse Needs of Students

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

Since the college is situated in a remote area majority of the student community hails from rural background and studied in regional schools. This is identified as a root cause for their incomprehensibility of English and technical aspects like computer. At the time of admission every department takes care to create a rapport between the faculty and students. This helps the teachers to have a clear understanding of students' strength and weaknesses which in turn can help them in their further guidance. Differently abled students are given facility to take examination with the help of scribes. They are also given extra time for examinations as per rules and regulations.

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

Before the commencement of the programme each student is assessed on the basis of his/her academic credentials, achievement in sports and socioeconomic background. Though admissions are made purely on the basis of merit, an assessment of the students' knowledge and skills is conducted immediately after the admission by the respective departments after collecting a detailed bio-data of the students. On the basis of this evaluation, the teachers decide the methodology of teaching to be adopted and the intensity of coaching. At the time of admission, college provides a student Performa to be filled by the students which helps the teachers to have a comprehensive knowledge about the curricular and co- curricular abilities of every student.

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

Monthly class tests are conducted in order to identify slow and advanced learners. Additional classes during off campus hours are arranged to improve their performance. They are encouraged to attend remedial classes till they show significant improvement in performance. The Student Support Programme (SSP) helps to improve the performance of students who need additional support. The Remedial coaching sessions take care to identify the weak academic aspects of students and proper actions are taken to help them in the same.

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

There is an active Women cell that is always vigilant about women issues in and out of the campus. The college gives primary importance to maintain gender equality in the campus. We celebrated International Women's Day in a grand manner. The National Service Scheme of the college galvanizes the students into action on the occasions of importance like the World Environment Day and conducts programmes that imprint the message on their minds. The College has programmes to prevent ragging and harassment of all sorts on the campus. The anti-ragging committee remains vigilant and have successfully kept this menace out. The college calendar and handbook supplied to the students explains ragging as totally banned in the institution. The Nature Club also creates awareness among students regarding environmental protection. Saplings are planted on the campus and in the villages around to disseminate the message of environmental protection.

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

College identifies advanced learners through tutorials, regular class tests, performance in class and participation in the general activities of the college. College has many strategies for the betterment of such students. During off campus hours they are guided for peer teaching and combined study. They are encouraged to prepare and presents assignments and seminars on academic and non-academic topics. Under Walk With a Scholar (WWS) programme, gifted students from every class (up-to three students) are selected and advanced academic mentoring is provided.

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

Academic performance is continuously monitored on the basis of attendance, academic background and performance in internal exams/seminars/assignments. On the basis of the above details Parent-Teacher Meetings are conducted to intimate about their ward's performance and suggests methods of improvement. Feedback from the parents are given due importance. The Student Support Programme (SSP) helps to enhance the progress of slow learners in need of additional support.

## **2.3. Teaching – learning Process**

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

All the important decisions pertaining to important academic matters are taken by the college council without deviating from the general policies of the institution. The academic calendar of the institution is prepared at the commencement of the academic year in conformity with the University calendar. It is ensured that maximum number of working days is made available for the completion of the portions assigned. As the college is affiliated to the University of Kerala, all the teaching, learning and evaluation schedules strictly comply with the University's Academic Calendar. The student's handbook given to every student contains the academic schedules. The institution stipulates dates for class tests and model examinations in each semester and they are announced separately. Dates are fixed for the completion of the preparation of question papers and for the valuation of answer scripts. It is the responsibility of the respective departments to utilize their syllabi for each semester so as to complete the learning process well in advance of the end-semester examinations. Teachers are free to devise their own teaching plans and methods depending on the nature of the topics they handle. Teachers are encouraged to use modern methods especially ICT.

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

It supervises the preparation of year-plan, academic calendar, college calendar etc. Support and guidance given to departments to conduct seminars and other academic activities. It also conducts SWOC analysis of the college and takes necessary steps accordingly. It collects academic suggestions from teacher and student community and takes necessary steps to implement the same.

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

Teaching is no longer considered as a rigid, formal and stereo-typed process of transmitting knowledge, facts and figures. Students are no longer at the receiving end. They are motivated to search, experiment and gather facts and information. The enquiry methods like self-study, field work, assignments and individual projects are learner-centred and hence encouraged by the institution. Audio-visuals and teaching aids are widely used in the departments to enhance student interest and participation. Seminars, symposia, awareness programmes, skit and group discussions involving students provide an added momentum to the learner's development.

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

Expert talks are given on relevant topics to make students alert about the changing tendencies in their subject of study. Students are encouraged to participate in workshops and exhibitions. The institution ensures ample atmosphere for the flourishing of student creativity. Students are encouraged to participate in club activities, departmental fests, association activities, intra and inter collegiate competitions. Study tours are made part of the curriculum to give exposure to students.

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

Instructional materials have been integrated with suitable teaching aids promoting effectiveness of teaching learning process. Though display boards like white board and black boards are widely used in classrooms certain modules are presented in the form of power point presentations to aid easy comprehension and retention. LCD projectors are used by all the main departments of the college. The departments have been equipped with computer and internet connections to promote quality of teaching with a global perspective. The faculty use the internet facility to download relevant study materials and provide them to the students.

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

To keep pace with the recent developments, the faculty as well as the students take recourse to browsing to access sufficient materials on the topics of interest and share them with the entire class. Orientation programmes and refresher courses conducted by the Academic Staff Colleges and other recognized agencies are attended by the teachers. Faculty Development Programmes are fully utilized by the teachers to improve their qualifications and to equip themselves for more efficient disseminations of knowledge. Various departments have conducted seminars, workshops and organised invited talks to keep the students abreast with the latest developments in their subjects. Renowned scientists from reputed universities, research institution and colleges are invited to deliver talks.

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

To provide academic support to students, tutorial hours are arranged which give a suitable platform for students to share their complaints and suggestions. Various cells and clubs are functioning in the college to extent academic support to students. College also

provides various certificate courses which helps them to secure an extra life skill. For providing personal and psycho- social support college has devised mentoring programme which improve the rapport between students and teachers. There are other supporting systems like women cell and counseling cell.

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

Increased use of ICT is a major practice in the teaching-learning approach of faculty in the college. Advantages of visual impact (of seeing and learning) are exploited through the use of LCD projectors, monitors and computer terminals. Seminar series by various departments is another initiative in teaching-learning.

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

The library is well stocked with books, journals, magazines, news papers and other study materials. Individual departmental libraries are available, with books focusing on specific discipline of study.

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

There are many challenges in completing curriculum to be followed within stipulated time schedule. There are many unexpected disruptions due to hartal, and unplanned holidays. College events like seminars, cultural events etc. has to be organized by borrowing time from academic schedule. Faculty improvement programmes like refresher courses, exam duties and valuation duties also affect planned schedule. But the college bring in effective measures to cope with the problem through special classes extra classes and off hour classes.

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

Collective review sections are held at departmental levels under the supervision of HODs to review teachers diary. Off hour duties are assigned to teachers by the department heads to make up for lost time. Student feed backs are collected for review. Teachers have been encouraged to improve their performance by self improvement programmes.

## **2.4. Teacher Quality.**

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



The college is very keen about giving proper encouragement to teachers to increase their potential and competency. The college takes necessary measures to ensure teacher participation in state level/ university level training programmes like orientation/ refresher etc.

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	0	0	0	0	0	0	0
Ph.D.	0	0	3	1	9	10	23
M.Phil.	0	0	5	4	5	12	26
PG	0	0	5	6	12	27	50
Temporary Teachers							
D.Sc./D.Litt.	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	1	1
M.Phil.	0	0	0	0	0	4	4
PG	0	0	0	0	4	18	22

The Governmental policies very often strangle the smooth and prompt appointments of teachers. There is inordinate delay in granting prior sanction for appointments and approval after the appointment. Even when vacancies arise due to retirements, the appointments are not entirely hassle free. On such occasions the management is constrained to be satisfied with guest lecturers appointed on a temporary basis and pay from the funds available with the management and the PTA until the permanent appointments are permitted. Yet it is always ensured that there is no compromise on quality teaching and that there is no dearth of teachers to engage the classes as required in the curriculum of various courses.

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

The college management in accordance with the university norms and approval has recruited new staff members with UGC approved qualifications. Assistance from retired faculties is also sought to bridge the absence of experienced hands.

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

IQAC inform the faculty about the details of quality enhancement programmes available all over India, sponsored by the UGC or other agencies. The teachers are given leave after the class arrangements are made in the Department during his/her absence.



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

The college, from time to time, encourages its teachers to undergo refresher training courses organized by various universities/ staff colleges etc. At institutional level college arranges seminars and workshops to enrich teaching capacity. Duty leaves are provided to attend external seminars/ workshops/ orientation etc. Full support in fetching research assistance and grants from UGC and similar funding agencies are given. The research cell in the college extends its full support and guidance in the submission of major- minor projects and publications. There are expert faculty members with research experience in national level institutions.

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

NIL

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

Yes. Evaluation forms are provided to students and in accordance with it the performance of the teachers is reviewed by concerned HOD and Principal. They recommend necessary improvements.

## **2.5. Evaluation Process and Reforms**

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

Students and faculty are fully informed about the evaluation processes and reforms in order to ensure success and cooperation from their side .Periodical meetings to assess and discuss the evaluation reforms ,outcomes and complaints are held at departmental, institutional and management level

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

The implementation of the Choice Based Credit and Semester System has brought about sweeping changes in the evaluation methods followed by the institution so far. The introduction of Continuous Evaluation (CE) and grading has signaled the end of disparities alleged about the earlier methods of evaluation. As per the new evaluation norms, each

course is done in percentage score and evolves Continuous Evaluation (CE) with a weight of 25% and End-Semester Evaluation (ESE) with a weight of 75%. Grades are also allotted for attendance, assignments and seminars.

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

The institution ensures the proper implementation of the reforms through the Dept. Level Monitoring Committee and the College Level Monitoring Committee. The College Council keeps a tab on all the procedures. The computers and internet access provided in the departments, aid the implementation of reforms. The timetable of the classes is adjusted for the proper conduct of examinations especially for common courses. The internal grade sheets are specially prepared by the institution and supplied to the departments. As attendance has become a component of the evaluation, special measures are taken to monitor the attendance of the students. The tutorial system and the remedial coaching programme prepare the students keeping the new evaluation system in mind.

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

As a part of formative valuation each department undertakes internal and class tests during each semester. Model exams are regularly conducted at the end of each semester by concerned departments. Besides, to ensure feedback from the students teachers ask thought provoking questions during the class times. Viva are conducted at the end of each semester

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

Complete transparency is maintained throughout the internal assessment process. The departments ensures proper conduct of internal examinations and valuation of answer sheets. Assignments are required to be submitted within specified deadlines, and are valued carefully. Attendance, assignments, seminars and performance in the class tests are considered for internal assessment. The grievances of students thereabout are addressed properly.

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

As per the university specifications a minimum of 28% (mark system) and a minimum D grade (grade system) is to be secured by the student. College strictly follows

such marks specifications. The college ensures that the entire teaching learning process leads to higher achievements by its students

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

An effective Grievance redressing cell functions in the college to address genuine grievances or complaints about marking in semester exams, preparation of grades, retesting of papers etc. Decisions are taken on the basis of documents. Grievances at the university have to be taken up by the student with the university authorities as per laid down procedures.

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

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

The college maintains clearly stated learning outcomes for the stake holders to analyze. Overall results are displayed in notice boards from time to time. Internal exam results are displayed in the concerned departmental notice boards. Tutors assess the internal and end semester results and an assessment report is submitted for the consideration of the HOD and the principal.

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

Internal exam marks and semester exam results are the criteria to monitor and analyse the progress and performance of students. The marks and scores are communicated in time with the students and parents and special attention is given for improvement of performance.

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

The curriculum aims at the overall development of students leading to national development. Though lecture method is the conventional instructional strategy, the modern methodology incorporated with technology provides quality education that leads the students towards excellence. The teaching strategy is to impart knowledge in arts, science and technology by incorporating values – moral and ethical. The learning that takes place includes all the skills that contribute to the holistic development of the personality. The evaluation ensures knowledge and awareness of one's own abilities that lead to the choice of a good career.

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

Majority of the students in the college comes from poor socio-economic conditions. Most of the students are become the first degree holders from their family. This would obviously change the face of the society they are part of, which highlights the relevance of courses offered.

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

The college regularly collects and analyses data on student learning outcomes through its continuous evaluation programme comprising of monthly internal tests, assignments, terminal exams and seminar presentations. All the details are recorded in the teacher's diary provided to the faculty at the beginning of each programme. Rectification of students' grievances, if any, are done accordingly. Evaluated answer books are given back to students. It is made sure that the students have sufficient attendance to meet the stipulation of 75% attendance for taking the university examination. Internal marks are recorded and maintained and discussed with parents during PTS meetings.

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

Each department maintains a proper record of the achievements of the passed out students.

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

Evaluation /assessment reports are taken as indicators in the preparation of the teaching plan and setting of learning objectives.

### ***2.6.8. Other relevant information***

The college is situated at a socially and economically backward area, without frequent public transportation facilities, off the town of Cherthala which holds two major arts and science colleges itself. After the introduction of single window allotment mechanism by the University, the preference of applicants given for the college has gone down.

## CRITERION III:

### RESEARCH, CONSULTANCY AND EXTENSION

#### 3.1. Promotion of Research

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

No

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

Yes

- The college has a Research Committee which is a monitoring body that screens and promotes the research activities. It provides necessary help and support to researchers and assists them in finding fund opportunities. It assists in submission of minor and major projects by the faculty members and also promotes interdisciplinary research.

#### Members of Research Committee

NAME	DESIGNATION	POSITION
Dr. N Madhava Menon	Associate Professor	Chairperson
Dr. Geetha G Nair	Assistant Professor	Convenor
Dr. J.M. Raj	Assistant Professor	Member
Dr. N. Renuka	Assistant Professor	Member
Dr. B. Amalakumary	Assistant Professor	Member
Dr. G. V. Raji Prasad	Assistant Professor	Member
Dr. Dilip Kumar	Assistant Professor	Member
Dr. Asha Bharathan	Assistant Professor	Member

#### Some of the recommendations by the committee and its impact

- The College should have more PG programs which will lead to the increase of faculty and student research.
- Teachers should involve in projects and develop research infrastructure using the project funding.
- As the second stage of development, the institution should have approved research department.
- Avail more major and minor projects for the promotion of research endeavors at faculty and department levels.
- A separate block should be constructed for housing research laboratories and other research infrastructure

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

- *Autonomy to the principal investigator*
- *Timely availability or release of resources*
- *Adequate infrastructure and human resources*
- *Time-off, reduced teaching load, special leave etc. to teachers*
- *Support in terms of technology and information needs*
- *Facilitate timely auditing and submission of utilization certificate to the funding authorities*
- *Any other*

The institution provides due priority for the promotion of research and this is evident from the following formal and informal institutional arrangements. The research committee ensures timely availability and release of resources in the college and the institute provides the basic infrastructure. Special leave to teachers is granted to attend project presentation, yearly progress report presentation etc. as per university norms the research committee facilitate timely auditing and submission of utilization certificate to the funding authorities

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

- Information regarding a career in research is disseminated to the students at various stages (for e.g. information about MS-PhD entrances etc.).
- The college regularly conducts national seminars, workshops, invited lecture series etc to impart research aptitude among students.
- The UG and PG students conduct academic in house projects to partially fulfill the requirements of their respective degrees. They are encouraged and inspired by the experienced faculty to carry out project work to familiarize themselves with recent trends in science and technology.
- All research papers from the faculty members of the departments are made available in the departments.
- Departments subscribe standard Indian research journals other than the general subscriptions in the main library.
- Industrial visits and research institution visits are made to familiarize the subject.

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

Name of the Guide	Discipline	Major area of Research
Dr. P. Jayasree	Hindi	Poetry
Dr. N. Madhava Menon	Economics	Traditional Industry
Dr. S. Rajesh	Physics	Non-Linear Dynamics

No. of faculty having major and minor projects:

**Major: 0**

**Minor: 10**

Total no. of part-time PhD teachers in the college: 9

Total no. of full-time PhD teachers in the college: 0

Total no. of teachers on FIP in the college: 1

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

National Seminars/ Workshops

- “An Open Eye to Human Rights”- One day Seminar on Human Rights, funded by National Human Rights Commission (2017)
- "Role and Impact of FDI on Unorganised Sector in India- Policy Alternatives", Two day National Seminar organised by Post Graduate Department of Economics, NSS college, Cherthala and Gandhi Smaraka Grama Seva Kendram, SL Puram, Cherthala, Sponsored by UGC, New Delhi (2014)

State level Seminars/ Workshops

- Seminars conducted on Science Streams as a part of Science Week Celebrations-2017 funded by Kerala State Council for Science Technology Environment (KSCSTE-DST)



- One day Seminar on “Reforms in insurance Sector-whether a boon or bane?” -2015, funded by UGC

College level seminars/sensitization programs

- Vikram Sarabhai Memorial Lecture, organized by the Dept. of Physics, 2016
- Seminar on “Green Fluorescent proteins“ organized by Department of Physics as a part of Photonics-2017
- Seminar on Sardar Vallabhbhai Patel. Organized by the Dept. of History, 2014
- Seminar “Remembering Abdul Kalam”, organized by the Dept. of History, 2015
- Seminar on “Reforms in insurance sector , whether a boon or bane?”, organized by the Department of Commerce, 2015
- Workshop on Contemporary French Theatre, Organized by Department of English, 2016
- Seminar on Number Theory and its Applications, organized by the Department of Mathematics, 2016.
- Seminar on Mathematics and its Applications, organized by the Department of Mathematics, 2017
- Seminar on " Introduction to Analysis", organized by the Department of Mathematics, 2015
- One-day exhibition of a Science Documentary on “Global Warming and its impact on climate”, organized by Department of Zoology, 2014
- One day seminar on “G-Protein signaling in plants & animals” , Jointly organized by Departments of Botany & Zoology, 2016

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

Faculty involved in research and their research areas

Sl.No.	Faculty	Department	Research Areas
1	Dr. P. Jayasree	Hindi	Poetry
2	Dr. N. Madhava Menon	Economics	Corporate social responsibility, Fishing sector
3	Dr. Raji Prasad	Economics	Health Economics
4	Dr. N. Renuka	Malayalam	Music & Culture
5	Dr. K.P. Jayakumar	Malayalam	Film & Media
6	Dr Dilip Kumar	Mathematics	Special functions of Mathematical Physics
8	Dr. Rajesh S.	Physics	Non-Linear Dynamics
9	Dr. J.M. Raj	Physics	Positron Annihilation



10	Dr. Rakhi R.	Physics	Cosmology
11	Dr. Praveen N.K	Chemistry	Natural Products, Medicinal Chemistry
12	Dr. Pramod Kumar N	Botany	Taxonomy & Biodiversity Conservation

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

- Most of the departments periodically conduct Invited lectures, through which the students and teachers had an opportunity to interact with the eminent scientists.
- Short List of eminent academicians and scientists / visitors to the college:
  - Prof Iyyam Pillai, Professor, Dept of Economics, Bharathidasan University
  - Dr S Harikumar, Professor, Dept of Applied Economics, CUSAT
  - Dr Visakha Varma, retired Professor, Panampilly Memorial Government College, Chalakkudy
  - Dr.B.Johnson,. Asso.Prof. and Research Guide, Uty. of Calicut
  - Shri. Justin Padamadan, Clinical Psychologist
  - Prof. K. Geetha, Former HoD, N.S.S.College Cherthala
  - Dr. S. Santhi, Department of Physics, St. Teresa's College, Eranakulam
  - Prof. K.V. MohanKumar, Associate Professor(Former), N.S.S.College Cherthala
  - Dr. K. Murali, HoD, Dept of Economics, Maharajas College Eranakulam
  - Dr.Baiju Ramachandran, President, Indian Chamber of Commerce
  - Dr.L. Usha Kumari , Rtd. Prof. and Vice Principal , SD College, Alappuzha
  - Dr. K. Indulekha, Professor & Head, School of Pure & Applied Physics, M.G. University, Kerala
  - Dr. Manu P. John, Asst. Professor of Physics, U.C. College, Aluva
  - Dr. Brandy M. Sreenilayam, Assistant professor, Department of Chemistry & Biochemistry, The College at Brockport, New York
  - Shri. Kureepuzha Sreekumar, Poet
  - Mukhathala Sreekumar: Senior Programme Executive, AIR
  - Viviane Sortier: French Theatre Artist
  - Suneetha Balakrishnan : Writer and Translator

- Dr.Venu. G Nair, Scientist, Center for Earth Research and Environmental Management (CEREM), Kochi – 36
- Harikumar Mannar, (Environmentalist, Member Kottayam Nature Society).
- Dr M.A.Pathan, Former Chairman, Department of Mathematics, Aligarh Muslim University, Aligarh.
- Dr Sunil C. Mathew, Associate Professor, Department of Mathematics, St.Thomas College, Pala.

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

- Faculty Improvement Programme (FIP)/ Faculty Development Programme (FDP) is a main source from which the faculty of the college benefit.
- The teachers avail themselves of the provision for leave for research and complete the tenure successfully and this is indicative of the strong research culture in the college. The details of the faculty who have availed this facility and their contribution are detailed below:

Sl.No	Name of faculty	Nature of the Research Leave and Duration	Research Contribution
1	Arun S.S.Kumar	FIP- 2011-14	Effect of Yogic practices on selected Psycho-Physiological Variables of obese and diabetic male patients
2	Ram Kumar R	FIP-2011-14	Graph Theory
3	Raji Prasad G.V.	FIP-2012-13	Health Economics
4	B. Sreekumar	FIP 2012-13	Dr. K. Ayyappa Panicker-Vyckthiyum Darshanavum
5	Divya V	FDP-2016-18	Stochastic Modelling

- Teacher doing part-time Ph.D. spent time for their research activities during Onam, Christmas and Summer holidays. As per the management policy, such teachers are not assigned any academic or administrative work during vacation time. They can also utilize the facilities of department as well as general library during this time. Dhannya B Nair, Assistant Professor, Department of History has submitted her PhD thesis by part time research.

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

- Research activities and areas of specialisation of the faculty are made known to the students and other faculty of the college through various means such as Notice boards, Open Discussions etc.
- Not every research in the college is ‘transferrable’ to the land, since most of the science research is of ‘basic science’ kind.
- Research activities of the departments are widely mentioned in social extension programmes.

**3.2 Resource Mobilization for Research**

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

There is no separate head for research other than Major/Minor projects, since the college doesn't possess research centres.

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

No

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

At present, there are no financial provisions available to support student research projects.

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

The research committee of the college commence periodical meeting of the staff interested in research, discusses their fields of research and try to identify fields of mutual interest/interdisciplinary research. Interdisciplinary seminars were conducted as a part of Science Week celebrations in 2017.

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

The research committee will help the staff or students to avail any facility from other departments.

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

- Science departments received Rs. 20000/- from KSCSTE for Science Day Celebrations and seminar in 2017.
- Department of Mathematics received Rs. 2.3 lacs from KSCSTE for Higher Secondary and Under Graduate Interactive Session in Mathematics in 2017.

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

Major Projects

No Major Projects

Minor Projects

Name of Faculty	Duration	Title of the project	Name of the funding agency	Total grant	
				Sanctioned	Received
Dr. V.S. Sheela	2012-13	Spatial Distribution of Contamination Status in a Tropical Estuarine System	UGC	1,30000	1,30000
Dr. Lalu S. Kurup	2012-14	A critical study of Mudrarakshasa-Kadhasaram Kilipattu (Based on Palm leaves Manuscripts)	UGC	60,000	60,000
Dr. Atheena M.N	2013-14	Identity and Integrity- Voices of Different Aesthetic Attitudes- A Study based on Malayalam Translations of Gitanjali	UGC	45,000	45,000
Dr. N. Renuka	2013-14	Fictionality in Literary Historiography- A Study Based on Medieval Malayalam Literature	UGC	35000	35,000
Remya Krishnan	2013-14	An Evaluative Study on the effectiveness of National Rural	UGC	62,500	62,500

		Financial Inclusion Plan (NRFIP) with reference to Alappuzha District in Kerala			
Dhanya B. Nair	2014-15	Role of Aided and Unaided schools in the educational empowerment of rural masses-A case study of Vayalar Grama panchayat	UGC	90,000	60,000
Sudheesh K.M	2014-15	Party Ideologies, Governments and Differences in Policy Making: The case of Public Distribution System in Kerala	UGC	84,000	84,000
Sreelakshmi S.	2015-16	Gender Budgeting and Gram Panchayats: A Case study of Women Component Plan of Gram Panchayats in Thiruvananthapuram District	UGC	22,500	22,500
Sreevidya S.	Ongoing	A study on effectiveness of the risk mitigation mechanisms of Self help Groups in Alappuzha District-	UGC	70,000	45,000
Dr. Raji Prasad	Ongoing	Cost-Benefit Analysis of Hazardous Economic Activities and Natural Resource exploitation: Impacts of local self-	World Bank	3,00000	3,00000
Dr Dilip Kumar	Ongoing	Higher Secondary and UnderGraduate Interactive Sessions in Mathematics	KSCSTE	2,30,000	1,15,000 to receive shortly

### 3.3. Research Facilities

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

The Central Library of college provides fundamental support for research. Internet connectivity is enabled in each departments and teachers and students can access e-platforms and e-journals.

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

Current infrastructural facilities available are utilized to the maximum and any additional requirement is planned judiciously.

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

**NO**

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

All the facilities available in the institution are accessible to the students and research scholars outside the campus / other research laboratories

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

- The college library is primarily intended for UG and PG students. However, it is also used for reference purposes for researchers.
- A library is located in the college campus with more than 2000 books on advanced research in various subjects. Researchers can freely avail these books on working days including Saturdays.
- A separate reference section is available in the college library

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

Since none of the departments possess research centers, there are no collaborative research carried out in the college.

## **3.4. Research Publications and Awards**

***3.4.1 Highlight the major research achievements of the staff and students in terms of Patents obtained and filed (process and product)***

Patents obtained and filed (process and product)

Chakraborty K., **Praveen, N.K.**, Vijayan, K.K., and SydaRao, G. (2010). A process to prepare antioxidant and anti-inflammatory concentrates from brown and red seaweeds and a product thereof (Indian Patent Application No. 2064/CHE/2010 and published on 22/03/13).

Original research contributing to product improvement

**NIL**

Research studies or surveys benefiting the community or improving the services

- The Department of Economics has, over the years, carried out a number of extension activities aiming towards studying various issues faced by the people in the surrounding areas. Various project works were carried out by the students of the department in areas such as water management, waste management, socio-economic issues associated with prominent industries in the locality such as marine products, coir, Khadi etc. The projects have mostly focused on the issues faced by women and backward sections in the locality. The reports containing the suggestions were handled over to the local bodies for further action.
- The graduate students of Environmental Science carry out projects in water and soil analysis. The water quality is tested, every year, by taking samples from nearby places of the area and the results are intimated to the public as well as authorities.

Research inputs contributing to new initiatives and social development

- Dr Dilip Kumar, Department of Mathematics is a reviewer of Mathematical Reviews of American Mathematical Society. He currently reviews 3-4 research papers per year which is an honorary work to the Mathematics Research Community.

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

No, But the Research cell of the college is planning to release a research journal soon which will publish the creative and contributory papers of the faculties in the college.

**3.4.3. Give details of publications by the faculty and students:**

Research articles

- V. Bejoy, S. Rajesh and V. M. Nandakumaran, Analysis and simulation of semiconductor laser dynamics with optoelectronic delay feedback , Turk. J. Phys.39 (2015) 60
- P Sampathkumaran, C Ranganathaiah, J M Raj, S Seetharamu and Kishore, Effect of Erosion behavior on the positron lifetime parameters in Cr-Mn irons of different cast

section thickness, International Journal of Advanced Engineering Applications, 1 (2013) 108-114

- P Ramya, D Meghala, T Pasang, J M Raj, M N Chandrashekhara and C Ranganathaiah, A new insight into interfaces of immiscible binary polymer blends from the free volume approach, Communicated to American Institute of Physics
- D Meghala, P Ramya, T Pasang, J M Raj, C Ranganathaiah and J F Williams, Positron Annihilation lifetime study of interfaces in ternary polymer blends, Communicated to Journal of physics: Conference series
- P Ramya, D Meghala, T Pasang, J M Raj, C Ranganathaiah and J F Williams, Interface profile studies in immiscible and partially miscible binary polymer blends from free volume measurement, Communicated to Journal of physics: Conference series
- Joy, M and Rakhi, R, Primordial non-gaussianity from an anomalous potential, 31st ASI Meeting, ASI Conference Series, 9, p-130 (2013)
- A.Jayakumar, A.S. Jisesh, R. Rakhi, Arulalan T., Saji Mohandas, Gopal R. Iyengar, and E .N. Rajagopal, *Behavior of forecasted convective clouds and precipitation in the high resolution Unified models over the Indian summer monsoon regions*, Journal of Geophysical Research, 2016 (under Review)
- Jayakumar, A; Mamgain, A; Jisesh, A.S; Rakhi, R; Mohandas, Saji and Rajagopal, E.N, Evaluation of NCMRWF unified model vertical cloud structure with CloudSat over the Indian summer monsoon region, SPIE Asia-Pacific Remote Sensing; 05/2016
- Rakhi, R; Jayakumar, A; Sreevathsa, M.N.R and Rajagopal, E.N, Implementaion and Upgrdation of NCUM in Bhaskara HPC, NMRF/TR/03/2016
- George, J.P; Rani, Indira; Jayakumar, A; Mohandas, Saji; Mallik, Swapan; Rakhi, R; Sreevathsa, M.N.R and Rajagopal, E.N, NCUM Data Assimilation System, NMRF/TR/01/2016
- Routray, A; Singh, V; Singh, H; Dutta, D; George, J.P; Rakhi R; Evaluation of Different Versions of NCUM Global Model for Simulation of Track and Intensity of Tropical Cyclones over Bay of Bengal, Dynamics of Atmospheres and Oceans (under Review)
- Vaisakhan Thampi D. S., Prabhakar Rao Padala, Renju U. A., Influence of Aliovalent Cation substitution on structural and electrical properties of  $Gd_2(Zr_{1-x}M_x)_{2O_{7-\delta}}$  (M = Sc, Y) system, RSC Advances, 5, 88675 – 88685 (2015)



- Vaisakhan Thampi, Prabhakar Rao Padala and A. N. Radhakrishnan, Induced Oxygen vacancies and their effect on the Structural and Electrical properties of a Fluorite-type  $\text{CaZrO}_3\text{--Gd}_2\text{Zr}_2\text{O}_7$  system, *New Journal of Chemistry*, 39, 1469–1476 (2015)
- D. S. Vaisakhan Thampi, P. Prabhakar Rao and A. N. Radhakrishnan, Influence of Ce substitution on the Order-to-Disorder Structural Transition, Thermal expansion and Electrical properties in  $\text{Sm}_2\text{Zr}_{2-x}\text{Ce}_x\text{O}_7$  system, *RSC Advances*, 4, 12321–12329 (2014)
- Ushakumari A. Renju, Padala Prabhakar Rao and Divakaran S. Vaisakhan Thampi, Influence of phase transition from order to disorder and Philip's ionicity on the thermal expansion coefficient of pyrochlore type compositions with a multivalent environment, *New Journal of Chemistry*, 41, 245-255 (2017).
- N. Radhakrishnan, P. Prabhakar Rao, S. K. Mahesh, D. S. Vaisakhan Thampi and Peter Koshy, Role of Bond Strength on the Lattice Thermal Expansion and Oxide Ion Conductivity in Quaternary Pyrochlore Solid Solutions, *Inorganic Chemistry*, 51, 2409–2419 (2012)
- Linda T. Francis, P. Prabhakar Rao, Mariyam Thomas, S.K. Mahesh, V.R.Reshmi, Vaisakhan D.S.Thampi, New orange-red emitting phosphor  $\text{La}_3\text{NbO}_7\text{:Eu}^{3+}$  under blue excitation, *Materials Letters*, 81, 142–144 (2012)
- Sreevidhya S, “Postal Life Insurance – a policy with low premium and high bonus” in the ‘ International Journal of Business Intelligence & Innovations’ with ISSN 2348 4705 ,Volume-1, Issue-2 (Oct 2015)
- Kajal Chakraborty, N.K. Praveen, Kodayan Kizekadath Vijayan, Gonugontla Syda Rao (2013) “Evaluation of phenolic contents and antioxidant activities of brown seaweeds belonging to *Turbinaria* spp (division: Phaeophyta, family: Sargassaceae) collected from Gulf of Mannar”. *Asian Pacific Journal of Tropical Biomedicine*, 3(1)8-16
- N.K Praveen, KajalChakraborty (2013) Antioxidant and anti-inflammatory potential of the aqueous extract and polysaccharide fraction from brown marine macroalgae *Padina* sp. From Gulf of Mannar of Peninsular India. *Journal of Coastal Life Medicine*, 1(1) 19-29.
- Kajal Chakraborty, Deepu Joseph, N.K Praveen (2013). Antioxidant activities and phenolic contents of three red seaweeds (Division: Rhodophyta) harvested from the Gulf of Mannar of Peninsular India. *Journal of Food Science and Technology*, DOI 10.1007/s13197-013-1189-2

- K. Reji Kumar, How Does Consciousness Overcome Combinatorial Complexity?, Artificial Intelligence and Evolutionary Algorithms in Engineering Systems, Advances in Intelligent Systems and Computing, L.P. Suresh et al. (eds.), Springer India 2015, 325, DOI 10.1007/978-81-322-2135-7\_19.
- Geetha G Nair, Mazhapeyyunnu maddalam kottunnu- kadammanittayude kaiyoppu-benjamin baily foundation- vol.5, lakkam-3, sep.december 2012.
- Renuka N., Post modern poetry:structure and sensibility-2012-vol05-/no.1-malayalam research journal, CMS college kottayam.
- Renuka N., Carnatakasangeetacharitram-2012-malayalam research journal, S.B college,changanassery.
- Renuka N., Njanapeeda punarvayana,o.n.v.kuruppu-2012- research journal-cluster of colleges-maharaja's college ernakulam.
- Renuka N., A memoir - begum akthar-queen of gazals..2014-april may-keli, The official journal of kerala sangeetha nataka academy.
- K P Jayakumar, Muthuvan: gothra Jeevithavum samskaravum, sahithyalokam. ISSN 2319-3263. August 2015
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- K P Jayakumar, Adthinivesathinte chayapadangal. Malayalam Research journal. Vol-7, No.3, ISSN 0975-1984. December 2014
- K P Jayakumar, Rashtreeya cinemayum Cinemayude Rashtreeyavum Malayalam Research journal. Vol-4, No.1, ISSN 0975-1984
- Atheena M.N., Vaidarbhiyum Vailoppilly Kavithayum) – Kavanakaumudi. Feb-Apr 2013
- Atheena M.N., Manninte Navarasangal Thottarinju, Spice India. Jan 2013.
- Dilip Kumar (2015), Some Aspects of Extended Kinetic Equation, *Axioms*, 4(3), 412-422,[ISSN: 2075-1680].
- Deepa H. Nair and Dilip Kumar (2015), Treatise on generalized Krätzel function, *Vietnam Journal of Mathematics*, 43(1), 23-36 [ISSN: 2305-2228]
- D. Kumar and H.J. Haubold (2014), Analytical results connecting stellar structure parameters and extended reaction rates, *Journal of Astrophysics*, Article ID 656784.[ISSN: 2356-718X]

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- Madhava Menon, “Social Science in Perspective”, Quarterly Journal of C. Achutha Menon Study Centre & Library, Thiruvananthapuram. *Public – Private Partnership in the Health sector in India – Avenues and Challenges*, Vol.4, No.2, April-June 2012.
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- Rajendran Nair and N. Madhava Menon, Public-Private partnership in the Health sector in India- Avenues & Challenges, Social science in perspective- Quarterly Journal, TUH, Vol.4, No.2, April-June (2012)
- Madhava Menon, Financial inclusions and banking innovations with special reference to MUDRA bank, Kerala Private College Teacher- A monthly journal of the AKPCTA (ISSN 2454-4795), 2016

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- Vaisakhan Thampi, An article on extra-terrestrial life, Thairu Children's Magazine, May 2014
- Vaisakhan Thampi, Article on God Particle, Asianet News web portal, October 2013
- Vaisakhan Thampi, Magnus effect, Malayala Manorama Daily, January 2017
- Dilip Kumar, Recent contributions from CMSS, CMSS Newsletter, **16** (2), 19-20, 2013.
- Dilip Kumar, Career prospects of research in Mathematics (ways and means), CMS Newsletter, 15 (1), 6-9, 2012.
- Dilip Kumar, Kanakku Kootti Kayaram (in Malayalam), Malayala Manorama (Career Guru), January 17, p.p 13, 2012.

Text book published

1. Renuka. N: SOOCHAKANGALUDE THARAPADHAM-2005-POST MODERN CRITICISM IN MALAYALAM-KAIRALI BOOKS, KANNUR.
2. Renuka. N STREENATYAKALA NANGIARKOOTHU-CLASSICAL THEATRE-2011-KERALA BHASHA INSTITUTE..TVM
3. Renuka. N, BEATLES: DAIVATHODULLA KALAHANGAL-2013-FABIAN BOOKS
4. Renuka. N, THUKKARAM-INDIAN SPIRITUALITY-UNDER PRINTING
5. Jayakumar K P. Cast system and Malayalm film(Film Study). Olive Books. Kozhikode. 2014, ISBN 978-93-83756-69-8
6. Jayakumar K P, The Body Markings of Memory: The ways of presenting Revolutionary Past in Malayalam Cinema –Study.(Film Study) Mathrubhumi Books. Kozhikode. 2011, ISBN 978-81-8265-075-6
7. Jayakumar K P, The Way to the Forest (Novel). D.C Books. Kottayam. 2011, ISBN 978-81-264-3240-0

Chapters in books:

NIL

**3.4.4 Provide details (if any) of □ research awards received by the faculty, recognition received by the faculty from reputed professional bodies and agencies nationally and internationally, incentives given to faculty for receiving state, national and international recognitions for research contributions.**

- Dr. Dilip Kumar of Dept. of Mathematics got Young Scientist Award for the year 2012 in the Mathematical Sciences section of the Indian Science Congress Association.

- Dr. Dilip Kumar of Dept. of Mathematics is an Affiliate Member of American Mathematical Society from January 2015.
- Dr. Dilip Kumar of Dept. of Mathematics is an Affiliate Member of London Mathematical Society from November 2015.
- Dr. Dilip Kumar of Dept. of Mathematics is included in the list of World Mathematicians of the Mathematical Genealogy Project of AMS from January 2015.
- Dr. Dilip Kumar of Dept. of Mathematics is an Associate Member of Committee on Space Research from July 2008.
- Dr R. Rakhi of Department of Physics is an Associate Member of the Astronomical Society of India.

### 3.5. Consultancy

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

The institution collaborate with the industry for the purpose of visits, study tours, fieldworks, research etc. For that, the institute invites resource persons from the industries, as experts and guest speakers, to interact with the students.

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

The institute offers free consultancy to the faculty and students from the other colleges. Also we offer free consultancy to the general public in waste water management, domestic waste management, drinking water analysis etc. The available expertise is publicized through our students.

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

The research cell as well as NSS units act as an interface between the industries and NGOs, and according to their requirements, ask teachers to render their consultancy services.

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

N/A

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

The institute offers free consultancy.

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

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

The NSS unit, the NCC unit and various departments involve students in a number of social service activities. These activities not only sensitize and make students aware of societal needs and issues, but they also help the local community in turn. Thus, we successfully promote institution-neighbourhood-community network. Some of these activities are mentioned below:

Sl.No.	Departments/Units	Programmes/Activity Details
1	NCC	Road Safety and Rules Awareness Class
2	NSS/NCC	Blood Donation, Eye Testing Camps
3	NSS	Health Awareness camps for girls
4	NSS	Cleaning of ponds, Planting of trees
5	Department of Chemistry	Water & Soil Analysis
6.	Department of Mathematics & Physics	Science Popularization
7.	Department of Malayalam	Books are supplied to rural library
8.	Department of Economics	An awareness class is conducted for the preparation of family budget to the Aganvadi and Ayalkootam in Pallippuram Grama Panchayat
9.	Department of Botany	Organic Farming, conservation of Sacredgroves

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

- The activities of NCC and NSS volunteers and members of other clubs are monitored by the respective programme officers. Their progression is tracked and certain indicators like, commitment, punctuality, attendance and leadership traits of the volunteers are closely monitored for choosing excellent members. Extraordinary students are recommended for attending regional and national camps. The university awards marks for participation in the NSS and NCC activities. Students write and submit a report after the NSS Special Camp which also includes feedback on the experts invited to conduct the various sessions during the camp.

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

- Various departments organise field visits; teachers accompany the students to oversee the visits; at the end of every visit, students submit a report about the visit. The students of Botany took an effort for the cultivating vegetable crops by organic farming methods. The vegetables produced from the campus and those collected from local farmers are exhibited and sold in the program conducted by Botany Organic Expo 2017. As a part of the conservation of Sacredgroves, the students visited nearby Sacredgroves and listed the major plants and planted several wild species to conserve Sacredgroves. Department of Mathematics conducts inter-school quiz competitions every year. In 2017, the department of Mathematics is conducting Science popularization program for higher secondary schools and undergraduate students in Kerala with the assistance from KSCSTE.
- The values of democratic processes are also imparted through the College Students' Union.

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

- Students evaluate the performance and quality of teachers with the help of Teacher Assessment Questionnaires. A Suggestion Survey, conducted once a year, also gives us an idea about the student's perceptions about the institution.
- The college also seeks the opinion of the parents regarding the performance and the quality of the institution, during PTA meetings.

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

The NSS/NCC units of the college guide the students in framing its multi-level social extension and community service programmes. The NSS units and individual faculty of the college advises on some important areas for extension and service activities by the students such as cyber crimes, drug abuse, gender discrimination etc.

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

- The institution ensures active involvement of students and faculty in various extension activities by promoting a conducive atmosphere in the campus. This is made possible as a result of the thrust given in the orientation programme for newly admitted students every year and motivation through interaction with the



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

eminent people like Prof. Tomi Cherian (Rtd. Vice-Principal, St. Thomas College, Pala), Dr. J. Prameela Devi (Member, Women's Commission etc.

- Every year NSS volunteers are sent to the Annual national training camps

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

##### Extension work

- Providing palliative care in association with pallipuram grama panchayat and primary health centres.
- Constructed a house in Pallipuram grama Panchayat (2015) for financially backward family.
- De-addiction awareness camps are organized in association with the Excise department
- NSS units of this college conducted Eye camps in association with Rotary Club, Cherthala, First Aid training camps, Blood donation camps
- Department of Malayalam conducts book donation programme for the rural libraries also promote social interaction and rekindle reading habits among the community.
- Cleaning of campus and selected areas under Thycattusserry block panchayat in association with Kerala State Suchithwa Mission
- NSS volunteers interact with old age people in association with Vayomithram - Kerala Social Security Mission, Cherthala

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

The rich and varied personal experiences by direct engagement in extension activities enrich students in their character formation. They also benefit academically by the lessons from the field. Through NSS and NCC, students learn valuable lessons on social responsibilities as well as nationalism. This provides enriching experiences to students and helps in developing moral and ethical values. They learn skills of organization and time management. This has definitely helped students in developing confidence and leadership skills.



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

All the extension activities of the college are taken up with the full cooperation and the active involvement of the community to which they are intended to. Examples are:

- Department of Mathematics of our college conduct inter-school quiz competition
- The exhibition cum demonstration programme of laboratories and experiments are organized for school students by the Departments of Zoology as a part of Science Week Celebrations (2017).
- Department of Malayalam conducts book donation programme for the rural libraries also promote social interaction and rekindle reading habits among the community.
- Mrs. Sudha Rajasekharan of the Department of History conduct classes on stress management and De-addiction in association with the Art of Living project
- Students interact with old age people in association with Vayomithram - Kerala Social Security Mission, Cherthala
- Women's awareness program in conducted in association with Kinder Hospital, Cherthala
- Cancer Awareness Programme conducted by Nisha Jose (Wife of Member of Parliament, Kottayam).
- Health Awareness Programme by Dr. Karthika R. Nair

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

- The college seeks the help of other institutions or government departments in its outreach and extension activities. Examples include: Cleaning of campus and selected areas under Thycattusserry block panchayat in association with Kerala State Suchithwa Mission, Interaction with old age people in association with Vayomithram - Kerala Social Security Mission, Cherthala

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

Awards & Recognitions

- Two students participated in National Republic Day Parade in the year 2014

- The NSS unit of our college has received the Best programme Officer award for the year 2015-16
- Every year NSS volunteers are sent to the Annual national training camps
- The NSS unit of our college has got the award for the best unit in Kerala University (2015)
- One student from the Department of Botany got selection in Indian cricket team (20-20) and is selected for Srilankan & Dubai visit

#### Contributions to the social/community development

1. The NCC cadets of our college is regularly conducting Road safety & rules awareness classes to the general public
2. Students of the college actively participate in Blood Donation campaigns and their names are included in Blood Bank

### 3.7. Collaboration

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

Some faculties of the college are having personal research collaborations with National and International researchers. For example, Dr Dilip Kumar, Department of Mathematics is having research collaboration with Professor Hans J Haubold, Chief Scientist, United Nations Office of Outer Space Affairs, Vienna Austria and is continuing his collaboration. He also have collaboration with Professor M.A. Pathan, Former Chairman, Aligarh Muslim University, Aligarh. A joint paper with him is in progress. As a result of his collaboration Professor Pathan has visited NSS College, Cherthala and have delivered a lecture to the students of Mathematics and interacted with the staff and students of the department.

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

Currently no MoUs were signed but the college is expecting research collaborative arrangements in the near future.

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

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

Many collaborations have just started and hence these interactions have not yet contributed to the establishment/ creation or up-gradation of academic facilities. The college expects that these collaborations will contribute and extend support in the near future.

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

Sl. No.	Names of eminent scientists/participants	Conferences / workshops /Seminars
1	Dr. K. Indulekha, Professor & Head, School of Pure and Applied Physics, M.G. University, Kerala	Vikram Sarabhai Memorial Lectures (2016)
2	Hon. P. Mohanadas, Acting Chairperson, Kerala State Human Rights Commission	“An Open Eye to Human Rights”- One day Seminar on Human Rights, funded by National Human Rights Commission (2017)
3	Adv. S. Subhash Chand, High Court of Kerala	
4	Adv. S. Subhash Chand, High Court of Kerala	
5	Adv. S. Subhash Chand, High Court of Kerala	
6	Dr. C.M. Joy, Environmentalist	One day seminar on “Sustainable development”
7	Prof.K. Gireesh Kumar, Head, Department of Chemistry, CUSAT	Science Week Celebrations
8	Dr. S. Santhi, Department of Physics, St. Teresa’s College, Eranakulam	Photonica 2017
9	Prof. S. Iyyampillai, Professor of Economics & Chariman, The School of Economics & Commerce, Bharathidasan University, Trichy	Two day National Seminar on "Role and Impact of FDI on Unorganised Sector in India- Policy Alternatives" (2014)
10	Dr. G. Karunankaran Pillai, Former HoD, Department of Economics, University of Kerala & Professor Emeritus, UGC	
11	Prof. S. Harikumar, Professor, School of Applied Economics, CUSAT	
12	Prof. P.S. Mohanakumar, DC School of Management, Trivandrum	

13	Prof. K.N. Devadas, Chairman, Gandhi Smaraka Grama Seva Kendram, Cherthala south sub center	
14	Dr. M.A. Pathan, Professor & Former Chairman, Aligarh Muslim University, Aligarh	One day Seminar on “Mathematics & its Applications”
15	Prof. K. Papputty, Former Director, State Institute of Encyclopedic Publications	Science week-2017 Celebrations
16	Dr. Sunil C. Mathew, Associate Professor, St. Thomas College, Pala	One day Seminar on Number Theory and its applications
17	Dr. A. Vijayakumar, Head, Department of Mathematics, CUSAT	One day Seminar on Introduction to analysis and applications of Mathematics
18	Dr. P.V. Vinod Kumar, Rajagiri School of Engineering and technology	
19	Viviane Sortier, Theatre Artist	One day workshop on Contemporary French Theatre on 31st August, 2016
20	Dr. Venu G. Nair, Scientist, Center for Earth Research and Environment Management, Kochi,	One day exhibition of a Science Documentary on “Global Warming and its impact on climate”, 2014
21	Prof. P. Balachandran, Actor & Writer	60 <sup>th</sup> Anniversary of Kerala State formation Lecture Series
22	Chunakkara Ramankutty	Literary talk
23	Dr. Vidhu Narayanan, Assistant Professor, U.C.College, Aluva	One day seminar on informatics
24	Dr. N. Ajayakumar, Associate Professor, Sree Sankara College, Kalady	One day seminar on Modern poetry in Malayalam
25	Kureepuzha Sreekumar, Famous Malayalam Poet	One day Seminar On History of Malayalam poetry
26	Dr. Brandy M. Sreenilayam, Assistant Professor, Department of Chemistry & Biochemistry, The College at Brockport, New York.	One day seminar on “G-Protein signaling in plants & animals”, 2016
27	Dr.P.S Easa, Former Director, Kerala Forest Research Institute, KFRI, Peechi	Science Week Celebrations-2017
28	Dr. J. Latha, Vice-Chancellor, CUSAT	One day seminar on “Reforms in insurance Sector-whether a boon or bane?” 2015
29	Vijayakumar IRS, Insurance Ombudsman	One day seminar on “Reforms in insurance Sector-whether a boon or

		bane?" 2015
30	Dr. Indira Rajan, President, CBSE Schools Association	One day seminar on "Remembering A.P.J. Abdul Kalam" 2015

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

**a) Curriculum development/enrichment**

Curriculum design is done by duly constituted academic bodies like the academic council, the faculty, the board of studies, etc. The members of the academic bodies are assigned the task of curriculum design and modulation, syllabus updating and revision, policy formulation, etc. Many faculty members of the college have been part of such official academic bodies.

**b) Internship/ On-the-job training**

No linkage or collaborations have established yet for internship/ On the job training. The ED club of the college has organized few seminars in collaboration with some insurance companies. They regularly organize industrial visit also.

**c) Summer placement**

No linkage or collaborations have established yet for summer placements.

**d) Faculty exchange and professional development**

Many of the faculties of NSS College, Cherthala are resource persons for various programmes like Seminars, Workshops and Association Meetings of many colleges in Kerala. Many faculties of nearby colleges visit NSS College for various programmes. A formal MoU has not been signed in this regard.

**e) Research**

50% of the faculties are Ph.D. degree holders. A good number of PhD holders have collaborations with researchers in other institutes. Many of them visit our college for seminars and lectures.

**f) Consultancy**

Since the college is situated in rural area, local people used to consult the faculties of the college for career guidance and counseling. Other Consultancies like research consultancy and industrial consultancy has not yet established.

**g) Extension**

The various departments of the college has been rendering extension activities. For example, the Department of Mathematics conducts Inter-School Mathematics Quiz Competitions every year. In this program, many schools in Cherthala and Alappuzha district regularly participate. Similarly many schools take part in the science quiz competitions held as part of the science day celebration. Thus even though there is no MoU signed, the extension activites have active participation of nearby schools and colleges.

#### ***h) Publication***

Research publication is the major area where the collaborations are active. This is evident from the number of publications by faculty members with external collaboration. Many faculty members are having agreements with various journals and societies for refereeing and reviewing works which is done purely as a honorary work. For example, Dr Dilip Kumar, Department of Mathematics is a reviewer of American Mathematical Society.

#### ***i) Student Placement***

At present there is no MoU or Agreement between any companies for students placement. But many companies and banks come to the Campus for recruitments. For example, The coming April, a company has agreed to conduct campus placement.

#### ***j) Twinning programmes***

Being an affiliated institution of Kerala University such type of programmes cannot be conducted without the permission of the University. Hence there is no such programmes.

#### ***k) Introduction of new courses***

In past years, two new courses were started. One is BSc Zoology and the other is MCom. Both the courses are affiliated to Kerala University. Proposals are submitted to University time to time for the sanctioning of new courses as the college expands its infrastructure facility.

#### ***l) Student exchange***

There is no Student exchange programme among the Colleges. But there is a provision for the students to transfer there course of study from one college to another, provided there is vacancy in the college for the course of study.

#### ***m) Any other***

NIL

***3.7.6. Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations. Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.***

The college has started taking efforts to establish linkages and collaborations with other institutions having high research profile. Since many faculties have collaboration with scientists from other institutions. The institution plans to invite those scientists for seminars and workshops so that gradually linkage/collaborations with other faculties of the department can be established. The college expects that in the coming years more collaboration and linkage can be established among faculties of the college and other institutions in Research, Consultancy and Extension activities.





## CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1. Physical Facilities

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

The policy of the management is to enhance the infrastructure as and when the need arises. Once the availability and government sanction for a new course or a programme of study are ensured, the management takes effort to provide the best infrastructural facility possible. To improve the standard of education, all the latest facilities in the emerging field of educational technology is to be exploited.

#### *4.1.2. Details of the facilities available*

##### Curricular and co-curricular activities

##### **Facilities for curricular/co-curricular activities**

Sl. No.	Facility	Number
1	Class rooms	34
2	Laboratories	5
3	General Library	1
4	Departmental library	Nil
5	Seminar Hall	1
6	Auditorium	1
7	Computer Lab	2
8	Language Lab	1
9	Zoology Museum	1
10	Botanical Garden	1
11	LCD Projectors	10
12	Projector screen	10
13	Computers	72

##### Extra-curricular activities

##### **Facilities for extra-curricular activities**

Sl. No.	Facility	Number
1	Playground	1
2	Basket-ball court	1

3	Shuttle badminton court (indoor)	1
4	Ladies waiting room	2
5	Stock rooms: NSS NCC	1 1
6	Loud speaker	6
7	Amplifier	3
8	Microphone	7 + chord less - 3

Other facilities

- Canteen
- Post office
- Car parking
- Two-wheeler parking

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

The infrastructure development is in line with academic growth. The staff discuss, monitor and review all infrastructural works before finalizing the requirements and to implement the design. Each new requirement is considered by optimally utilizing the available space ensuring the required standards and norms. In the last three years many new facilities have been created and existing facilities have been renovated to meet the growing academic requirements. Some of the examples are listed below.

The available infrastructure is in line with the academic growth of the institution and is optimally utilized. Some of the class rooms serve as lecture rooms as well as examination halls due to their large size and suitability. The departmental laboratories are utilized for routine practical works and practical examinations. Cultural events, seminars, workshops, and NSS activities are also held in the auditorium. Seminar halls are utilized for staff meetings, seminars as well as workshops.

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

The differently abled students in the college are provided with necessary facilities according to the nature and degree of their disability. The supporting staff of the college are equipped and encouraged to attend to their needs. Care has been given to facilitate the laboratories in the ground floors as much as possible.

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

There is no residential facility at present.

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

The college takes special care of the physical and mental hygiene of students through yoga, guidance and counseling, mentoring and medical inspection. The primary health centre and some private hospital are only 3 kms away from the college. The college has first aid and restroom facilities.

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

The Department of the concerned conveners give facility for Grievance Redressal Cell, Women's Study Unit, Counselling and Career Guidance and Placement Cell in the different locations of the campus.

**4.2. Library as a Learning Resource.**

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

A library advisory committee is functioning in the college and the members of the library committee are as follows:

Chairperson: Dr. B. Sreekumar

Convener: Maya S.

Members:

- Babu K. Panicker
- T. S. Sreedevi Amma
- V. S. Indu
- M. Sindhuja
- Dr. K. P. Jayakumar

- Mr. K. Anil Kumar (Librarian)

**4.2.2 Provide details of the following:**

- Total area of the library (in Sq. Mts.)  
2400 square feet
- Total seating capacity  
60
- Working hours (on working days, on holidays, before examination days, during examination days, during vacation)

The library is open from 9.30am to 4.30pm on all working days and Saturdays. The same schedule is followed during vacation, before examination days and during examination days.

- Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

individual reading carrels and research zones are provided.

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

Library holdings	Year-1		Year-2		Year-3		Year-4	
	Number	Total Cost	Number	Total cost	Number	Total cost	Number	Total cost
Text books	601	100707	1246	130406	500	150600	1300	264898
Reference books	58		120		36		239	
Journals/Periodicals	43	20000	43	20000	43	20000	43	20000
e-resources								
Any other (specify)								

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

- OPAC
- Library automation
- Internet band width/speed-10 mbps

**4.2.5. Provide details on the following items:**

Average number of walk-ins : 120 to 150/day

Average number of books issued/returned

: Issued 90-100 per day

: Returned 60-70 per day

Ratio of library books to students enrolled : 25:1

Average number of books added during last three years : 900

Average number of login to OPAC : 70 to 80

Average number of login to e-resources : nil

Average number of e-resources downloaded/printed: Our college/Library enables downloading /printing of e-resources, but no records have been maintained of the same.

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

- User Orientation and awareness
- Reference
- Reprography
- ILL (Inter Library Loan Service)
- Information deployment and notification
- Download
- Printing
- Reading list
- Assistance in searching Databases

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

The Library staffs are very cordial and help the students to search books and other materials. The 1st year students are given orientation on how to use the Library by the staff members with the help of the Librarian.

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

The Library staffs are very accommodative when it comes to helping visually/physically challenged persons. All possible helps are provided to them for finding out the books of their choices etc.

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

A complaint/Suggestion box is placed near to property counter. Also Feed back is taken from the users on the performance of the library. The Library committee analyses the feedback and better user services are offered.

### 4.3. IT Infrastructure

#### *4.3.1. Details of the computing facility available (hardware and software) at the institution*

1. Commercial software 'e-College solutions' for handling student database and attendance.
2. Number of computers – 41
3. Laptops – 5
4. Number of systems with internet connectivity – 8
5. Printers – 13
6. Copiers – 5
7. Scanners – 5
8. Paid software – 3

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

All the Departmental rooms are connected with broadband facility. All faculty members can avail internet facility in their departmental rooms. Students also can access internet through the departments. Our Mathematics lab is also equipped with 16 computers. Students attendance is recorded through a software called e-college solutions which enables each department to enter the attendance of the students for their respective classes. This makes the attendance calculations much easier.

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

Computerization has a major role in enhancing the quality of teaching & facilitating the learning process. So emphasis has been given on expanding the computer facilities and at the same time providing access to internet also. The college intends to upgrade the PCs with latest configuration available in the market. The college plans to make the campus WiFi enabled. More smart class rooms with modern educational facilities are to be established.

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

Computer and other infrastructure facilities are purchased by means of various funds like UGC funds, PD purchase, PTA fund etc. There is no special budgetary allocation for

this purpose. Each head has a specific amount allocated for the purchase of computers. Besides these many faculty members also donate computer and computer accessories to various departments.

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

All departments are provided with computers and internet facility. Availability of LCD projectors and projector screens make it possible to enhance the quality of teaching and understanding. Students, especially those in science disciplines, are thus exposed to complex simulations and animations related to their subjects which otherwise have obvious limitations in textbooks and notes. Faculty takes care to guide students in the effective use of e-resources including the preparation and presentation of powerpoint slides.

##### ***4.3.6. Student-centric Teaching-learning Process***

The use of ICT has made the teaching/learning process students-centric. Powerpoint presentations and other audio visual aids made possible by new IT gadgets have complemented the traditional lecture method and have resulted in making teaching-learning interactive. The students make use of Internet resources for assignments, seminars and project works. ICT enabled classrooms provide access to worldwide information resources and provide the most cost effective means for bringing the world into the class room. This places the student at the centre of the teaching –learning process.

#### **4.4. Maintenance of Campus Facilities**

##### ***4.4.1. Ensuring optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (with details of budget allocated during last four years)***

The institution has made adequate arrangements for the maintenance and upkeep of the college infrastructure using funds provided by the management and PTA.

##### ***4.4.2. What is the mechanism for maintenance and upkeep of the infrastructure, facilities and equipment of the college?***

The requirements for the maintenance of the college is reported to the management by the Principal. The department-wise requirement of facilities, including procurement and maintenance of building facilities and laboratory equipment are required to be communicated to the Principal by the respective heads of the departments. As per necessity the management sanctions the fund for maintenance.

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

The maintenance and repair of the infrastructure is taken care of by the college in a systematic manner. Day to day maintenance is carried out by the staff appointed for cleaning and maintenance of the building. The computers and electronic devices are maintained and repaired through the funds available in the institution.

***4.4.4. The major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)***

Labs are equipped with voltage regulators for the protection of sensitive devices. The institution has generators. This is sufficient to meet the power requirements of the college in case of power failure. All computers have power-back facility.



## CRITERIA V:

### STUDENT SUPPORT AND PROGRESSION

#### 5.1. Student Mentoring and Support

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

Yes, the institution takes effort to publish prospectus annually. It is in the form of a handbook about the college. These publications reflect the transparency and commitment of the College to the academic and allied activities and their schedule. These handbooks are intended to give a new comer a full- fledged knowledge about the college campus, its various departments, its mission and various activities of college and it opens the vistas of knowledge. The accountability of these publications is monitored through the formulation of a Publication Committee which ensures timely publication of the prospectus every year. The following information is provided to students through the above documents and through the College website:

About the College	Vision, Mission& Motto Members of Advisory Board Profile Aims & Goal College Prayer Faculties and intake Highlights of the College Contact Numbers Unique features of the departments
Academic information	Programmes offered Academic Calendar Almanac Course description Choice Based Credit & Semester System-CBCSS Time Table Card Dates to Remember
Faculty information	Class Teachers and Mentors College Staff Succession list of Principals
Rules & Regulations	General Discipline Class Timings Attendance and Leave Issue of Certificates Library Rules
General information	Application forms for TC,CC & Qualifying Certificate, Caution Deposit Parent- Teacher Association

	Alumni Hall of Fame Alumni Associations Students' Council Academic Council Technical Clubs Scholarships and Endowments Research & Development Extension Activities
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**5.1.2. Specify the type, number and amount of institutional scholarships/ free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?**

The number of students who receive scholarship varies from department to department. Maximum number is 20 and minimum one from each department including UG and PG. The varying types of scholarships/freeships received are PTA funds, Endowments, Inspire, Alumni, Manager's etc and the amount ranging from Rs. 1000 - 23000. The details are given below:

Type	Funding Agency	2012-2013 in Rs		2013-2014 in Rs		2014-2015 in Rs		2015-2016 in Rs		2016-2017 in Rs	
		No	Amount	No	Amount	No	Amount	No	Amount	No	Amount
Institutional	Kannezhuthu Narayani amma Memorial Scholarship	2	450	2	450	2	450	2	450	2	450
Institutional	PTA	13	6500	13	6500	13	6500	13	6500	13	6500
Government	Higher Education Council Fellowship			1	40,000	2	60,000	1	40,000	-	-
Government	KPCR+ OBC Harijan Welfare Department	719	W.A.*	728	W.A.*	716	W.A.*	894	W.A.*	813	W.A.*

Government	SC+ST+OEC Harijan Welfare Department	26 1	<b>18,13,950</b> + W.A.*	25 2	<b>17,51,400</b> + W.A.*	27 5	<b>19,11,250</b> + W.A.*	33 3	<b>23,14,350</b> + W.A.*	32 3	<b>224,4850</b> + W.A.*
Government	SEBC+FC Harijan Welfare Department	42	<b>84,000</b> + W.A.*	55	<b>1,10,000</b> + W.A.*	62	<b>1,24,000</b> + W.A.*	57	<b>1,14,000</b> + W.A.*	42	<b>84,000</b> + W.A.*

\*W.A.- Tuition fee of Rs 1000 + Spl fee of 570 + lab fee also waived

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

Majority of the students at NSS College receive financial assistance from state government and single girl child scholarship from central government.

#### Under Graduate

English-49.64%

Malayalam-63.15%

History-60.34%

Physics-59.18%

Botany -65.34%

Commerce -71.42%

Mathematics- 58.7%

Chemistry-53.39%

EVS -49.29%

Zoology- 57.77%

Economics-61.45%

#### Post Graduation

Mathematics- 27.77%

Economics- 68.42%

MCom-60.52%

***5.1.4. What are the specific support services/facilities available for Students?***

*For SC/ST, OBC and Economically weaker Sections*

Students from SC/ST, OBC and economically weaker sections are provided with Scholarships. Reservation in admission is provided as per Government norms.

*For Physical Challenged*

Most of the buildings are easily accessible by physically disabled. For physically disabled, though a minority, support is given in the form of special coaching and assistance for enhancing learning capabilities. At present the percentage of physically disabled persons is less than 0.5%.

*For Overseas students*

Medium of instruction is English with occasional use of Malayalam. At present we have no overseas students, other than NRIs.

*Support for Students to partake in various competitions*

Students are supported to participate in various competitions with duty leave. Also grace marks are awarded for those who win the competitions.

*Medical assistance to students: Health centre, health insurance etc*

A 10 bedded Primary Health Center is available at Kochuramapuram (1Km) near the college. The Cherthala Taluk hospital is 5 km away from the college which is a full-fledged hospital with Full time doctor, nursing staff, pharmacist, X-ray technician, lab technician and clerical staff. The SN Mission hospital and KVM Hospital are 7 km away from the college. 24-hours ambulance service is available with this hospital. Health club is available at the college for primary assistance and for providing first aid for the students. All departments ensure the availability of first aid box in the department to meet with any contingency situation. The university provides Group Insurance scheme to all admitted students (Students Group Insurance - SGI). Periodic health checkups were being conducted in the college by various clubs in the college.

*Organizing coaching classes for competitive exams*

The PG departments (Mathematics, Commerce and Economics) organize coaching classes for CSIR UGC-NET examination. The Career Guidance and Placement Cell organizes seminars on Higher Studies and conduct aptitude training.

### Skill Developments (Spoken English, Computer literacy etc)

Communicative English has been incorporated into the curriculum. Mathematical typesetting Software –Latex and Python Programming Language is also included in the curriculum which enable the students to get Mathematical Typesetting and Computer Programming skills. In addition to this, different departments conduct the following add-on courses: English for Special Purposes, Print and Visual Media, Disaster Management etc. to enhance the skills of the students. We send our students on regular basis to attend ASAP training programme which enables the students to acquire communication skills, leadership qualities, technical skills and personality development. It is a career oriented programme which enables them to acquire jobs after the completion of the programme.

### Support for “slow learners”

Slow Learners are identified and given special attention by means of Scholar Support Programme (SSP). Besides this teachers provide special sessions and remedial classes for weak students. Remedial Classes are arranged for slow learners before each semester exams. To help weak students to score better marks, improvement tests are conducted. In addition to this there is a strong mentoring system to boost the confidence of the slow learners.

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

The students are exposed to other institutions/industries through industrial visits/trainings. Students participate in various inter-collegiate competitions and attend trainings organized by other institutions. The Department of Mathematics is conducting a Science Popularization Programme–Interactive Session in Mathematics for Higher Secondary and Under Graduate students in Schools and Colleges in Kerala. The programme is fully funded by Kerala State Council for Science Technology and Environment (KSCSTE).

### Publication of student magazines

Student magazines are published with the participation of students. The Students Union annually publishes the College magazine. In addition to this some department has its own magazines and Newsletter, for example *Dakshina* of Commerce Department. Also the students publish their articles on Blogs and other social sites.

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

The institution offers all the opportunities open for students to enhance their competence in the global market. The college takes initiative to send students to educational workshops and professional seminars.

Entrepreneurship Development Club (ED Club) of the college focuses on these aspects. ED Club of the college tries to inculcate the culture of entrepreneurial talents among the students and empower them with the skills techniques and confidence to start enterprises.

### Impacts of ED Club on Students

It helps to

- Motivate students towards Business enterprises
- Assist them in generating Entrepreneurial skills and ideas.

### Impacts of ED Club on Society

- Social empowerment through the development of new employment opportunities

### Economic Impact

- It helps to stimulate economic development through industrialization.

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

NSS College Cherthala views extracurricular and co-curricular activities as integral to the holistic development of the students. Opportunities, therefore, are identified, created and given to promote student participation. Financial support, training and development support are provided by the institution appropriately. The College helps students in these activities in the following ways:

- Students with the assistance of teachers organize Cultural Fest, Arts Day, College Day, Onam , Christmas celebrations and Womens Day celebrations.
- Different clubs in the college like Theatre Club, Music Club, Film Club, Debate Club and Performing Arts Club co-ordinate and conduct different cultural programmes to enhance the inborn talents in the students.
- Annual Sports Meet, College Youth festival and College Union Inauguration were conducted. The students who won prize in the latter were selected and send for University Youth Festival.
- “Ravam” a cultural event was organized by the college Performing Arts Club.
- Cultural fests and food fest etc. were organized by different departments.

- All core departments have their own branch association. They organize seminars / workshops / invited talks from industry/inter-College and Intra College technical and cultural fest.
- Students are encouraged to participate in programmes and competitions organized by different colleges. It gives them an exposure to come into contact with other students, faculties and novel ideas.
- With a view to honing the technical and cultural skills and talents of students, and to promote their aptitude for research and extension, the College offers both technical as well as non-technical clubs. There is an Entrepreneurship Club and Research Club in the college actively steering the students towards goals.
- Students are given duty leave to participate in technical and cultural activities organized by the university or any other College.
- The institution offers quality education programme, soft skill development and placement services.
- The students admitted under sports Quota are allowed to participate in the inter-collegiate and inter university sports and games events. A condonation of attendance shortage is granted for these students. These students are also encouraged to attend special classes arranged for slow learners.

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

The departments organize coaching classes for various competitive examinations like UGC CSIR- NET, UGC-NET -, SLET. The Career Development and Placement Cell organizes seminars on Higher Studies and provide aptitude training to the club members. Many books and periodicals are available in the library. In-house experts arrange special classes for students who are advanced learners to promote their pursuit of excellence.

No of students who cleared UGC CSIR- NET, UGC-NET -SLET from various departments are as follows:

Department of Commerce

UGC - NET – 1

Department of Mathematics

UGC CSIR- NET -1

Department of Economics

UGC - NET -3

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

Academic Counseling

- Each faculty member is entrusted with the responsibility of the students to keep track of their progress and performance.
- Tutorial Meetings are conducted frequently to know the problems of the students.
- Personal mentoring through WWS, SSP and Remedial Teaching are also provided.

Personal Counseling

- There is a Counselling Cell in the College. The students are free to choose group or individual counseling. It helps them to empower themselves and build up confidence in them. Also students may contact their tutors or respective faculty mentor for guidance on issues affecting them.
- There is a Women's Study Unit in the college which aims to initiate activities like counseling, healthy discussions and tries to facilitate and empower the minds of the female section in the college. It also celebrated the International Women's Day and conducted talks and cultural programmes of the students. As a part of this a Cell to Combat Sexual Harassment operates effectively. It supports female students and provides personal counseling to the needy.

Career Counseling, Career Guidance and motivational programmes

- The Career Guidance and Placement Cell in the college provides guidance at two levels: College Level and at the Department Level. External guest and faculty are invited by the Career and Placement Cell of the College.

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

The college has no structured mechanism for career guidance and placement of its students. But a career guidance cell and Placement Cell has been formulated under the expertise of senior faculty to guide the students towards better opportunities of the society.



Career oriented programmes and awareness classes have been arranged to improve the competence level of the students.

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

Yes, the Institution has a Student Grievance and Redressal Cell functioning effectively under the guidance of the senior teachers of the college. It is responsible to see and settle the grievances reported by teachers, students and non-teaching staff of the college. Genuine grievances related to academic and non-academic nature are being discussed and are redressed by the cell. Both academic and personal problems get due relevance and are closely monitored. Whatsoever the problem is [grievances regarding accommodation, financial services, health services, library and other central services] the cell tries to sort out the problems promptly and judiciously.

The following were the problems reported and redressed by the cell.

- The Library of the college was automatized in 2012.
- Canteen facility improved in 2016.
- Water purifiers were placed in different corners of the college.
- Mobile phones are banned in the college.

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

Women Studies unit of the college is assigned these responsibilities but so far no such incidence has been reported yet. There is a separate cell to combat Sexual Harassment against women and the members deal with any such type of problems if arise. Such problems don't arise in the College as the institution keeps high level of discipline.

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

The institution has an anti-ragging cell which monitors the students conduct all through the academic premises. Even if any instance is found, matters are taken seriously and disciplinary action would be taken. The freshers are made aware of the committee for any kind of support and security measure from the side of the institution. There is an Anti-ragging Committee to prevent ragging inside the College. After initiating the committee, the implications of ragging are made known to all students through yearly meetings when new students join. Senior students do not indulge themselves in such practices as the punishment

is severe. The Honorable Supreme Court has banned ragging in college and it is considered as a crime. Classes are organized on legal awareness on anti ragging. Anti ragging affidavits are collected at the time of admission from parents and children. Because of the effective steps taken by the College, we never had any incidence of ragging.

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

The welfare schemes of the college include academic, cultural, social and financial schemes. At the academic level the schemes prevalent are tutor mentorship, remedial teaching for slow learners, interdisciplinary discourse for students to enhance their knowledge level in subjects other than their area of study, computer aided learning facility, placement and counselling, special training for personality development and global competence. Culturally the institution organises cultural events to rejuvenate the talents of students and the PTA offers funds for supporting the talented students. College encourages the students who participate in the events at university and interuniversity level debates, sports etc. Financial aid is given to students for the economically weaker sections and academically brilliant students. Student support schemes like SSP and WWS and other endowments, along with fee concession schemes like KPCR, UGC funds etc. The college also ensures reservation for socially and economically backward students. Financial aid is also initiated for the homeless and destitute, others who require medical assistance for life extension.

The following Committees are operating in the College for the welfare of the students:

Career guidance and placement cell, Human rights ethics cell, Canteen committee, Cell to compact sexual harassment, Counselling cell, Discipline committee, Health Club, Cell for energy and environment conservation, Cell for human resource development, Research cell, Literary club, Film club, Media club, Tourism club, Music club, Theatre club, Performing arts club–folklore, Quiz club, Fine arts club, Sports club, Yoga club, Entrepreneurship development club.

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

No. The Alumni Association is functioning in the college but it is not registered yet.

## 5.2. Student Progression

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

Table below provides the percentage of students progressing to higher education or employment (for the last four batches):

Student progression	%
UG to PG/Employment	19.5%
PG to Ph.D.	2%

After Under Graduation a good number of students choose employment in Defense Service. A small number of students are getting absorbed in banking sector.

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

#### UG Courses

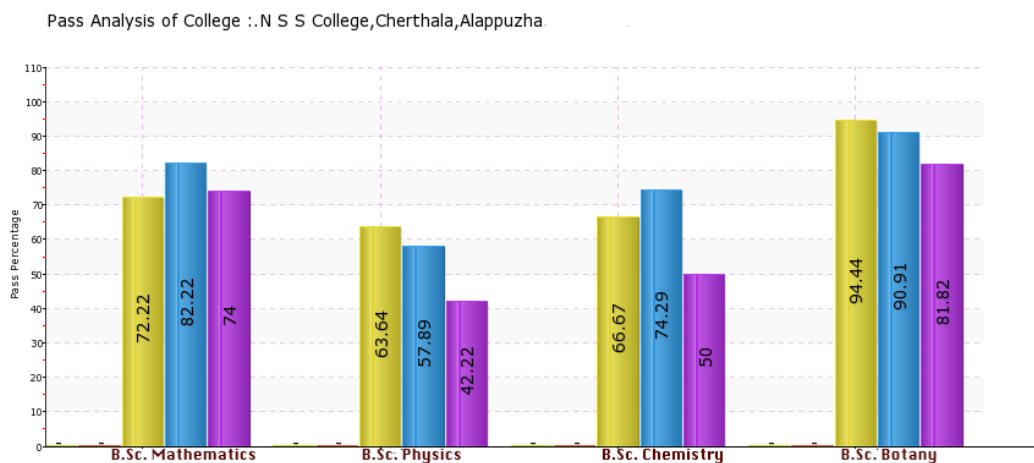
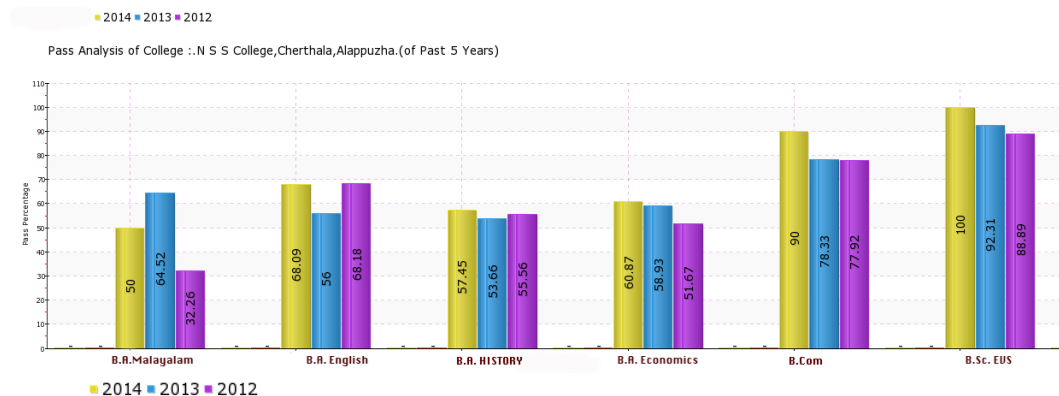
Course	Year				
	2012-13	2013-14	2014-15	2015-16	2016-17
Malayalam	50	64.52	32.26	15	RA*
English	68.09	56	68.18	50	RA
History	57.45	53.66	55.56	2.1	RA
Economics	60.87	58.93	51.67	3.5	RA
BCom	90	78.33	77.92	36	RA
EVS	100	92.31	88.89	31	RA
Mathematics	72.22	82.22	74	24	RA
Physics	63.64	57.89	42.22	36	RA
Chemistry	66.67	74.29	50	45	RA
Botony	94.44	90.91	81.82	3.1	RA
Zoology	-	-	-	-	RA

\*RA: Result Awaiting

#### PG courses

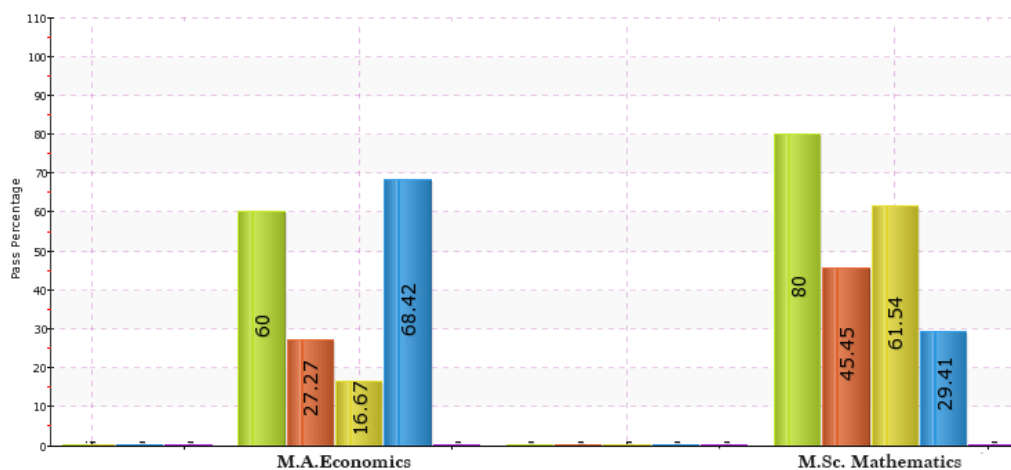
Course	Year				
	2012-13	2013-14	2014-15	2015-16	2016-17
Economics	27.27	16.67	68.42	62.5	RA
MCom	-	-	-	100	RA
Mathematics	45.45	61.54	29.41	68.7	RA

\*RA: Result Awaiting

**Success Rate 2012-2016****Under Graduate****Post Graduation**

■ 2016 ■ 2015 ■ 2014 ■ 2013

Pass Analysis of College : N S S College, Cherthala, Alappuzha.



**Comparison with other Colleges in the City**

Course	Year	NSS College, Cherthala	S.N. College, Cherthala
BA English	2013 2014 2015	68.09 56 68.18	Course Just Introduced
BA Malayalam	2013 2014 2015	50 64.52 32.26	83.33 68 60.71
BA Economics	2013 2014 2015	60.87 58.93 51.67	67.5 41.18 60.66
BA History	2013 2014 2015	57.45 53.66 55.56	69.44 47.22 50
B. Com	2013 2014 2015	90 78.33 77.92	95.83 87.76 92.59
B.Sc. Mathematics	2013 2014 2015	72.22 82.22 74	Course Just Introduced
B.Sc. Physics	2013 2014 2015	63.64 57.89 42.22	70.97 53.66 52.78
B.Sc. Chemistry	2013 2014 2015	66.67 74.29 50	53.13 48.57 61.54
B.Sc. Botany	2013 2014 2015	94.44 90.91 81.82	76 81.82 68.97

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

The Tutorial System prevailing in the Campus identifies students with prospects and motivates them to go for higher studies. The Placement Cell, with the support of core departments, conducts seminars on career guidance and higher studies. It also organizes coaching classes for UGC CSIR- NET. The Career Development and Placement Cell organizes on-campus training programmes in Aptitude test, Group Discussions, Interviews and presentation skills in collaboration with the SSP and WWS programme coordinators and ED Club. Sustained practices in the College for student progression to higher level of education include:

- Guidance for UGC- NET Examination
- Guidance for higher studies like PhD
- Academic counseling
- Scholarships and free-ships
- Practices for student progression towards employment include:  
Industrial visits
- Placement-oriented Personality and skill development programmes.
- Placement drives, Career seminars, Sessions on Aptitude & Reasoning skills, etc.

Moreover each department motivates, gives information and directs about the various universities offering related higher courses .

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

Students who are at risk of failure and drop out are identified through attendance monitoring, results analysis in every semester, and also through teachers' observations and informal interactions within and outside the classroom. Special attention and support are given to such students and they are motivated for improved performance. When there is any doubt about a student, his/her parents are contacted personally and the problem is discussed. Counseling is given to parents and students by way of discussions and the student is motivated to continue. Remedial coaching is given for the students who are at the risk of failure, counseling sessions to boost their morale and self-confidence. The average dropout rate is low and a minority occurs in UG because of admissions/selections in professional courses like Engineering, Medical and paramedical courses.

### **5.3. Student Participation and Activities**

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

NSS College Cherthala ensures participation of students in a wide range of co-curricular and extra-curricular activities to facilitate their holistic development. Under the Physical Education Department, facilities for Cricket, Volleyball and Ball Badminton etc are provided to students. The Department has made provisions for Athletics too. Students also participate in various tournaments conducted by other institutions. College conducts annual Sports Meet every year.

The College has given due importance to cultural activities along with academic subjects for the all-round development of students. The College Day is celebrated annually in collaboration with the College Union and College Staff Council. For the budding talents to perform, Youth festival is also conducted.

In 2017, a Two Day Youth Festival was conducted in which the whole students were divided into four houses. Different competitions were held and the winners were sent to participate in University Youth festival. The events include Musical events, Dance events, Fine Arts, Stage events, Quiz Competition, Recitation, Elocution, Mock press, Debate, Kathaprasangam etc.

Under the auspices of different Departments, fests and competitions are organized every year. Students are also encouraged to participate in on campus and off campus Youth Festivals. Several cultural events such as Onam, Christmas and Arts Day and other important days like Tourism Day, Women's Day, and Environmental Day etc. are celebrated. Opportunities for Short Film Making, Drama, Power Point Presentation, Photography, Literary activities (Malayalam, English), Quiz and Debate programmes, folk dance, classical and western dance, etc. are also provided to students. Besides this, there are several clubs, Department Associations and activities such as NCC and NSS are active and make the campus vibrant.

As per the regulations of CBCSS, it is mandatory for students to participate in the club activities provided by the college. It is compulsory for the students to secure minimum attendance of at least for hours. Each club functions under the effective guidance of a convener. Efficient teachers work along with the convener. Students have the freedom to choose more than one club.

The NCC in the college plays credible role in shaping the character and instilling student's values of patriotism, service, discipline and hard work. Cadets enrolled are given training and can participate in camps, adventurous activities, community development programmes, sports and cultural activities etc.

The NSS group conducts camps in addition to the social work rendered. They regularly organize camps and other activities in the college. These camps are made enjoyable to the inmates by the cultural programmes arranged by the students.

Regular visits to Palliative care units, Old age homes makes the students in acquaintance with the reality faced by the poor and the destitute.

A Nature club and Bhoomitresena Club functioning in the College inculcates in students concept of Environment protection, conservation and management of valuable and natural resources. The latter is an idea conceived by Directorate of Environment and Climate Change under Department of Environment and Climate Change. It is aimed at encouraging college students to appreciate the environmental and to react positively to environmental issues.

College arts festival screens the talents and the best are sent for University Youth Festival competitions to enhance their credibility of potentials.

Moreover, annual education tours and visits to research centers/ industrial visits for Arts and Science Graduates serves a sound platform for the overall curricular - Academic excellence

Women Studies Unit of this college conducts classes to empower students against sexual and mental harassments and also conduct regular cultural programmes on International Women's Day along with talks and seminars.

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

The students with their diligence have always brought the college's pride through their achievements in Kerala University youth festival. Specially in 2015-2016 youth festival Litty Francis of our college scored A grade for Mappilappattu in Keral University Youth Festival. This year our students have participated in events like Thiruvathira, Folk song, Bhartanatyam, Mappilappattu, cartooning, literary items like essay writing, poetry writing, Debates, Short story writing and many more. The students participate in various inter college activities.

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

The College takes feedback from students in order to improve the Quality of education. Suggestions for improvements are carried out to improve the performance and quality of the institution.

Besides this, the following Informal mechanisms are also used to get the feedback. Oral feedbacks of parents are taken during PTA on which improvements are made. The suggestions will incorporate in the next year management plan of the college with the



permission of College council and PTA. Suggestions with a lot of financial burden will be sent to the college management and the development committee of the management for rectification.

- We have a student feedback system.
- The institution adopts a feedback mechanism by administering a questionnaire among outgoing students.
- Other serious suggestions of the students are addressed in the department meetings. The relevant suggestions, if any are also made known to the members of the respective Board of Studies.
- Personal feedback from the parents is gathered by the respective teachers and communicated to HOD's.
- Feedbacks from management are also collected by the respective committees or the teachers and are discussed in the staff meetings/college council.

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

The College encourages students to participate and publish research Papers in both the National and International Conferences. Students are encouraged to contribute material to the College magazine.

A faculty member is given charge of guiding and supporting students for publishing the College magazine. College magazine, published annually, gives opportunities to students to express their literary skills. In addition to this, each department association brings out its own department magazine which comprises topics relevant to the latest developments in those subjects. For example Dakshina by Commerce Department. Along with this different departments tries to bring out wall magazines and handwritten magazines (Mannappam, Aham and Vakshe by the English Department).

Commerce Department of the college published a book title *Reforms in Insurance Sector: Whether a Boon or Bane* with ISBN Number 978-93-5259-331-1

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

All students are members of the college union. Various office bearers are elected by students which include positions like Chairman, Vice- Chairman, General Secretary, University Union Councilors, Magazine Editor, Lady Representatives, Class Representative, Arts Club Secretary and Sports Club Secretary. Many co-curricular activities are carried out by the college union. Devoted participation gives it a democratic character. Activities of arts club, Women's Club, Sports Club and several other clubs in the college work under the leadership of the College Union to co-ordinate the co-curricular activities in the college.

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

There are student representatives in the following academic bodies for the democratic and smooth functioning of the institution.

- College Union
- Class Representative
- Department Associations
- IQAC
- NSS
- NCC
- Various Clubs

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

The Alumni association of our college is not a registered society but is functioning actively. The College has various Endowments which provides cash prize to toppers in University PG and UG examinations. The various clubs have always promoted collaborative learning and career guidance programmes through seminars, workshops etc.

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

Mobile phone is banned in the campus. Bringing mobiles phone in the campus invite penalty. Funds raised in this way are used for supporting financially weaker students nominated from different departments by the tutorial system.

## CRITERION VI:

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 Institutional vision and leadership

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

N.S.S. College, Cherthala is a living memorial to the founder acharya of Nair Service Society, Bharata Kesari Padmabhooshan Sree Mannathu Padmanabhan and completed 52 years of effective and efficient existence in 2016. Being located in a socially, financially and educationally backward area of the state, the institution caters to the educational needs of all sections of the society.

#### VISION

Our vision is a College of the community for the increase and diffusion of knowledge.

“सत्वात् संजायते ज्ञानम्” (Knowledge arises from Goodness)- a precept from Bhagavat Gita 14.17

#### MISSION

- To Provide quality education
- To Build excellence in students and inspire them to be inquisitive, innovative and creative in their mission.
- Become a centre of initiatives and attain excellence in higher education to cater for local, regional, national and international needs

To educate and illuminate the young generation to build up a strong and progressive nation where the rich values and traditions are upheld. The college is established for providing educational opportunities for the young men and women of our country irrespective of their religion, caste or creed. Through academic excellence, development of skills and character formation, the college hopes to produce committed and inspired young men and women with a holistic approach to life. The location of our institution, in a remote rural village of Alappuzha District, led to the development of our third mission statement viz. “Become a centre of initiatives and attain excellence in higher education to cater for local, regional, national and international needs”. The statistics of admission,

which shows that the majority of the students are economically and socially marginalized, substantiate the fulfillment of this mission. The goals and objectives of the college are clearly stated in the college handbook.

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

The college is owned and managed by the Nair Service Society which has its Headquarters at Perunna, Changanassery. Nair Service Society, one of the prime educational agencies in Kerala, considers education as a service and takes special care to ensure the non-denial of education due to economic backwardness. With a vast network of 144 schools, 16 Arts & Science colleges, 7 professional colleges in the educational sector and 9 hospitals and 15 hostels in the service sector, the Society strives to materialise the vision of its founder.

Top Management consists of Director board members elected from the General body. It has an elected President, General Secretary, Treasurer, Secretary, N.S.S. College's Central Committee Etc., everyone having designated powers. The Secretary, N.S.S. College's Central Committee is the ex officio Manager of the institutions under its ownership including our College. This Director board is the apex body which takes all the policy and executive decisions.

After discussions in the bodies such as Staff Council, IQAC etc., the Principal informs the Manager about the views of the College and he in turn presents them in front of the Director board. This is with regard to serious policy and other decisions only since the Manager is provided with a lot of leeway in making decisions which are urgent. The Principal also has enough margin for making decisions which are under his purview. Hence the design and implementation of its quality policy and plans are done in a democratic way with the participation of all concerned.

***6.1.3 What is the involvement of the leadership in ensuring :***

- *the policy statements and action plans for fulfillment of the stated mission*
- *formulation of action plans for all operations and incorporation of the same into the institutional strategic plan*
- *Interaction with stakeholders*
- *Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders*
- *Reinforcing the culture of excellence*
- *Champion organizational change*

The policy statements and action plans for fulfillment of the stated mission

After the policy statements and action plans are articulated in the Director board, it is discussed and passed in to the Manager. Then the manager informs the Principal who in turn briefs the staff meeting. Thus the leadership is involved in ensuring the policy statements and action plans for fulfillment of the stated mission.

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

All Departments prepare a comprehensive action plan at the beginning of the year and submit it to the IQAC. IQAC after much deliberation approves them (or make suggestions to amend it as the case may be) and these are then incorporated into institutional plan. The implementation of these plans is made possible with the help of the whole College.

Interaction with stake holders

The Principal and the Manager maintain a close contact with the major stakeholders such as alumni, parents, retired teachers, the society etc. and try their maximum to ensure their positive involvement. We have a very functional PTA, a well operated Alumni and an association of retired staff operating in the College having a close contact with the leadership of the College.

Proper support for policy and planning through need analysis, research inputs and consultation with stake holders.

The management takes the feedback of the society through their well organized system of decentralized level of organization like Karayogam, Thaluk union, Director board etc. these low level organization of the management give feedback from stake holders to the top management and they develop the action plan considering the feedback in good faith.

Reinforcing the culture of excellence

Regarding the reinforcement of cultural excellence, the IQAC was committed for quality sustenance and enhancement and for the institutionalization and internalization of the quality practices. Management supports staffs to attend seminars and presentations, honor students who acquired academic excellence in college and University levels. There are about 36 endowment awards given to students with academic excellence.

It was the decision of the Management committee to move to court and get an order banning student politics inside the Campus and change the conduct of elections to

Parliamentary form. On 2017 we have college union election and elected union members after the long 10 years of span

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

The College constitutes a number of committees to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time. IQAC, UGC cell, NAAC committee, Purchase committee, Library committee, Computer/Web-Site Committees, Calendar committee, Squad for Mobile Phone, Anti-ragging cell, CBCSS-college level monitoring committee- CLMC, Tutorial and attendance committee, Career guidance and placement cell, Human rights ethics cell, Canteen committee, Cell to compact sexual harassment, Counseling cell, Discipline committee, Health Club, Cell for energy and environment conservation, Cell for human resource development, Research cell, Literary club, Film club, Media club, Tourism club, Music club, Theatre club, Performing arts club –folklore, Quiz club, Fine arts club, Sports club, Yoga club, Entrepreneurship development club are some of the committees and clubs operating in the College. From among these, the IQAC plays a crucial role. All activities are supervised by the Principal in the capacity of Head of the Institution. The Manager also has a significant role to play as the funds, other than the UGC and other grants for the quality initiatives.

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

The top level Management always encourages and supports the faculty cluster and inspires them to be a part of their academic decision making process. They attend almost all important functions conducted in the College and are ready with advice all the time. They are always very receptive when it comes to suggestions by the faculty on matters relating to the functioning of the College. The Committees constituted by the management, also provide leadership to the Principal and faculty. Among them the Academic Council and IQAC are most substantive one as they pertain to the academic activities of the College. The Principal entrusts the HODs with various responsibilities and suggests new methodologies to improve overall. At the department level, the HODs communicate the same with the staff in faculty meeting held in the department. Moreover, faculties are inspired to indulge in association, student Council, Club activities and to organize seminars, industrial visits/tour etc. aiming at scaling greater academic heights. As the Principal is the academic head, he provides valuable guidance in planning and organizing all academic activities in the

institution. He has given full powers to each faculty member to act as the leader of his own subject and classroom.

The duty of the faculty is not only to maintain discipline but also to redress the grievances of the students through proper mentoring system. The Management and the Principal encourage the faculty members to do research and to organize and participate in seminars, national and international conferences, and workshop training, and other faculty orientation programmes.

**6.1.6 How does department groom leadership at various levels among the faculty?**

Faculty Level:

As the head of the institution, the Manager along with the Principal, plays a main role in the administration and the Management of the institution. The Principal is the sole controller of academic and non academic activities. In the same way the Principal gives full freedom to the HODs to act as the leaders in their departments. The members of staff are given full freedom to convene and conduct department association activities at various levels inviting experts from the University and State levels. Faculty members work as conveners of various clubs and Associations, NSS & NCC Programme Officers, taking individual decisions for the conduct of programmes. These members produce leaders among students by training them to imbibe the spirit of leadership at various levels. Members of all the Departments work as Faculty Advisors, Club Coordinators under CBCSS and also engage students in Extra-Curricular and Social activities. Work distribution to the members of the Dept. done in the Dept. meeting.

Major and Minor Project Fellowships are done by various teachers. Faculty Members are encouraged to take Chairmanship of University Examinations and to deliver speeches and to organize seminars, workshops, etc. Teachers are encouraged in preparing scheme of valuation of different University Exams and serve as Members of Question setting body of other Universities. Research Guideship is also offered by various teachers.

Student Level:

A Students Union is formed and the Chairman, Vice Chairman and General Secretary, University Union Councillors, Arts Club Secretary, Sports Club Secretary, Lady Representative, Association Secretaries and class representatives are elected by presidential method. Student leadership is groomed through clubs, associations, NSS, NCC, technical

and cultural fest, and sports activities. Students are encouraged to participate in seminars, conferences, technical fests, inter collegiate tournaments and programmes. Every year the institution trains students in leadership qualities through career counselling, orientation programs, seminars.

Non-teaching Level:

The College office is controlled by the Principal who is responsible for maintaining the certificates of the faculty and the students, collecting fees from the students and disbursement of financial assistance. The Principal is assisted by Superintendent and different section heads, accountant, clerks and peons.

**6.1.7. How does the college delegate authority and provide operational autonomy to the dept?**

In the beginning of the new academic year the College Council meeting is convened by the Management. Various Committees are formed and their responsibilities and functions are earmarked and the chosen convenors are responsible for its successful functioning. Members from all departments are included in these Committees. The quantum of work and the nature of Committees' jobs assigned to the staff concerned, are communicated to them. Thus the College has decentralized the authority and provides operational autonomy to the Committees.

The Heads of Departments regularly conduct department meetings in which important aspects of the requirements of the departments such as books, journals, equipment, laboratory materials and others are discussed. This should be brought to the notice of the Head of the Institution who, in turn, takes it up to the Management for further action. Normally the Management immediately approves the provision for providing such facilities to the departments. In the Academic Council meetings the Principal discusses the requirements for the departments and the nature of urgency.

The number of books required in the library, number of computers, machines and equipment are also discussed in detail. The Principal receives the plan of expenditure on contingencies to execute academic programs and activities through the Head of the Department.

Faculty members try to attend Workshops conducted by UGC – Academic Staff College, and they also make it a point to organize Local Workshops in association with the College and other Departments.



**6.1.8. Does the college promote culture of participative management?**

Yes, The College has 100% participative Management in all its activities.

All decisions taken by the Management are through detailed discussions and deliberations. There is a network system of coordinative mechanism for the successful conduct of the College. The Principal and the Academic council delegate various committees incorporating members from teaching and non-teaching staff and they are in charge of their committee in implementing the duties bind on them by the principal and top level management. Some of the duties of the departments are deployed to the HODs by the Principal and duties will be discharged to the faculty in the departmental meeting.

Staff Committee headed by a staff secretary can cast their opinion for academic and non academic improvements including staff welfare. Not only the department meetings are conducted but also intra departmental meetings are arranged for common issues. The Principal with the Heads of the Departments discusses the needs, problems and suggestions to improve the educational quality and infrastructure and forward it to the Management for further action. The teaching and non-teaching staff are represented in the College Committees on account of this participatory Management. The College involves and allows the faculty members to participate voluntarily with involvement in every work including the preparation of NAAC self-study report. The constructive suggestions of the students represented through College Union are also given due importance. There are various Committees constituted to manage different institutional activities. The list of available Committees is as follows:

1. IQAC,
2. UGC cell,
3. NAAC committee,
4. Purchase committee,
5. Library committee,
6. Computer/Web-Site Committees,
7. Calendar committee,
8. Squad for Mobile Phone,
9. Anti-ragging cell,

10. CBCSS-college level monitoring committee- CLMC,
11. Tutorial and attendance committee,
12. Career guidance and placement cell,
13. Human rights ethics cell, Canteen committee,
14. Cell to compact sexual harassment,
15. Counseling cell, Discipline committee,
16. Health Club, Cell for energy and environment conservation,
17. Cell for human resource development,
18. Research cell,
19. Literary club,
20. Film club,
21. Media club,
22. Tourism club,
23. Music club,
24. Theatre club,
25. Performing arts club –folklore,
26. Quiz club,
27. Fine arts club,
28. Sports club,
29. Yoga club,
30. Entrepreneurship development club

## 6.2. Strategy development and deployment

### *6.2.1 Does the institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?*

Yes. The institution does have a formally stated quality policy. It is ingrained in our mission statements. The quality policy document not only contains details about

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implementation, monitoring and review strategies but also spells out its linkages to the vision, mission and motto of the College. This policy is developed by our founding fathers who were very particular and substantive about their views on quality. There are a number of programmes and systems which are used to attain and sustain quality. IQAC is the paramount among them. The review of the quality policy is done by taking feedbacks from various stakeholders. Informal review is also taken by the Management by way of discussions with all concerned.

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

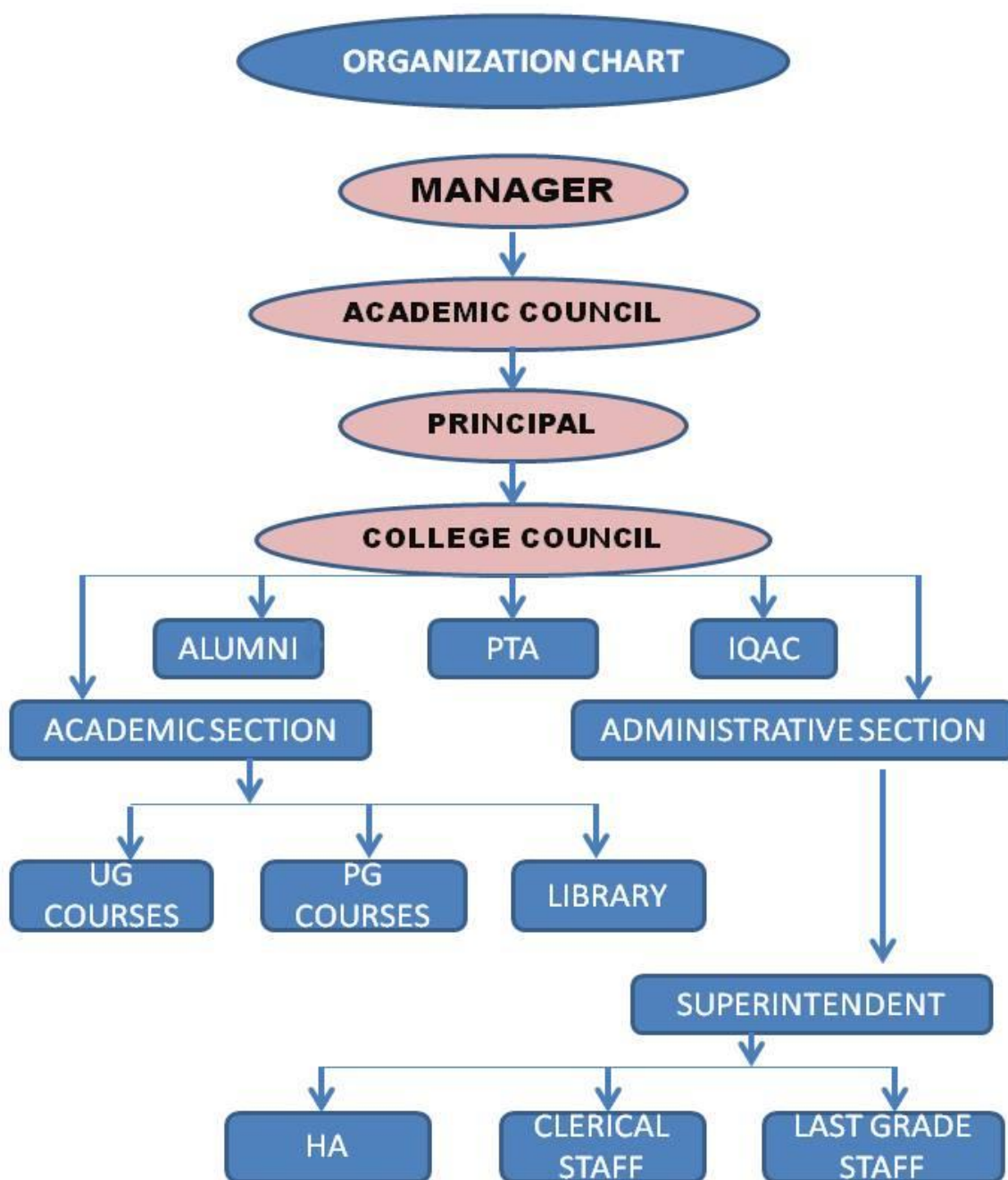
Yes. The Institute have a perspective plan for development. Earlier, the IQAC used to make the Perspective plan, but after the constitution of the Planning Board the job was entrusted with them. The primary role of our College Planning Board, which is set up every year, is to analyse, assess, estimate and make projections relating to quantitative dimension of medium term and long term development plans. This perspective plan is a framework within which concrete short term plans can be fitted. This plan is forwarded to the Management, through IQAC, who gives consent with or without modifications.

Some of the aspects considered for inclusion in the plan which was made in 2017 and to be fulfilled by 2020 are;

1. Starting of research centres in all PG Departments
2. Upgrading all UG departments to PG departments
3. Construction of an indoor sports centre
4. Construction of a separate PG block
5. Construction of students hostels
6. Upgrade the current library building with more facilities to cope with the development of the College
7. Starting research journals
8. More digital, inter active class rooms

### ***6.2.3 Describe the internal organizational structures and decision making process in the dept?***

The College has fashioned a system of organisational structure by which the smooth functioning of the institution is facilitated. It starts with the Apex body which is the Director Board of Nair Service Society (NSS). The Education Secretary of NSS is the ex-officio Manager of the College who appoints a Principal. The Policy decisions are taken in the apex body and conveyed through the Principal. The executive Committee of the Trust is assisted in their decisions by the Academic Council and other Committees constituted by it. The Principal executes the decision in consultation with the Academic Council and the IQAC. The Principal is helped by a host of committees in his decision making and operational processes.



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

Teaching – learning

The quality improvement strategy starts with the recruitment of highly qualified and efficient teaching staff. The next step is professional development of the faculty. The

institution is moving towards student oriented method of teaching and learning. Presentation of seminars and dissertations by the students, setting up of more and more ICT enabled class rooms etc are some of the efforts made by the institution towards this goal. Strengthening of the Tutorial System by way of more and more interaction of Tutors with students also is considered and practiced. Toning up of the existing feedback system is another quality improvement strategy practiced by the College. Scholar Support Programme, Walk With the Scholar Programme, Remedial Coaching etc. contributes to the quality improvement of Teaching Learning process of the College. The continuous evaluation, feedbacks from different stakeholders, Micro-teaching, various types of faculty improvement programmes etc. are some of the quality improvement strategies in teaching and learning.

### Research & Development :

It is in our perspective plan to start research centres in all PG Departments and we intend to achieve it shortly. The College has the strategy of encouraging more and more research oriented activity. Faculties are urged to take up major and minor projects with or without the aid of funding agencies. The Students have to undertake research projects as a part of their curriculum. The research Committee of the College does everything they can, to apprise the students and staff about the research projects obtainable to them. The Management is always willing to sanction leave for doing research under FIP or for doing course work and the Principal makes the necessary arrangements in time table. With the financial help of the Management, we intend to bring out more and more publications and journals in the near future. The College regularly conducts seminars and training programmes with the assistance of the UGC and other agencies which promotes research culture in the Campus.

### Community Engagement:

Our Institution identifies the growing importance of being socially responsible. Social responsibility is one of the mainstays that support our academic and research work, and it is also one of our strategic priorities, because we believe that our role as a higher education institution involves something more than simply the imparting of knowledge and skills to our students and, as active agents of social change, we aim to address and find solutions to social problems. This responsibility implies taking on the role of leader in the creation of a culture of social responsibility in society through our own example and action, and we are committed to defending the ideals, responsibilities and objectives of a socially responsible academic institution. The College, through the activities of organizations

such as NSS and different departments conducts many outreach programmes every year such as soil and water testing by the Department of Chemistry, social surveys by the Department of Economics etc. The college shares its infrastructural facilities for the benefit of the local community. The local community uses the college play grounds, auditorium and other infrastructural facilities for conducting meetings, competitions and social get-togethers.

### Human Resource Management:

The Faculty and other staff are recruited according to the regulations of the UGC, the affiliating University and the Kerala Government. The recruitment is done purely on merit. The top leadership of the College prompt the staff members to attend quality improvement programmes such as refresher and orientation courses. The College conducts different classes like computer literacy and research orientation etc. for the benefit of the staff.

### Industry Interaction:

The students of many departments go for industrial visits during their final year. The Career Guidance, Entrepreneurship Development Cell and Placement Cell arrange classes by and interaction with leaders in industry which fosters the industry interaction.

### ***6.2.5. How does the head of the institution ensure that adequate information is available for the top management and stake holders to review the activities of the institution?***

The Principal, as the Head of the institution, ensures that adequate information (from feedback and personal contacts etc.) to review the activities of the institution, is obtained through the following ways:

- The College has an Academic Council which is headed by the Principal and attended by all the deans, HOD's, staff representatives etc. This is a venue for taking decisions for the smooth functioning of the day to day academic activities. Various issues of relevance are discussed.
- Collecting Feedback from students.
- Taking feedback and suggestions from Parents on periodical basis (through Parents' Meet).
- Continuous process of counselling and mentoring mechanism by faculty coordinators.
- Meetings with class review Committee members.
- Alumni Association recommendations to enhance the academic excellence.

- Assessment through well-designed evaluation on the effectiveness of teaching and measuring the learning outcomes of the students.

After thorough discussion and deliberation the existing systems and activities of the College are reviewed and decisions regarding the implementation of new policies are taken.

***6.2.6. How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of institutional processes?***

The Management is always encouraging and supporting the involvement of the staff in improving the institutional process. The Management, through the Principal, involves the staff members in various activities and decision-making processes related to the curricular, extra-curricular and administrative development of the College. The Staff members involve themselves through various Committees such as Admission Committee, Women Cell, Counselling and Placement Committee, Discipline Committee, Anti-ragging Committee, Sports Committee, etc. The representatives of each Committee are free to give suggestions and opinions during the meetings with the Management. These suggestions are taken in to consideration before making any decisions. In fact, our current Manager is our retired faculty which increases the rapport between staff and Management.

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

Following are some of the resolutions made by the management executive in the last year and the status of implementation of such resolutions.

Sl.No.	Date	DecisionsTaken	Status
1	June 2016	To make aluminium roofing in the roof of zoology block	Implemented
2	June 2016	To whitewash the college building	Implemented

***6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution?***

Only the Colleges with Potential for Excellence are being considered for according the status of autonomy by the State Government. The issue is of top priority in our perspective plan and we are striving hard to achieve it.

***6.2.9. How does the institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grieances for promoting better stake holder relationship?***



A four tier system is in place for the redressal of grievances of students. In the first place, the students can approach their Tutor. If it is not resolved there, they can approach their Head of the Departments and finally they can avail the services of Grievance Reddressal cell. There is separate Grievance Reddressal Cells for students and staff who can be approached at any time directly or indirectly.

The employee and students can email their grievances to [grievance@nsscollegecherthala.ac.in](mailto:grievance@nsscollegecherthala.ac.in) which will be seen by the members of the Cell. The formal mechanism for analysing the grievances is the Grievance Reddressal Cell which consists of senior faculty. In fact most of the grievances of students are related to internal evaluation which is resolved by the Departmental committee formed for the purpose as directed by the University. . So there are only very rare instances of complaints to the cell.

***6.2.10. During the last 4 years, had there been any instance of court cases filed by and against the institute? Provide details on the issues and decisions of the court on these.***

There was only one instance of filing a case by the Institution. The case was to ban student politics and student strikes which disrupt classes in the Campus and the Hon. High Court of Kerala granted the plea.

***6.2.11. Does the institution have a mechanism for analyzing student feedback on institutional performances? If yes, what was the outcome and response of the institution to such an effort***

Yes. The Institution has an unfailing mechanism to carry out the collection and analysis of feedback on institutional performance from the students. Formerly the student feedback was taken using feedback forms. At the end of every semester, feedback is taken from the students regarding academic courses and course delivery. Interim feedbacks are also taken in a semester quarter. HODs ensure the performance of the each faculty; if it's not satisfactory the appropriate measures will be taken on the faculty through counselling and training. Exit-feedback from the graduates of each programme regarding teaching-learning processes, infrastructure and student-support system are also taken. From 2017 onwards, we are planning to take the feedback using computer. This is much easier to analyse and more effective. Apart from the feedback taken from the class, feedback forms are available on our website which can be filled and posted at any time. Feedback forms for the Parents and employees are also available on the website which contains questions concerning the institutional performance.

The following major decisions were taken as a result of the feedback analysis.

- The weak students are given special attention for improving their result
- Portions were completed in time and students are given more time for exam preparation
- Infrastructure facilities were improved

### 6.3. Faculty empowerment strategies

#### *6.3.1 What are the efforts made by institution to enhance professional development of its teaching and non-teaching staff?*

Many efforts are made to enhance the professional development of teaching and nonteaching staff.

- The Institution organizes seminars and Conferences for the benefit of the faculty.
- It arranges classes and training sessions for learning the software and other electronic gadgets like interactive projector etc.
- It conducts computer literacy classes at the beginning of every academic year.
- Classes on Office procedure is conducted for the office staff.
- The faculty is encouraged to attend refresher courses and Orientation courses.
- The faculty is urged to go for Ph D and to undertake minor and major projects.
- The training sessions in the Library teaches the faculty about the use of library resources. NSS programme officers are sent for training in the University.
- Provides opportunity to attend guidance and counselling workshops conducted by the University.

#### *6.3.2. What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibilities they perform?*

The Institution does everything they can for Faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform.

- It motivates its staff to attend refresher courses, orientation courses, seminars and other type of training and retraining and leave is readily granted for those attending them.
- We conduct workshops, seminars, brainstorming sessions and other types of training for the perpetual improvement of our employees.
- Leave is granted to pursue research under FIP and for those doing course work for their part time research for Ph D.

- These are the broad strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform.

***6.3.3. Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.***

Every faculty and non-teaching staff submits their Individual Development Plan (IDP) during the start of an Academic year.

HOD will collect performance appraisal from each staff annually. It will be verified by the HOD and forwarded to the principal for recommending.

Performance appraisal of the teacher by the students are taken on multiple activities and analysed by the Principal and the concerned Heads of the Departments and informed to the teacher. The teachers are advised on how to improve. Self appraisal of the teachers are also taken and analyzed.

Targets are set for each of the categories. Many faculty improvement training programmes/seminars/workshops etc. are conducted to empower the faculty. Those who achieve higher academic performance in terms of additional qualifications, research outputs and publications are given additional credits and increments. The College has a practice of announcing the major decisions and recognitions in staff meetings.

***6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stake holders?***

The review of the performance appraisal report is done by the Principal, IQAC coordinator and the Heads of the Departments concerned. The concerned teacher is intimated privately about the results and suggestions for improvement are given. If the final grading falls below the minimum target level, teachers are advised accordingly by the Principal. The Management is generally not involved in these processes though we inform the Management about the details of teachers who fared badly in the performance appraisal report. The Management through the Principal appreciates the innovations and efforts of each staff during the Staff Meetings, based on the categories given below and thereby motivates them.

**• Research & Development,**

- Academics,
- Extra-curricular & Co-Curricular activities,

- Services to College and the Society,
- Administrative support given to College.

***6.3.5. What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefits of such scheme for the last 4 years?***

Many welfare schemes are available for teaching and non-teaching staff from state government and local society. Loans are available for them from their contribution to the Provident fund in case of need which they can pay back in installments from their salary.

Non refundable loans are also available for the P.F once they complete 15 years of service. Medical reimbursement facility is also available when the employee produces the relevant proof of his illness and expenses. Special casual leaves are available for the teaching and non-teaching staffs. The Principal, as the Head of the Institution, gives assurance to banking institutions for repayment of loans, the employee may avail, from his/her salary and make arrangement for the payment in case of any default on his/her part thus facilitating easy availability to loans. Loans are available from the employee's co-operative society, which is registered under the co-operative societies act. The main functions of the Society include giving short term and long-term loans to its members. The other benefits include Group Insurance, State Life Insurance, Festival Allowance/ Advance, etc. Under the non monetary benefits, Maternity Leave, Study Leave etc. A Post Office is working inside the campus in the college building which is beneficial for the teaching and non-teaching staff. Canteen facilities, recreational facilities etc are some of the other facilities available in the College. All these welfare measures affect and improve staff wellbeing, satisfaction and motivation. Almost all the staff enjoy the benefits of these varied schemes.

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

Peaceful working atmosphere, adequate facilities, effective teaching-learning practices, quality culture, infrastructure facilities make the eminent, talented faculty to continue their services in this institution. Since this is Govt. aided institution, rules and regulations of the institution pertaining to the selection, transfer and retirement of employee is strictly stick on to Kerala State Education Rules, Kerala State Service Rules, UGC and Kerala University rules. Management has low flexibility in this regard. The eminent faculty is retained by offering job as guest lecturers even after their retirement. UGC

Schemes like Emeritus Professor schemes are also available for retired faculties by which they can be associated with the department.

#### **6.4. Financial management and resource mobilization**

##### ***6.4.1. What is the institutional mechanism to monitor effective and efficient use of available financial resources?***

Financial monitoring mechanism involves the following:

- External audit done annually by a registered Chartered Accountant and the internal audit done by a team set up within the College.
- Transparency in transactions through bills and vouchers.
- All major payments done through Bank.
- All major expenditures incurred are on the basis of inviting tenders and quotations.
- Department level budgeting and periodic reviews .

Besides these the Institution has various committees to monitor the use of financial resources. The committees include UGC committee, Purchase committee, PTA etc. These committees are appointed by the Principal as per the recommendations of Academic Council. These committees monitor all financial transactions within their limit.

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

Accounts of the Funds received other than management contributions are prepared in the College office and audited as per the norms of the UGC, the Government and the University. The external audit of the funds from the Government is done by a Government auditor appointed by the Department of Collegiate Education and Accountant General's Office. The funds received from the UGC are properly utilized and utilization certificate along with the audited accounts prepared by a Chartered Accountant are sent to the UGC. The audit of funds contributed by the Management is audited internally and externally.

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

Major sources of funds of the College:

- UGC Grants like UG and PG assistance, General and special assistance

- Management contribution
- PTA fund, UGC fund,
- Government fund like PD fund and
- Management fund.

The deficit will be managed by the personal contribution from the staff for students welfare as well as contribution from the Management.

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

Fund is raised by the contributions from the staff and was utilised for many developmental purposes. Faculty members are encouraged to applying for research projects from outside funding agencies like UGC, CSIR, DST, KSCSTE etc

## **6.5. Internal Quality Assurance System (IQAS)**

### ***6.5.1. Internal Quality Assurance Cell (IQAC)***

***a) Has the institution established an Internal Quality Assurance Cell (IQAC)? If Yes, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?***

Yes. As a post accreditation quality sustenance measure, the Institution established and IQAC in the year 2004. Since quality enhancement is a continuous process, the IQAC becomes a part of an institution's system and work towards realizing the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of institutions. The IQAC makes a significant and meaningful contribution in the post-accreditation phase of our College. During the post-accreditation period, the IQAC channelizes the efforts and measures of our institution towards academic excellence.

### **Benefits**

- Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement.
- Ensure internalization of the quality culture;
- Ensure enhancement and integration among the various activities of the institution and institutionalize good practices;
- Provide a sound basis for decision-making to improve institutional functioning;
- Act as a dynamic system for quality changes in NSS College.

The following are the few quality assurance procedures adopted in the College

- Induction training to newly inducted faculty.
- Semester wise feedback system and the positive and negative comments about the faculty are communicated to them individually by the Principal.
- Encourage to apply for the funded training program.
- Predefined College calendar and academic calendar are given to the faculty and students.
- Timetable is prepared and published. It includes additional courses.
- Principal's meeting with the HOD and the Faculty at the beginning of the semester
- Regular Meetings of the HOD with the faculty to develop academic plans based on the number of available days
- Parents are informed about the performance of students by phone, email and parent teacher meetings are convened in each semester.
- Industrial visits/educational tours
- Arranging remedial classes for academically weak students to raise their academic performance

The developmental activities, both infrastructural and academic is formulated by IQAC of the college and submit it to the principal for the sanction of college council and top management. This assures quality in education and infrastructure of the institution.

***(b) How many decisions of IQAC approved by management and implemented (details) last four years?***

Sl No	Decisions of IQAC	approved by management and implemented
1	To make aluminium roofing in the roof of zoology block	Approved and Implemented
2	To whitewash the college building	Approved and Implemented

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

There are two external members of IQAC. One member is an industrialist and the other is an alumni, where the institution is located and other member is an educational expert. All the developmental activities in the college will be informed to these members and their suggestions and help will be incorporated while implementing the



scheme. The president of the grama panchayath is helping the institution by providing workers of „Mahathma Gandhi Rural Employment Programme“ for cleaning the campus.

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

The Alumni Association helps in making decisions. Moreover their collective effort in placement activities along with providing motivation to the students helps the academics go hand in hand with the industry.

### ***e) How do IQAC communicate and engage staff from different constituents of the Institution?***

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

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

Yes. The Institution does have an integrated and broad framework for quality assurance of the academic and administrative activities. The college is strict about the attendance of students and in some cases those students having shortage of attendance is not allowed to appear for the University examinations in the interest of discipline. Parent-Teacher meetings held on a regular basis are measures to keep guardians informed of their ward’s performance in college.

The Principal keeps a close watch on the functioning of administrative units and conducts regular formal and informal meetings with administrative personnel to ensure that all guidelines are strictly adhered to and matters are disposed of speedily and efficiently.

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

The Institution persuade the faculty to attend refresher and orientation courses and the non-teaching staff to attend courses by different agencies to workshops for training the staff for effective implementation of the quality assurance policies.

### ***6.5.4. Does the institution undertake academic audit or other external review of the academic provisions? If yes, how are the outcomes used to improve the institutional activities?***



Yes. The principal will ensure the topic coverage of each class and topic assigned to each faculty at the end of each semester. Feedback will be collected from students and parents one month before the closure of the semester. The HODs will be instructed to take proper remedial measures to regularize the lagging portion. Semester wise academic audit helps to improve academic progress of the students. The recommendations of the academic audit team are earnestly implemented.

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

Controlled by the regulations of Kerala University, the Central and State Governments and the UGC, the College has several external quality assurance mechanisms like the rules and regulations for recruitment of staff, admission of the students and other non academic staffs etc. All these rules and regulations are aimed at quality assurance and the College is very eager to follow them. This assures that the institution is in compliance with the rules and regulations of the Government, University, UGC, NAAC etc.

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

The Principal along with the teachers and staff are involved in planning, implementation, evaluation and review of the academic programmes. The committee comprising of Heads of all the departments chalk out the academic calendar at the beginning of the session. Progress of academic work and performances of students in internal and university exams are extensively evaluated by Principal and other faculty members through discussion and deliberation at staff meetings held at regular intervals. These are conveyed to the guardians through personal meetings with the Head of the Departments. The members of the Governing Body are all well conversant with the modalities of academic management and contribute valuable suggestions whenever their help is solicited. The teaching learning process is continuously reviewed by the process of continuous evaluation consisting of unit tests, seminars and projects and viva voce.

Some of the the Review Mechanisms of Teaching-Learning Processes are:

- ☐ **Semester wise Work Report:** Evaluated periodically (Semester End)
- ☐ **Students Feedback:** Evaluated periodically (Semester End & Interim feedback)

- **Result Analysis of University Examination:** Maintained records on successive index report of university results for every batch semester wise results.
- **Counseling:** Learning outcomes can be improved through continuous monitoring and analyzing the progression of students by class teachers, class mentors etc through tutorial meetings

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

The major methods for communicating the quality assurance policies, mechanisms and outcomes to the internal and external stakeholders are the following:

- Staff meetings (College/ Departmental)
- Periodic Academic Audit
- PTA meetings
- Alumni meetings
- Industry interactions
- Feedback from staff/ evaluators
- Face to face meeting with IQAC members, staff, Management
- Institute Vision and Mission
- College Website,
- College Calendar
- College display boardss

***Any other relevant information regarding governance, leadership and management***

**Nil**

## CRITERION VII: INNOVATIONS AND BEST PRACTICES

### 7.1. Environment consciousness

#### *7.1.1. Green Audit of the campus and facilities*

Though the college does not have a formal mechanism for the green audit of campus and facilities, we are always keen to make sure that the vicinity and infrastructure are tuned to meet the best conditions for teaching and learning in harmony with the environment without altering it. The campus is situated in a very rural area, far enough to be kept intact from the hassles of urban interventions. The college has ensured that no pollution or environmental destruction detrimental to health and intellectual growth takes place in the vicinity. The thick wall of trees planted along the boundaries of the campus provides a buffer zone preventing sound and air pollution that may come from the outside traffic. The college tries to maintain the plantation and the garden by ensuring the co-operation of staff and students.

#### *7.1.2. Initiatives for eco-friendly Campus*

##### Energy conservation

The college has a lot of electrical equipment which require regular power supply. To reduce our consumption of electricity, we have done away with bulbs and heaters in the campus and have resorted to CFL lights. We have the culture of using energy in a thrifty manner that all the unnecessary connections are disconnected after the class hours and during holidays. Our office monitors that no lights and fans work during off hours and thus we reduce our electricity consumption.

##### Plantation

The college has sufficient land area set apart for plantation of trees. A good portion of the land area is covered with trees which contributes shade and good air to the campus. A garden of Australian pine trees on the southern side of the campus is frequently used by students for informal gatherings and relaxations. Botany department is maintaining a Botanical garden including several rare species plants and plants which are included in the syllabus. It helps the students to identify the plants their natural habitats. Besides, a medicinal garden is also maintained. It is provided with all local and important medicinal plants like Sida, Adathoda, Clitoria, Tenospora, Neem tree etc. An interesting feature of medicinal garden is the maintenance of Dasapushpa, Thriphala, Thrigadu Thrigandha,

Nalpamara etc. The students of Botany took an effort for the cultivating vegetable crops by organic farming methods.

#### Waste management

The college does not generate any hazardous waste. The staff and students ensure that any waste generated is properly taken care of, without altering the status quo of the surrounding ecosystem.

#### E-waste management

The college has only started to feel the issue of e-waste, and currently we manage the issue by arranging the distributors themselves to take back our irreparable electronic commodities to be recycled or processed professionally.

#### Environment Education awareness programmes, seminars and project

Nature club, Bhoomithra sena club, plastic free zone, Australian pine woods garden, medicinal garden, botanical garden, organic farming initiatives, conservation and rejuvenation of sacred groves etc are some of the efforts taken in this direction.

## **7.2. Innovations**

### **7.2.1. Innovations of Positive responses**

The college has ensured that we keep pace with the modern world in utilizing the technologies of the time which makes teaching and learning easier.

- Students are supported with scholarships
- Students are supported in online registrations and downloading hall tickets
- Admission process has been computerized for easy handling of student database
- Attendance has been computerized
- Lecture sessions were enhanced by computer-aided audio-visual tools.
- Student seminar presentations have been done with the help of interactive projectors.
- Programmes like Walk with a Scholar, Scholar Support Programme, and Additional Skill Acquisition Programme started.
- NSS is engaged in social surveys

## **7.3. Best practices**

### **7.3.1. Contribution to college infrastructure by retiring hands**

Objective

- Every tiny drop goes to make an ocean. When every person working here, makes a contribution the college can grow in all directions
- It is a lifelong memento that a retiring teacher or non-teacher can give a college to remember him/her.
- It is a better, more practical and productive use of one's financial resources, instead of spending lavishly on large retirement parties where food is shared among the staff.
- It supplements the funding received by the college from various funding agencies in a small, but very meaningful and personal manner.
- It encourages a sense of belongingness between the staff and the institution, and sensitizes them towards the needs of each generation of students.

The context

- Teachers and non teaching staff of this college have been a part and parcel of this institution throughout as a single family. The desire to give back to the institution which has given them so much, and which has enriched their lives in myriad ways, stems from the feeling of belongingness of the staff towards the college.
- It is also testimony to the concern of the teachers & non- teaching staff for the welfare of the students, and a result of the excellent relations between all here.
- It was found that usually in a fit of emotion, retiring staff spend huge amounts in throwing very lavish parties for the other teaching & non-teaching staff of the college. It was felt that such a practice could be substituted by something far more worthwhile, meaningful and lasting.
- Knowing the peculiarities & requirements of this college, retiring hands are ideally suited to decide what may be done for the betterment of the institution.

The practice-

- Teachers/ Non –teaching staff, make a personal observation of what the college needs. This is from their hands-on experience in this institution over several years, and informal feedback from students and peers
- The ideas are then shortlisted and presented to the Council Secretary and the Principal.

- Whatever is best suitable in the given situation and keeping in mind the interest of the donor, a plan of action is arrived upon.
- Over the years the retiring hands of the college have donated ceiling fans, planted coconut trees, contributed towards making a false ceiling in the seminar hall, made lasting contributions to the infrastructural requirements of the college.

Evidence of success

- That this scheme is a resounding success goes without saying. Those who have made such donations in the past are viewed with respect and gratitude by the existing members in the institution.
- The retired hands have expressed that they feel connected to the college, even after retirement.
- There is a feel good factor of having done something worthwhile for the institution.
- The trend is growing as more people are being encouraged to do similar acts every year.

Problems & limitations-

The institution has to ensure that whatever is being donated is definitely of lasting value. Some things risk becoming obsolete over time. And care has to be taken to ensure that whatever is received is well maintained. Some members feel the loss of camaraderie that comes from sharing meals.

**7.3.2. Palliative care program by National Service Scheme students**

Objective

- The growing instances of cancer in society, and the pain and suffering of the patients are a matter of deep concern to all. As an educational institution it is our responsibility to reach out to the needs of the population.
- To create among youth a sense of social responsibility. It was felt that the energy of youth must be directed towards healthy and socially useful channels.
- It keeps them busy, makes them feel worthy and useful. It increases their feelings of self-worth.
- It acts as an effective check against youth falling into bad habits, especially in cases when the causes of cancer are linked to addictions of various kinds.

- To sensitize young minds to become more caring and humane. Not everyone is aware of the suffering that ill- health brings. Those who are in good health and young often develop a sense of false confidence about themselves. They are also likely to be inconsiderate towards the elderly and the ill, simply because they have not taken the time & effort to understand those less fortunate than them.
- Engaging students in the Palliative care program at once brings out the volunteer in them and gives them an exposure to dimensions of life, hitherto unknown to them. It helps in overall personality development of the students.
- It increases the interaction between this educational institution and the neighbouring population creating a bond of trust and goodness between the two.
- It equips the overburdened palliative care staff of the Panchayath Health Services with a few extra pairs of hands, to reduce their strain.

The context –

- The National Service Scheme Units of this college have been engaged in a wide variety of outreach and extension activities, working in tandem with several governmental and non-governmental agencies over a period of time for the benefit of the local population.
- It was found that cases of cancer are on the rise generally in Kerala, and the same could be said to be true for Pallipuram Panchayath.
- There are many houses where there are the aged and the ill, with no proper nursing care available for them, who are dependent on the Panchayath Health Services. This is especially true for those who are bedridden and could only be helped through house visits of medical staff at regular intervals.
- In this context, it was decided to go in for a sustained Palliative Care Program where the students would accompany the Panchayath Medical staff on their house visits.

The practice-

- To begin the Program, and owing to the tremendous responsibility it entails, the first step was a series of training sessions for the volunteer students by the government agencies.
- Students were sensitized to the special requirements of the Palliative Care Patients

- They were also trained on appropriate bedside manners and behavior with the patients and with the relatives of the patient
- The students were then grouped, where 2 or 3 students, i.e. one senior student from the 3<sup>rd</sup> year and 2 students from the second year, a mix of both boys and girls were allotted turns. Each such group would get one or two opportunities in an academic year.
- Every week, house visits were made by students on 2 or 3 days.
- The Palliative care vehicle of the Panchayath with a nurse and another staff would reach the college premises by 10 am and the students were picked up by them from the college.
- The students visit a few houses and are dropped back in the college before closing time by the vehicle.
- In the houses where the visits are made, the students learn by observation and practice the various skills required, including, sponging, making fresh beds, helping the patients to change into fresh clothes or to assist the nurse in simple first aid or health care.
- The Palliative Care Unit of the National Service Scheme was led by 2 senior student volunteers who arranged the duties in consultation with the Program officer
- Our college conducted a Palliative Care training Program for other colleges under Kerala University.
- Our student volunteers made small financial contributions towards the Palliative Care Program of the Panchayath for providing the patients with health supplements etc.
- Dr. Gangadharan the Oncologist was invited for a talk to the college students on creating awareness on cancer and its link with various addictions and wrong life style patterns.

#### Evidence of success

- The Palliative Care Program of our college has been very well received by the society, the Panchayath, the students and the patient beneficiaries & their families.
- The Panchayath members were enthused with the energy brought in by the youth and after 2 years the number of weekly house visits went up from 2 to 3.
- The students were better volunteers and with a changed better perspective that lasted.



- Students have reported how patients waited to see them and talk to them; they have been touched with the love of the patients and their families. And they have been moved by the plight of these people.
- The students were inspired to collect new clothes for Palliative Care Patients of the Panchayath.
- The Department of History arranged a food fest to raise funds for supporting the palliative care initiative in 2016.

Problems & limitations-

- Unfortunately the number of cancer patients have gone up. And Palliative Care can do only so much to alleviate their suffering.
- Only government agencies and funding are inadequate to meet the requirements, there is the need for more NGOs and several like minded people to support the cause
- Though there is no doubt that this is a much needed program, there is a strong feeling that the college has to be involved in reducing the instances of illnesses. In other words there needs to be greater focus on keeping the population in good health, in identifying the key triggers that cause this illness in our area, and in finding and implementing solutions to prevent further instances of this disease.

**7.3.3. Ecologically friendly college building and its optimal use**

Objective –

- To maximize the various potentialities of a traditional building in a rural setup.
- To increase the efficiency of the institution and improve its performance by exploiting the natural environment of the college premises.
- To provide the students with the learning experience that is in continuum with their home environment. To create confident, empowered rural youth without compromising on their rural makeup.
- To create a paradigm shift about the concept of development in rural areas.
- To permit rain water, water from hand washing etc. to percolate under the ground and thus contribute to water resources.
- To have class rooms in close harmony with nature,since there are trees and plants in the inner court-yard and natural vegetation in the college premises.

- To make the working of the institution more energy efficient by maximizing the use of daylight in class rooms , offices, seminar hall, auditorium and canteen even though electrical connections and lights are available.

The context –

- In today's times, unfortunately development is equated with an extensive use of cement and concrete .Often education which intends to develop the personalities of students simply end up trying to create an urban culture super imposed over their rural realities. This results in loss of confidence about their individuality and a feeling of inferiority about the rural vis-à-vis the urban.
- In most new structures, whether houses, churches or educational institutions, the grounds around the building are paved with tiles to give a sophisticated look and maintain a clean appearance. This practice has however resulted in a dangerous reduction of ground water levels leading to water scarcity in Kerala Also many urban practices are wasteful and high in energy consumption.
- In this context it was decided to retain the inner court-yards of the college in their pristine and natural form without paving any tiles, even at risk of having sand/mud in the building premises. In that sense the college is an extension of the lifestyle of the proximal area and blends into the environment.

The practice-

- Maintain sloping roof structure, keeping in mind the climatic conditions of Kerala.
- Maximum use of daylight instead of electrical light in the college premises. Reducing the use of air-conditioner.
- Availability of a large college ground that doubles up as a play ground for the local children in the after –college hours.
- Presence of large number of trees of different varieties planted by the students from time to time.
- Retain the inner court-yards of the college in their pristine and natural form without paving any tiles.

Evidence of success

We have been successfully able to juxtapose modern amenities such as computers with internet connection, sophisticated labs, class rooms with LCD projectors for teaching

etc. within the traditional building structure and natural environs of the college, and thereby effectively empowering the students and nurturing their talents.

#### Challenges-

The biggest challenge faced in this regard is in not getting our resolve diluted under the pressure and hype created by winds of urbanization.

#### ***7.3.4. Compilation of the research papers of teachers to make them available to students***

##### Objective

- To foster an academic atmosphere in the college and to develop the college further as an institution of higher learning.
- To recognize the expertise and academic excellence of teachers, and thereby encourage them to engage in regular research, leading to overall enhancement of the classroom experience.
- To further the academic growth of the teachers.
- To create and update content for department libraries.
- To update the students and peers about the latest developments in various areas of research.
- To encourage students to do independent research in areas of their choice.

##### The context

Colleges are seen as centres of higher learning and research, and have a duty towards furthering academic research in various areas. The Teaching community is seen as the leaders of intellectual revolution through their pathbreaking research contributions.

It is equally important to create in students an interest and aptitude for research activities, and to create more scholars for the future in important areas of human interest.

##### The practice

- Several members of our teaching staff are engaged in fruitful research in various areas of their specialized interest. They have made contributions through research papers in outstanding research journals and presented papers in seminars of repute.
- We have compiled all such research papers and bound them together as books. These are maintained in the department libraries and made available to the students for study and reference

Evidence of success

- Several of our students have shown an inclination towards continued/ higher learning, in spite of their challenging circumstances.
- The reading habit is nourished in spite of the onslaught of electronic media.
- Students have shown greater interest in academic discussions with peers and with teachers.

Problems & limitation

- Teachers find it difficult to set aside time for research in the midst of a very busy academic calendar.
- It is challenging to nurture and keep alive the interest for research over and above the regular work of college.

**7.3.5. House construction for the deserving, in pallipuram panchayath**

Objective

- Every person deserves a roof over his head. This is a basic need. To reach out to atleast one such deserving group of people in our lifetime.
- To nurture a feeling of belongingness among the students towards the less fortunate.
- To empower them by encouraging them to take responsibility for the underprivileged and to help them learn by example how they can contribute meaningfully to the solutions.

The context

There was a report about the homeless in Pallipuram Panchayath and how they were struggling in their day to day existence. We decided to build a house for the person under the aegis of the National Service Scheme Units of the college

The practice-

- Our students along with the Program officers made personal visits to ensure the correctness of the reports received.
- We approached the Panchayath authorities with a proposal to build a house on the small piece of property owned by the beneficiary
- Students managed to get sponsors in cash and kind
- Various well wishers and shop owners donated construction materials, and some of them contributed financially.

- After a labourious team work of the NSS students over a sustained period of 2 years the building became a reality.

*Evidence of success*

The beneficiary shifted gratefully into the new premises in and could finally be safe from the elements of nature and have a peaceful resting place permanently. The Press and the Panchayath were very happy over the result.

*Problems & limitations-*

During the process of building a home, we faced several obstacles in procuring the necessary items. At times the project lost its momentum only to be revived again until its final completion in 2015



## POST ACCREDITATION INITIATIVES

The recommendations of the NAAC team have been taken with due regard and in all seriousness by the entire college, keeping in mind that the objective of this college is to impart quality education to many first generation learners from this backward region of Kerala State, and also to contribute meaningfully to the community in the surrounding region.

The IQAC has made note-worthy contributions to the all-round development of the college, bearing in mind the recommendations and suggestions of the NAAC Peer Team. The IQAC has given regular directions to the college to sustain the quality achieved and to enhance the quality through better performance of the college in several areas.

To function effectively, every department has a Department level Monitoring Committee that functions under the College level Monitoring Committee.

Activities for the year are discussed and chalked out in the College Council and are followed up in the departments.

The following are some of our Post-accreditation Initiatives based on the recommendations.

*Suggestion: The College should introduce additional Post Graduate Courses.*

### OUR INITIATIVE

- Additional Post- graduation course has been started in the Commerce. Department. The College now offers MCom as a Postgraduate programme.
- A new B.Sc Programme is being offered in Zoology.

*Suggestion- Strengthen the PG Department of Mathematics*

### OUR INITIATIVE

- The PG Department of Mathematics has a well-equipped computer lab with 15 computers for the benefit of the students
- The Department conducts Interactive Sessions in Mathematics for Higher Secondary students. This programme is funded by Kerala State Council for Science, Technology and Environment.
- The Department has been conducting the Prof. Ambika Memorial Inter-School Quiz Competition since 2006

- The Science Popularisation Programme of the PG Department of Mathematics trains the Higher Secondary students and Under Graduate students of Kerala University.

*Suggestion- The College may explore possibilities of offering Vocational/ Short term Courses for the benefit of students to acquire additional skills.*

#### OUR INITIATIVE

- Audio video editing and Journalism is an Add-on course of the college, offered by the Department of Malayalam. It provides students with skill-sets in the fast growing area of audio-visual communication.

*Suggestion -Encouragement to teachers to pursue their research interests*

#### OUR INITIATIVE

- Most of the new teachers who have joined are doctorates giving a great boost to the research & academic environment of the college.
- 23 teachers of the College are Ph.D holders, 2 are Research Guides, 29 teachers are M.Phil degree holders.
- Eight teachers availed the FIP programmes offered by the UGC.
- Around 20 minor research projects (both on-going & completed).
- One Major Research Project in Chemistry has been completed.
- Several teachers completed Orientation and Refresher Courses Conducted by Academic Staff Colleges of Universities
- Many teachers are referees and reviewers of many national and international journals.

*Suggestion- Establishment of a separate research cell*

#### OUR INITIATIVE

- There is a Research Cell in our college, which has actively encouraged the teachers to undertake research activities and to participate & contribute in various seminars.
- This cell has encouraged our teachers to compile their research papers into books for use by the students of their respective departments.
- The research cell has enabled the college to get funding for various seminars and projects from the UGC and from a NGO



- The cell gives guidance for the timely and successful completion of minor & major research projects.

*Suggestion- Desirable to use modern education technologies to create a more vibrant academic atmosphere*

#### OUR INITIATIVE

- Several teachers use Powerpoint presentations and other interactive –learning media to enhance the classroom experience with the help of laptops and projectors in the classrooms.
- Electronic balances are used in labs.
- Students are encouraged to use computers & internet for their projects.
- The PG Department of Mathematics has a well-equipped computer lab with 15 computers for the benefit of its students.

*Suggestion- Organizing Seminars*

#### OUR INITIATIVE

- Several National and Regional Seminars have been conducted, most of them sponsored by the UGC.

*Suggestion- The Setting up of a Language lab and offering short term courses in Functional & Communicative English*

#### OUR INITIATIVE

- An Add-on course has been offered by the college – English for Special Purposes.
- A language lab has been set up to enhance the English speaking learning skills of students

*Suggestion- School outreach programmes*

#### OUR INITIATIVE

- NSS volunteers have visited the nearby school to find out more about the students there. We have conducted one awareness program in one school.
- The PG Department of Mathematics has been conducting the Prof. Ambika Memorial Inter-School Quiz Competition since 2006.
- The PG Department of Mathematics conducts Interactive Sessions in Mathematics for Higher Secondary students. This programme is funded by Kerala State Council for Science, Technology and Environment.

- The Science Popularisation Programme of the PG Department of Mathematics trains the Higher Secondary students

Suggestion- Well- equipped Counselling Centre particularly for girl students

#### OUR INITIATIVE

- The college has a counselling cell that offers counselling to students.
- The teachers of the Women Cell of the college are available for girl students for help, support, counselling & guidance.
- The Tutorial system has ensured that Tutors of each class are available for counselling, guidance and mentoring of the students of their respective classes.

Suggestion- The library needs to be strengthened and process of computerization completed. Separate section for Career Guidance in the library.

#### OUR INITIATIVE

- Automation of the library with Dewey Decimal classification has made the library user friendly.
- Every year new books are purchased. The college library subscribes to 12 journals and 45 periodicals.
- A reprographic unit has been provided.
- Books exclusively for General Knowledge and to prepare for Competitive Examinations have been purchased.

Suggestion- The Computer Centre to offer short term training programmes.

#### OUR INITIATIVE

- Short term computer courses have been offered to students.

Suggestion- Laboratories need to be upgraded and modernized.

#### OUR INITIATIVE

- Regular purchase of laboratory equipment and their upgradation is done.
- Electronic balances are used for weighing.

Suggestion- The botanical garden with self- explanatory placards, extension activities.

#### OUR INITIATIVE

- Placards have been put in place so that students may know more about the rich flora around them.

- The Dept. of Botany has taken the initiative to rejuvenate sacred groves in the neighbouring areas around the college

Suggestion- Yoga and Meditation programmes may be encouraged

#### OUR INITIATIVE

- A Yoga Club has been formed in the College which provides Yoga, Pranayamas and meditations to our students.
- There are also regular yoga sessions in the NSS camps.

Suggestion- Office automation

#### OUR INITIATIVE

- The college office is partially computerized. Some staff are trained well.
- All departments are provided with internet connection.
- Attendance of students is also computerized and centrally managed and computed.
- All communication between college & University, including issue of Hall-tickets, and internal assessment etc. are done online.

Suggestion- Women Studies Cell can be strengthened & Empowerment Programmes for Girl Students

#### OUR INITIATIVE

- A new building with some more toilets for girls has been constructed, considering the large number of girl students in the campus.
- Teachers in charge of the Women Cell activities are available for support and guidance to girl students
- The NSS conducted an Awareness Program on Women's Health for the girls of the college.
- Tutors have sessions for the girl students separately, in the beginning of the academic year, to address their problems and to empower them.

Suggestion- Present extension activities can be strengthened.

#### OUR INITIATIVE

- Our student volunteers of NSS are actively engaged in Palliative Care Programmes.
- NSS volunteers have also built a house for a needy person in the Panchayath.

- Chemistry & Environment Science Department conducts water analysis by collecting water samples from nearby areas to help improve the health of the local population.
- Our college NSS units have won awards of excellence for its extension activities.
- The Science Popularisation Programme of the PG Department of Mathematics trains the higher Secondary and Under Graduate students of Kerala University and the department also conducts quiz programmes for school students.

With a dedicated team of teaching & non-teaching staff, and with sustained efforts towards research and extension activities, the College is on its way to becoming a Centre for Excellence, benefitting the students and the community at large.

# EVALUATIVE REPORT OF THE DEPARTMENTS

## Department of English

1. Name of the department : ENGLISH
2. Year of Establishment : 1968
3. Names of Programmes / Courses  
Offered : UG- BA English Language and Literature  
Literature
4. Names of Interdisciplinary courses  
and the departments/units involved : Add-on Course on English for Special Purpose (ESP)
5. Annual/ semester/choice based credit  
system (programme wise) : CBCSS
6. Participation of the department in the  
courses offered by other departments : Enrollment of students in 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	Filled
Professors		
Associate Professors		
Asst. Professors	06	06

- 10.<sup>1</sup> 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 4 years
V.S. Indu	MA, JRF- NET	Assistant Professor	English Language and Literature	3 years and 5 months	Nil
Drisya K.	MA, JRF- NET, M.Phil	Assistant Professor	English Language and Literature	3 years and 5 months As Guest Faculty	Nil
Salini V.G.	MA, JRF- NET, M.Phil	Assistant Professor	English Language and Literature	3 years and 5 months	Nil
Aishwarya S.	MA,NET, M.Phil, B.Ed.	Assistant Professor	English Language and Literature	1 year and 7 months 1 year and 3 months- as guest faculty	Nil
Minu Balakrishnan	MA,NET, M.Phil, B.Ed.	Assistant Professor	English Language and Literature	1 year and 7 months 9 months- as guest faculty 1 year – as HSST	Nil
Maya S.	MA, NET, B.Ed.	Assistant Professor	English Language and Literature	1 year and 7 months 4 years- as HSST 4 years- IDE faculty	Nil

11.List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 20%

13. Student -Teacher Ratio (programme wise) : Core classes- 1:18  
General Class- 1:54
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil
15. Qualifications of teaching faculty with DSc/ D.Litt  
/ Ph.D/ MPhil / PG:  
PG-MPhil with NET- 4  
PG with NET- 6
16. Number of faculty with ongoing projects from  
a) National b) International funding agencies  
and grants received  
: Nil
17. Departmental projects funded by DST - FIST; UGC,  
DBT, ICSSR, etc. and total grants received  
: Nil
18. Research Centre /facility recognized by the University : Nil
19. Publications : 2
- a) Publication per faculty :2
- b) Number of papers published in peer reviewed journals (national / international)  
by faculty and students : 2
- c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)  
: Nil

- d) Monographs :  
Nil
- e) Chapter in Books :  
Nil
- f) Books Edited: NIL
- g) Books with ISBN/ISSN numbers with details  
of publishers  
:Nil
- h) Citation Index :  
Nil
- i) SNIP :  
Nil
- j) SJR : Nil
- k) Impact factor :  
Nil
- l) h-index :  
Nil

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

- a) National committees  
: Nil
- b) International Committees  
: Nil
- c) Editorial Board  
: Nil

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e.in



Research laboratories/Industry/ other agencies:  
Nil

23. Awards / Recognitions received by faculty and students :  
V S Indu: Thirunalloor Karunakaran Award for Poetry Writing

24. List of eminent academicians and scientists / visitors to the department:

- Mukhathala Sreekumar : Senior Programme Executive, AIR
- Viviane Sortier : French Theatre Artist
- Suneetha Balakrishnan : Writer and Translator

25. Seminars/ Conferences/Workshops organized & the source of funding a) National: Nil

b) International: Nil

Remarks: Department organized a Theatre Workshop on *Contemporary French Theatre*. The presenter being the eminent French Theatre artist Viviane Sortier.

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	

## 9. Diversity of Students

|

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA English Literature	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	10-15%
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
· Campus selection	10-15%
· Other than campus recruitment	50%
Entrepreneurship/Self-employment	10-20%

30. Details of Infrastructural facilities

a) Library : College Library

b) Internet facilities for Staff

& Students : Provided

c) Class rooms with ICT

facility: Nil

d) Laboratories: Nil

31. Number of students receiving financial assistance from college, university, government or other agencies : 70-75%
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:
- **Mukhathala Sreekumar**: Senior Programme Executive, AIR: Lecture on Literature and Life
  - **Viviane Sortier**: French Theatre Artist: Workshop on Contemporary French Theatre
  - **Suneetha Balakrishnan** : Writer and Translator: Lecture on Classics in Literature
  - **Dr. K P Jayakumar**: Journalist and Assistant Professor: Lecture on Women's Writing
  - **Dr. B Sreekumar**: Assistant Professor: Lecture on Works of Ayyappa Panicker
33. Teaching methods adopted to improve student learning: New Technology including social media has been appropriated for academic purpose. Digital technology in the form of movies, audio and video clips have been used as teaching aids
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Student participation in NSS and NCC
35. SWOC analysis of the department and Future plans:

#### SWOC ANALYSIS

The Department of English came into existence with the upgradation of the college in 1968, with a UG course in English Language and Literature and with a sanctioned strength of 40 seats. It started functioning with Prof. P. N. Kesava Kurup as HOD and Mr. K. Raghava Kurup and Mr. G Madhavan Nair as lectures. Adv. S. P Aravindakshan Pillai, Mr. Vayalar Madhavan Kutty, Mr. K.N Devadas and Ms. Yashoda Girija are some of the outstanding alumni of our department. The faculty earnestly endeavours to build excellence in student community by providing them with value- based, practical education with thrust on the English communication. The Department offers General English classes for BA/BSc/B.Com,

Communicative English for BSc (Environment and Water Management) and English Literature with Political Science and History of Literature as Complementary. Thus the significance of the Department of English can not be denied by the other Departments.

The Department is conducting a UGC approved, career oriented, add-on course on English for Special Purposes (ESP), to make the students of this rural area positive and confident to use various opportunities awaiting them. It intends to introduce career and market- oriented, skill-enhancing add-on course that will provide various job opportunities, self-employment and empowerment of the students. It is a flexible certificate/ diploma programme which will run in parallel with BA/BSc/B.Com degree.

The Department of English has overall faculty strength of 8 of which 6 are permanent and two are guest-lecturers. There are six Assistant Professors and altogether the faculty consists of 6 NET, 4 MPhil and 2 on going Phds.

Faculty Profile in Terms of Publications, Research Works and Attendance in Seminars

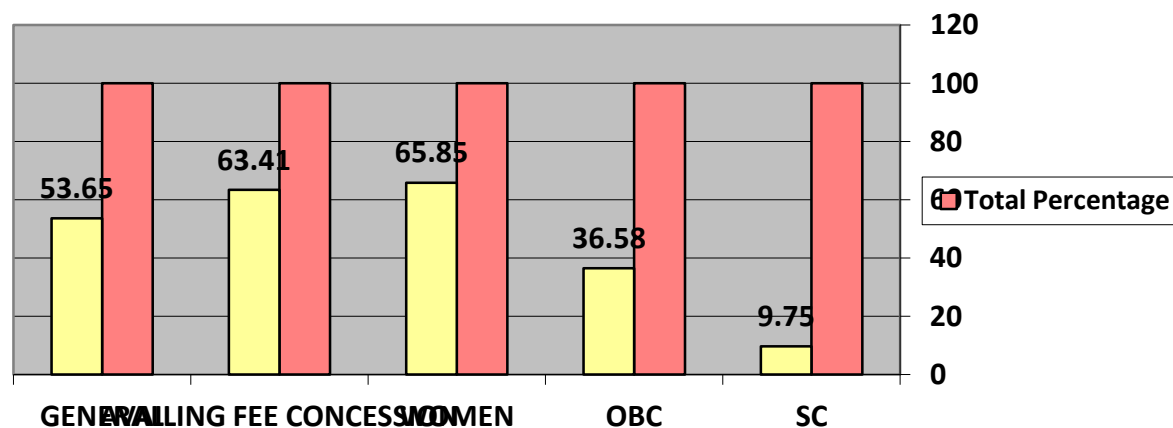
Name of the Faculty Member	Qualifications	Credits
1. V. S. Indu (Assistant Professor)	MA, NET with JRF	Presented papers in National Seminars on Children's Literature at University of Hyderabad and on The Real, the Virtual and the Magical at Jadavpur University.
2. Drisya K (Assistant Professor)	MA, MPhil, NET	Presented papers in National Seminars on Translation Studies at Krishna University, Vijayawada and on Visual Culture at MSM College, Kayamkulam.
3. Salini V.G (Assistant Professor)	MA, MPhil, NET	a) Published an article titled "The Female Subaltern on Stage: Reading the Exploited and Marginalised Female in Kutiyattam" in the international Referred Journal <i>IJPCL</i> , ISSN 0974-7370, Vol.13:1, June 2013. b) Published an article titled "The Coloured "Briar Rose" and a purple vision: <i>The Color Purple</i> and "Briar Rose" in a Modern Black Feminist Perspective" in <i>Discourse</i> , ISSN

		2321-0214, Vol. 1:2, Sep.2013.
4. Aishwarya S	MA, BEd, MPhil, NET	a) Two-day UGC National Seminar on Changing Employment Status and Resource Mobilisation of Women in Kerala conducted by Alphonsa College, Pala on 23 <sup>rd</sup> and 24 <sup>th</sup> July, 2104.
5. Minu Balakrishnan	MA, BEd, MPhil, NET	<p>a) Three-day UGC National Seminar on “Sites of Resistance: Theory and Praxis” conducted by SSUS Kalady, December 2015.</p> <p>b) Two day National Seminar on “Mapping India through Literature” conducted by Government College, Nattakom, 2015.</p> <p>c) Three day National Seminar on “Thakkol Vakkukal” conducted by UC College, Aluva, 2016.</p> <p>d) Two day national seminar conducted by the Department of English, Sacred Heart College, Thevara.</p> <p>e) Two Day Workshop on “Electronic Media” conducted by University College, Trivandrum On 4 and 5<sup>th</sup> January.</p>
6. Maya S	MA, BEd, NET	a) Attended National Seminar on Canadian Studies conducted by Institute of English, Trivandrum on 2009
7. Ms T S Sinimol (Guest Lecturer)	MA	
8. Nikhil Nair	MA,BEd,	

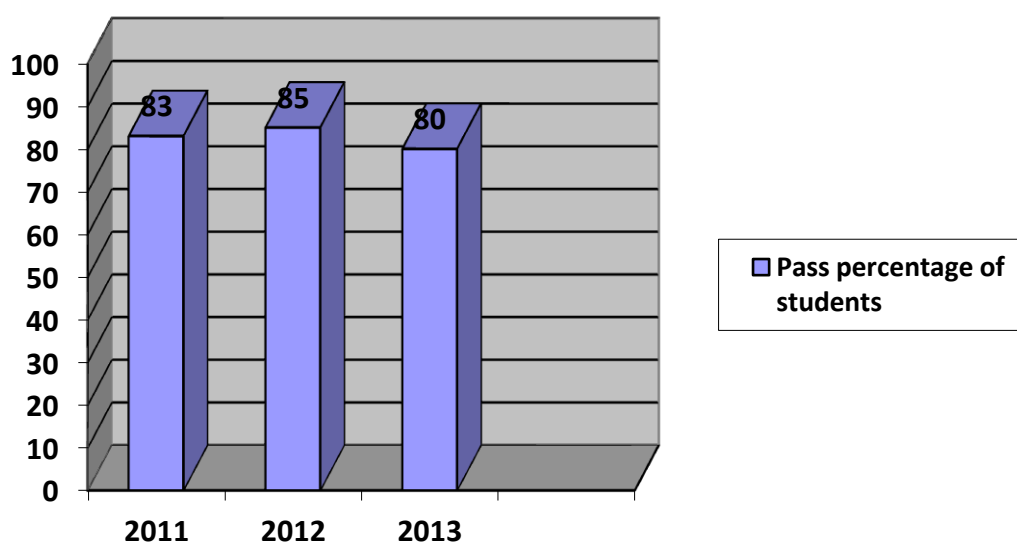
English language and literature is one of the most sought after courses in NSS College Cherthala. On an average, 350 to 400 applicants are sold every year from the department. Of

the students admitted in 2013-14, female students form a major share occupying 65.85% of the total strength. 63.41% of the students enjoy fee concession.

### **COMMUNITYWISE BREAK-UP OF STUDENTS**



### **Pass Percentage of Students during the past three years (2010-11, 2011-12, and 2012-13)**



### **Details of infrastructure**

The Department has under it 2 class rooms and a project/ reading room with 10 fully functional computers. Internet facility is available via LAN and there are two television sets with cable connection which are used by students as supplementary aids for their 'Informatics' and 'Film Studies' courses as well as for accessing knowledge enhancing and career oriented programmes.

### Department Strategies

- Teaching is supplemented by seminars, group discussions, projects, peer teaching etc. conducted by students.
- Illustrate literary works like those of Shakespearean plays through multimedia.
- Effective tutorial system to streamline the sensibility of the students and Career counseling and awareness programme.
- Periodic evaluation of the student performance.
- Motivation and guidance for advanced learners.
- Remedial measures for slow learners.

### Endowments

- Prof. B Vijayakrishnan Endowment, for student who secures the highest mark in II DC English (part-1) Paper in the college.
- Prof. Oachira Radhakrishnan Endowment, for student who secures the highest mark in Final BA English in the college.
- Vattachira Gopinathan Nair Memorial Endowment, for student securing first rank in BA English in the college and instituted by Smt Maya V S(1981-84) batch English.
- Thekke Chakkanattu Yasodhamma Memorial Endowment, for the best student of Second year BA (English) in college and instituted by Prof. Yasoda Girija, Former HOD, English
- Karikattu Chellamma Memorial Endowment, for student securing the highest mark in BA/BSc English (Part-1) in college and instituted by Prof K N Devadas, former HOD, English

### WEAKNESS

Lack of sufficient number of permanent class rooms and a department library as well as the absence of amenities like fans and furniture in classrooms form hurdles in the smooth functioning of the department.

### OPPORTUNITIES

With the introduction of Smart classrooms, a fully functional language and multimedia lab and video conference facilities, it is expected that the Department would be taken to higher levels of e-friendliness and also be converted into an active research centre. Once this is made possible, it will be a short step away to aspire for PG Courses as well as the

provision of career-oriented diploma courses for interested students from within and without the institution.

### CHALLENGES

The remoteness of the college in terms of location, the lack of hostel and sufficient infrastructural facilities and problems associated with the provision of drinking water pose challenges to the institution in general as well as for the Department.



## Department of Malayalam

1. Name of the department: Departement of Malayalam
2. Year of Establishment: Department flourished by 1968, when the college was upgraded. In 1998, the BA degree course in Malayalam started
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : U.G (B A Malayalam)
4. Names of Interdisciplinary courses and the departments/units involved:
5. Annual/ semester/choice based credit system (programme wise):
6. Participation of the department in the courses offered by other departments: Malayalam is a second language for all courses offered by other departments of the college.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: No
8. Details of courses/programmes discontinued (if any) with reasons
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors	1	1
Asst. Professors	4	4

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 4 years
Dr. B Sreekumar	MA, Mphil, Ph.D	Associate Professors	Kerala culture	28	00

Dr. Geetha G nair	MA, Ph.D	Asst. Prof.	Modern poetry	9	
Dr. Renuka N	M A Ph.D	Asst. Prof	Short Story	6.5	00
Dr. Atheena M. N.	MA, M.Phil., Ph.D.	Asst. Prof.	Poetry	6	
Dr. Jayakumar K. P.	MA, M.Phil., Ph.D.	Asst. Prof.	Film studies, Media, Kerala Culture	1.5	

11. List of senior visiting faculty: Nil

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

13. Student -Teacher Ratio (programme wise):

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

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

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 3

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Yes, 3

18. Research Centre /facility recognized by the university: nil

19. Publications:

1. \* a) Publication per faculty :

Dr. Geetha G nair

- Mazhapeyyunnu maddalam kottunnu- kadammanittayude kaiyoppu-benjamin baily foundation- vol.5, lakkam-3, sep.december 2012.

Dr. Renuka N

1. Soochakagalude tarapadham- 2005- sahityalokam-kerala sahitya academy publication.

2. • Autobiographical mode and malayalee women- 2006- lochanam,the malayalam research journal, sb college,changanassery.
3. • Muhammed rafi:sangeetha kalathinte adhipan- 2008december-vijnanakairali,kerala state language institutepublication.
4. • Idiminnal pookkunna tantrikal-a tribute to the indian violinist kunnakkudi.r.vaidyanaadhan- 2008 april-july-keli- kerala sangeetha nataka academy publication.
5. • Kara kaanatha mahavanangalil- 2009april – grandhalokam-kerala state library council publication.
6. • Midhyaaroopam kanunnoo nee-2010 september- grandhalokam-keralastate library council publication.
7. Chuvannaveyilshilpam- 2011july- grandhalokam-kerala state library council publication
8. • Fictionalityin literary historiography-research paper-2011-january-book 3/issue 1. Research journal u.c. college aluva.
9. • Post modern poetry:structure and sensibility-2012-vol05-/no.1-malayalam research journal,cms college kottayam.
10. • Carnatakasangeetacharitram-2012-malayalam research journalsb college,changanassery.
11. • Njanapeeda punarvayana,o.n.v.kuruppu-2012- research journal-cluster of colleges-maharaja's college ernakulam.
12. • A memoir - begum akthar-queen of gazals..2014-april may-keli,the official journal of kerala sangeetha nataka academi.
13. • Teerppukalillatha sangeetha jeevitham- article on pandit kumar gandharva-hindustani musician.2014-june-july-keli,the official journal of kerala sangeetha nataka academi.
14. • Layakari-article on ustad bade gulam alikhan-2015-keli, the official journal of kerala sangeetha nataka academi.
15. • Visham padarnna vrindavanam allengil anaswarayaya vidhava,2015-keli-the official journal of kerala sangeetha nataka academy.

16. • Kozhikodu abdulkhader ritubhedangalariyatha sadirukal,coverstory,keli- 2015 august,the official journal of kerala sangeetha nataka academy
17. • Malkowns: iruttil padarunna sangeetam,keli-2016 february, the official journal of kerala sangeetha nataka academy
18. • M.s baburaj,ajnatadweepilninnumethiya arayannam,cover story,keli,2016 april, the official journal of kerala sangeetha nataka academy
19. Ottakkambinadam matram moolum veenanadam,keli-2016 june-july, , the official journal of kerala sangeetha nataka academy

Dr. Atheena M N:

1. Article (Vaidarbhiyum Vailoppilly Kavithayum) – Kavanakaumudi. Feb-Apr 2013
  2. • Article (Manninte Navarasangal Thottarinju) – Spice India. Jan 2013.
  3. • Book review – “Indubalyude Kadhakal” Mukthi Parvam by Indubala in Kavanakaumudi. Nov-Dec 2012
  4. • Book review – “Mizhikkum Mozhikkum Edayil” Kadalilpeytha Mazha Parayunnathu by N Arun in Kavanakaumudi. Nov-Dec 2012
  5. • Article (Alankara kalpanakal Kudiyozhikkalil) – Sahityalokam. May-Jun 2010
  6. • Article (Kudiyozhikalile Aasayasamgharsham) – Vijnanakairali. July 2010
  7. Article (Kudiyozhikkal Oru Khandakayam) – Vijnanakairali. January 2010
  8. Article (Dhwani Rasabhavadikal Kudiyozhikalil) – Grandhalokam. Jan 2010
- Chakravalam.November 2010.

9. Book review – “Akatttekku Thurakkunna Vathil” V Vijayan, Daivasandaramaya Kattu by K P Ramesh in Sahitya

Dr. Jayakumar K P

1. Muthuvan: gothra geevithavum samskaravum, sahithyalokam. ISSN 2319-3263. August 2015
2. Hirange: Aparadesathinte Bhupadam. Granthalokam. August 2015

3. Gothrakala: Mannakkoothum Chilappathikaravum. Vijnanakairali, . ISSN 2319-1051. Julai 2015
4. Adthinivesathinte chayapadangal. Malayalam Research journal. Vol-7, No.3, ISSN 0975-1984. December 2014
5. Rashtreeya cinemayum Cinemayude Rashtreeyavum Malayalam Research journal. Vol-4, No.1, ISSN 0975-1984

\* Number of papers published in peer reviewed journals (national / international) by faculty and students: 85

\* Number of publications listed in International Database (For

Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

\* Monographs

\* Chapter in Books:

Dr. Jayakumar K P

1. Wounded Animal writes its history: Portraits of Colonialism (Study on Colonial Photography). Subaltern Speak: Dalit Representation in Malayalam. ISBN -978-93-5258-283-9.
2. .Murichu Mattiya chumbanam moodikkettiya thala. Facebook Navamalalayathinte cyber manifesto. Kairali books , Kannur, 2016. ISBN 93p49726-03-1.
3. Kuzhamariyunna kavyasandharbhangal. Kazhchayude Pakarnnattangal: P Balachandran nadakavum Cinemayum. Papyrus Book. Kottayam ISBN 978-81-9228
4. Pattinte aathmavum Sareeravum. A R Rahman Sangeetha Vismayam. Olive Books, Kozhikode.

ISBN 81-87474-55-6

\* Books Edited:

Dr. Jayakumar K P :

1. AA chuvanna kalathinte Ormakku. Dc Books Kottayam. ISBN 978-81-264-2261-6

\* Books with ISBN/ISSN numbers with details of publishers:

Dr. Renuka. N:

1. SOOCHAKANGALUDE THARAPADHAM-2005-POST MODERN CRITICISM IN MALAYALAM-KAIRALI BOOKS,KANNUR.
2. STREENATYAKALA NANGIARKOOTHU-CLASSICAL THEATRE-2011-KERALA BHASHA INSTITUTE..TVM
3. BEATLES: DAIVATHODULLA KALAHANGAL-2013-FABIAN BOOKS
4. THUKKARAM-INDIAN SPIRITUALITY-UNDER PRINTING

Dr. Jayakumar K P .

1. Cast system and Malayalm film(Film Study). Olive Books. Kozhikode. 2014, ISBN 978-93-83756-69-8
2. The Body Markings of Memory: The ways of presenting Revolutionary Past in Malayalam Cinema –Study.(Film Study) Mathrubhumi Books. Kozhikode. 2011, ISBN 978-81-8265-075-6
3. The Way to the Forest (Novel). D.C Books. Kottayam. 2011, ISBN 978-81-264-3240-0

\* Citation Index

\* SNIP

\* SJR

\* Impact factor

\* h-index

20. Areas of consultancy and income generated 21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Dr. Renuka N, Editorial member, College Teacher

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme 100

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies. Nil

23. Awards / Recognitions received by faculty and students:

Dr. N Renuka.

1. Durgadutta Puraskaram 2014

Dr. K P Jayakumar

1. Kerala State Film Award, 2009 for the best film based article

2. Kerala State Film Award, 2007 for the best film based article

24. List of eminent academicians and scientists / visitors to the department

1. Chunakkara Ramankutty Poet

2. Dr. Vidhu Narayanan

3. Dr. S Ajayakumar

4. Prof. P Balachandran

5. Dr. N Ajayakumar

6. Dr. K S Ravikumar

7. K V Dayal

8. Kureepuzha Sreekumar

9. Dr. Nedumudi Harikumar

25. Seminars/ Conferences/Workshops organized & the source of funding a) National

b) International

26. Student profile programme/course wise:

27. Diversity of Students:

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

30. Details of Infrastructural facilities a) Library : General Library

b) Internet facilities for Staff & Students: Yes

c) Class rooms with ICT facility: No

d) Laboratories: No

31. Number of students receiving financial assistance from college, university, government or other agencies:

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Lecture Series:

1. Chunakkara Ramankutty Poet
2. Dr. Vidhu Narayanan
3. Dr. S Ajayakumar
4. Prof. P Balachandran
5. Dr. N Ajayakumar
6. Dr. K S Ravikumar
7. K V Dayal
8. Kureepuzha Sreekumar
9. Dr. Nedumudi Harikumar

33. Teaching methods adopted to improve student learning:

34. Participation in Institutional Social Responsibility (ISR) and Extension activities 35.

SWOC analysis of the department and Future plans.



***Other Oriental Languages: Department of Hindi (Annex)***

1. Name of the department: Hindi
2. Year of Establishment: Department flourished by 1968, when the college was upgraded.
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : Teaching additional language for BA BSc. And BCom.
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise): Choice based credit system
6. Participation of the department in the courses offered by other departments: Hindi is a second language for all courses offered by other departments of the college.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: No
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors	0	0
Asst. Professors	1	1

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 4 years

Dr. B Amalakumary	MA, BEd, Ph.D	Assistant Professors	Drama and Translation	7.6	0
Miss S. Sindu	MA, M.Phil	GuestFaculty	Translation	15	0

11. List of senior visiting faculty: Nil

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

13. Student -Teacher Ratio (programme wise):

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: Ph.D: 1

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

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

18. Research Centre /facility recognized by the university: Nil

19. Publications: Nil

\* Citation Index

\* SNIP

\* SJR

\* Impact factor

\* h-index

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies. Nil

23. Awards / Recognitions received by faculty and students:

24. List of eminent academicians and scientists / visitors to the department

25. Seminars/ Conferences/Workshops organized & the source of funding a) National

b) International

26. Student profile programme/course wise:

27. Diversity of Students:

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

30. Details of Infrastructural facilities a) Library : General Library

b) Internet facilities for Staff & Students: Yes

c) Class rooms with ICT facility: No

d) Laboratories: No

31. Number of students receiving financial assistance from college, university, government or other agencies:

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Lecture Series:

1. Dr S. Sanjayan, SD College, Alappuzha.

33. Teaching methods adopted to improve student learning:

34. Participation in Institutional Social Responsibility (ISR) and Extension activities 35. SWOC analysis of the department and Future plans.

The department is planning to establish B.A. Hindi Department.

***Other Oriental Languages: Department of Sanskrit (Annex)***

1. Name of the department: Sanskrit
2. Year of Establishment: Department flourished by 1968, when the college was upgraded.
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : Teaching additional language for BA BSc. And BCom.
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise): Choice based credit system
6. Participation of the department in the courses offered by other departments: Sanskrit is a second language for all courses offered by other departments of the college.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: No
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors	0	0
Asst. Professors	1	1

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 4 years
Dr. N. Monikandan	MA, MPhil, Ph.D	Assistant Professors	Sanskrit-Nyaya	4.5	0

11. List of senior visiting faculty: Nil

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

13. Student -Teacher Ratio (programme wise):

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: Ph.D: 1

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

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

18. Research Centre /facility recognized by the university: Nil

19. Publications: Nil

\* Citation Index

\* SNIP

\* SJR

\* Impact factor

\* h-index

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies. Nil
23. Awards / Recognitions received by faculty and students:
24. List of eminent academicians and scientists / visitors to the department
25. Seminars/ Conferences/Workshops organized & the source of funding a) National
- b) International
26. Student profile programme/course wise:
27. Diversity of Students:
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
29. Student progression
30. Details of Infrastructural facilities a) Library : General Library
- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: No
- d) Laboratories: No
31. Number of students receiving financial assistance from college, university, government or other agencies:
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:
- Lecture Series:
33. Teaching methods adopted to improve student learning:
34. Participation in Institutional Social Responsibility (ISR) and Extension activities 35. SWOC analysis of the department and Future plans.

### Department of Mathematics

1. Name of the department : Mathematics
2. Year of Establishment : 1968
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG, PG
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise) :  
UG- CBCSS,  
PG- Semester
6. Participation of the department in the courses offered by other departments:  
Complementary maths for physics main and Chemistry Main  
Open course to 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: NIL
9. Number of Teaching posts

	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	2	2
Asst. Professors	7	5

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 4 years
T S Sreedevi Amma	M.Sc, M.Phil Mathematics	Associate Professor	Pure Mathematics	33	0
N. P. Krishnan Kutty	M.Sc, M.Phil Mathematics	Associate Professor	Pure Mathematics	28	0
V. Divya( on FIP)	M.Sc, M.Phil, NET Mathematics	Assistant Professor	Stochastic Process	7	0
K. S. Sreeraj	M.Sc, M.Phil, NET Mathematics	Assistant Professor	Graph Theory	3	0
A. G. Vijayakumar	M.Sc, NET Mathematics	Assistant Professor	Pure Mathematics	3	0
S.B. Sreeja	M.Sc, M.Phil, NET	Assistant Professor	Pure Mathematics	3	0
Dr. Dilip Kumar	M.Sc, BEd, SET, PhD Mathematics PGDCA	Assistant Professor	Special functions of Mathematical Physics	1	0
P.S. Amal	M.Sc Mathematics	FIP Substitute	Pure Mathematics	6 months	0
P.S Anju(Temporary)	M.Sc Mathematics	Guest Faculty	Pure Mathematics	6 months	0
Anju Haridas	M.Sc Mathematics	PTA Guest Faculty	Pure Mathematics	6 months	0

11. List of senior visiting faculty :

Prof M.A. Pathan, Aligarh Muslim University , Aligarh

Prof A Vijayakumar, CUSAT, Cochin

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 33.3(UG), 11.1(PG)

13. Student -Teacher Ratio (programme wise):

UG: 39:1



PG: 7:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Not Applicable

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

Faculty with PhD: 1

Faculty with Mphil: 5

Faculty with PG: 9

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 1

Science Popularization Programme of KSCSTE worth Rs 2,30,000 for Dr Dilip Kumar (March 2017- Ongoing)

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

18. Research Centre /facility recognized by the University: Nil

19. Publications:

\* a) Publication per faculty

Dr Dilip Kumar: 20

Dr J Suresh Kumar: 16

\* Number of papers published in peer reviewed journals (national / international) by faculty and students

For Faculty: 20

For Students: Nil

\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 7

\* Monographs: Nil

\* Chapter in Books: Nil

- \* Books Edited: 1
- \* Books with ISBN/ISSN numbers with details of publishers: Nil
- \* Citation Index: 34
- \* SNIP
- \* SJR
- \* Impact factor: 10
- \* h-index: 3

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

#### National Committees

Dr Dilip Kumar:

- Life member of the Indian Society for Technical Education from 1st January 2016.
- Life member of the Kerala Mathematical Association from 23 March 2012.
- Life member of the Society for Special Functions & Applications from 30 July 2011.
- Life member of the Indian Mathematical Society from 28 December 2009.
- Life member of Gwalior Academy of Mathematical Sciences from 17 July 2009.
- Life member of Indian Science Congress Association from 2 January 2009.

International Committees

Dr Dilip Kumar:

- Reviewer of American Mathematical Society
- Affiliate Member of London Mathematical Society
- Affiliate Member of American Mathematical Society
- Associate of Committee on Space Research

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: All Students have compulsory project every year.(100% for Both UG and PG)

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

### 23. Awards / Recognitions received by faculty and students

Dr Dilip Kumar (Faculty)

- i. Best Performing Faculty Award for the year 2014-2015 from Amal Jyothi College of Engineering, Kanjirapally, Kerala, India.
- ii. Young Scientist Award for the year 2012 in the Mathematical Sciences section of the Indian Science Congress Association (Selected on the basis of the publications and the presentation held at KIIT University, Bhubaneswar, Orissa from 13 to 14 October 2011).
- iii. A.K. Agarwal Prize for the best publication for the year 2010-2011 for the paper titled “P-transforms” at the International Conference on Special Functions and their Applications (ICSFA-2011) & Symposium on Works of Ramanujan held at Jai Narayan Vyas University Jodhpur, Rajasthan, India from July 28 to 30, 2011.
- iv. IMS Prize for the year 2010 for presenting the best research paper in the area of Astrophysics at the 76th Annual Conference of the Indian Mathematical Society held at SVNIT, Surat, Gujarat, India from 27th December to 30th December 2010.
- v. Young Scientist Award for the paper entitled “Applied Analysis and Reaction Rate Theory in Astrophysics” in the Mathematics section of the 11th International Conference of the International Academy of Physical Sciences held at Allahabad University from 20-22 February 2010.
- vi. Second Best Paper presentation Award for the paper entitled “Generalization of Krätzel function using pathway model” in the National Meet of Research Scholars in Mathematical Sciences (NMRSMS 2008) held at IIT Kanpur from 6 to 10 December 2008
- vii. Best paper presentation Award for the paper entitled “An application of generalized special functions to extend reaction rate theory in Astrophysics” in the 12th Annual Conference of Vijnana Parishad of India held at J.N.V University Jodhpur from 25-27 October 2007.
- viii. First prize for Latex training held at the Centre for Mathematical Sciences from 22nd April to 23rd May 2007.

Divya V (Faculty)

- i. First rank in B.Sc Mathematics
- ii. Second rank in M.Sc Mathematics

24. List of eminent academicians and scientists / visitors to the department

: Prof M.A. Pathan, Aligarh Muslim University , Aligarh

Prof A Vijayakumar, CUSAT, Cochin

Prof Sunil C Mathew, ST Thomas College, Pala

25. Seminars/ Conferences/Workshops organized & the source of funding a) National:

One Day Seminar on Number Theory and its Applications on 13-10-2016.

One Day Seminar on Mathematics and its Applications on 10-02-2017

b) International:NIL

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Year	Applications received/ Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc Mathematics	2012-15	University allotment	18	29	82.22
	2013-16	University allotment	18	25	74
	2014-17	University allotment	13	35	Ongoing
	2015-18	University allotment	16	39	Ongoing
	2016-19	University allotment	15	32	Ongoing
M.Sc Mathematics	2012-14	University allotment	2	17	45.45
	2013-15	University allotment	1	11	61.54
	2014-16	University allotment	3	13	29.41
	2015-17	University allotment	4	15	Ongoing
	2016-18	University allotment	2	14	Ongoing

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BSc Mathematics Degree Programme under CBCSS(2016-2019)	100	0	0
MSc Mathematics C&S(2016-2018)	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NET- 1, Defense service-1

## 29. Student progression

Student progression	Against % enrolled
UG to PG	2-5
PG to M.Phil.	0-1
PG to Ph.D.	0-1
Ph.D. to Post-Doctoral	0
Employed	40-50
· Campus selection	Nil
· Other than campus recruitment	5-10
Entrepreneurship/Self-employment	5-10

## 30. Details of Infrastructural facilities

- Library: A library containing 100 books for reference
- Internet facilities for Staff & Students : 2 Systems in the department for both students and teachers
- Class rooms with ICT facility: 1 common unit of ICT for the Department
- Laboratories: One computer lab containing 15 computers with Linux and Windows OS.

31. Number of students receiving financial assistance from college, university, government or other agencies:

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: WWS, SSP, Remedial Teaching

33. Teaching methods adopted to improve student learning: Blackboard, White board and LCD Projector

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

All the teachers are involved in various Institutional and extension activities in the college.

35. SWOC analysis of the department and Future plans

#### Future plans

- Increase the number of class rooms.
- Make each class room ICT Enabled.
- Construct a seminar hall for conducting seminars and workshops
- Increase the number of books and journals in the library and to establish a departmental library
- To make the department a research department.
- Increase the pass percentage of students to 100%

#### SWOC Analysis

##### Strength

1. An excellent cadre of junior faculty who will highly ensure the academic future of the college.
2. Use of technology in teaching.
3. Conducting quiz competitions and national seminars.
4. Imparting remedial coaching for weaker students.
5. Pre-health and pre-law advising programme.
6. Scholarship opportunities and other forms of financial aid.
7. Providing placements through campus recruitments.
8. Motivation to the students of both UG and PG classes to achieve greater goals.

Some of our students are placed in various banks/IT firms through campus recruitment programmes.

1. Chinnu R. (M.Sc student)- South Indian Bank.
2. Akshara R.( B.Sc student)-Federal Bank
3. Anuja T. Remanan(B.Sc student)-Federal Bank
4. Anju M. Nair(B.Sc student)-Federal Bank
5. Rajesh R. Krishnan (B.Sc student)- Federal Bank
6. Jithin Joseph –HCL Chennai

#### Weakness

1. Lack of opportunities for faculty to improve their research activities due to certain restrictions
2. Drop out of good students due to lack of hostel facilities
3. Lap top computers not given to faculty or to students

#### Opportunities

1. Some of the students from our department got admission in various institutions like NIT, IIT , Central Universities etc
2. Students of our department have various job opportunities through career guidance cell.

#### Challenges

1. Lack of better quality students due to the substantial increase of self financing courses and professional courses in nearby institutions.
2. Drop out students due to lack of hostel facilities
3. Drop out of students due to lack of enough transportation facilities

#### Future Plans

- The department is planning to convert the department to a research department in the near future.
- More IT enabled class rooms will be formed in the near future.

- The department is planning to have a seminar hall of its own with modern facilities.

***Other Supporting Department: Department of Statistics (Annex)***

1. Name of the department: Statistics
2. Year of Establishment: Department flourished by 1968, when the college was upgraded.
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : Teaching Statistics for BSc Mathematics Students
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise): Choice based credit system
6. Participation of the department in the courses offered by other departments: Statistics is a complementary subject for BSc Mathematics.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: No
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors	0	0
Asst. Professors	1	0

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 4 years
Anumol KC	M.Sc Statistics	Guest Faculty (Relieved)	Statistics	6 months	0

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil
13. Student -Teacher Ratio (programme wise):
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: Ph.D: 0
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the university: Nil
19. Publications: Nil
  - \* Citation Index
  - \* SNIP
  - \* SJR
  - \* Impact factor
  - \* h-index
20. Areas of consultancy and income generated : Nil
21. Faculty as members in
  - a) National committees b) International Committees c) Editorial Boards.... Nil
22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies. Nil
- 23. Awards / Recognitions received by faculty and students:
- 24. List of eminent academicians and scientists / visitors to the department
- 25. Seminars/ Conferences/Workshops organized & the source of funding a) National
  - b) International
- 26. Student profile programme/course wise:
- 27. Diversity of Students:
- 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
- 29. Student progression
- 30. Details of Infrastructural facilities a) Library : General Library
  - b) Internet facilities for Staff & Students: Yes
  - c) Class rooms with ICT facility: No
  - d) Laboratories: No
- 31. Number of students receiving financial assistance from college, university, government or other agencies:
- 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:
 

Lecture Series:
- 33. Teaching methods adopted to improve student learning:
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities 35. SWOC analysis of the department and Future plans.

### Department of Physics

1	Name of the Department	Physics		
2	Year of Establishment	1964		
3	Names of Programmes / Courses offered	UG	B.Sc. Physics	
4	Names of Interdisciplinary courses and the departments/units involved	Offering open course in the Fifth Semester		
5	Annual/ semester/choice based credit system (programme wise)	Choice Based Course Credit & Semester System (CBCSS)		
6	Participation of the department in the courses offered by other departments:	Students of the fifth semester B.Sc. Physics has a theory paper as open course offered by other Departments.		
	Courses in collaboration with other universities, industries, foreign institutions, etc	NIL		
	Details of courses/programmes discontinued (if any) with reasons	NIL		
7	Number of Teaching posts	Post	Sanctioned	Filled
		Assistant Professors	4	4

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 4 years
Dr. S. Rajesh	Ph.D.	Asst. Professor	Non-linear dynamics	4	NIL
Dr. J. M. Raj	Ph.D.	Asst. Professor	Positron Annihilation	3	NIL
Dr. Rakhi R.	Ph.D., M.Phil.	Asst. Professor	Cosmology	1	NIL
Dr. Vaisakhan Thampi D. S.	Ph.D.	Asst. Professor	Materials Science	1	NIL
Dr. Shijina K.	Ph.D.	Guest Lecturer	Material Science	1	NIL

11. List of senior visiting faculty : NIL

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

Year	Programme	% of Lectures
2014-15	UG	35
2015-16	UG	56.7
2016-17	UG	13.5

13. Student -Teacher Ratio:

Sl. No	Programmes	Ratio
1	UG-Core	25:1
2	UG-Complimentary	40:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sanctioned	Filled
3	3

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

Qualifications	No.
PG	4
MPhil	1
Ph.D	4

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

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

**18. Research Centre /facility recognized by the University: **NIL****

19. Publications:

- Publication per faculty

Name of the Faculty	National/International Publications	Conference Proceedings	Total
Dr. S. Rajesh	7	9	16
Dr. J. M. Raj	16	17	33

Dr. Rakhi R.	7	5	12
Dr. Vaisakhan Thampi D.S.	6	5	11

□

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.

Name of the Faculty	Number of			
	Publications listed in International Database	Monographs	Chapter in Books	Books Edited
Dr. S. Rajesh	7	NIL		
Dr. J. M. Raj	16			
Dr. Rakhi R.	7			
Dr. Vaisakhan Thampi D.S.	6			

- Books with ISBN/ISSN numbers with details of publishers: NIL
- Citation Index/SNIP/ SJR/Impact factor

20. Areas of consultancy and income generated: NIL

21. Faculty as members in: a) National committees b) International Committees c) Editorial Boards....

- Dr. Rakhi R. is an Associate Member in Astronomical Society of India (ASI)
- Dr. Vaisakhan Thampi is a Life Member of Academy of Microscope Science and Technology

## 22. Student projects

a)	Percentage of students who have done in-house projects including inter departmental programme (M.Sc and B.Sc.)	100%
b)	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies	NIL

## 23. Awards / Recognitions received:

By Faculty: NIL

By Students: NIL

## 24. List of eminent academicians and scientists / visitors to the department:

- Dr. K. Indulekha, Professor and Head, School of Applied Physics, MG University

- Dr. Manu Punnen John, Assistant Professor, UC College, Aluva
- Prof. K. Pappootty, Former Director, State Institute of Encyclopedic Publications
- Dr. A. Santhi, Assistant Professor, St. Theresa's college, Ernakulam

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National: NIL

b) International: NIL

26. Student profile programme/course wise: From 2009 onwards admission is online

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			M	F	
2010-13	As per Centralized Admission Process by University of Kerala	35	18	17	63.64
2011-14		37	21	16	57.89
2012-15		35	17	18	42.22
2013-16		29	17	12	36
2014-17		35	18	17	Ongoing
2015-18		35	16	19	Ongoing
2016-19		29	10	19	Ongoing

\*M: Male \*F: Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. Physics	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

**NIL**

29. Student progression

Year (Batch)	UG to PG	UG to any other Professional Course	Employed in Campus Recruitment	Employed in Other than Campus Recruitment	Entrepreneurs / Self Employed
2012-15	10%				
2013-16	10%	NIL			

### 30. Details of Infrastructural facilities

- a) Library: The department library has a good collection of books and journals meant for the Physics core students. The physics core students are much benefited by this library. The books cover the national and international standard and university syllabus, as books for study and reference.
- b) Internet facility: The department is capable of providing wired internet through an Ethernet hub to multiple systems at a time.
- c) Class room with ICT: Classrooms are equipped with ICT facility for enhanced learning experience through the aid of multimedia.
- d) Laboratory: The department owns spacious laboratories well equipped with three computers and an LCD projector. The dark room which is a part of the laboratory is appropriate for spectrometer experiments.

31. Number of students receiving financial assistance from college, university, Government or other agencies:

Year	2012-15	2013-16	2014-17	2015-18	2016-19
UG	23	18	26	30	23

### 32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

Year	Programmes
2016-17	Vikram Sarabhai Memorial Lecture on 8 <sup>th</sup> August 2016 Science Week Celebrations, 20-23, February 2017 Seminar on “Green Fluorescent proteins“

### 33. Teaching methods adopted to improve student learning:

- Entry level tests
- Introduction of ICT techniques like usage of power point presentations
- Effective use of the existing tutorial system to monitor students.
- Ensure one on one sessions with students

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Faculty involve in popular science lectures for both public and students
- Organizing science classes and quiz programs for general public
- Faculty conducts career guidance classes

### 35. SWOC analysis of the department and Future plans

### **Strengths**

- Devoted service of faculty members working as one unit.
- Maximum percentage of teachers with PhD (100%)
- Availability of students with passion for Physics.
- Experienced, resourceful and dedicated faculty members for teaching and guidance
- Research oriented teaching and motivating students for research
- ICT : faculty members with computer expertise, ICT enabled teaching learning methods
- Strength of Teaching and Non- teaching staff (No of published works from department, Academic status of teaching faculty and Technical status including computer literacy of Non teaching faculty)
- Number of students enjoying Fees concessions under various supporting agencies
- Percentage of teachers with Published works
- Library facilities with sufficient numbers of books and research journals.
- Academically motivated students

### **Weaknesses**

- Geographical location of the college, being the northernmost one in the Jurisdiction of the University making communication less efficient.
- Poor socio-economic background of students
- Lack of a PG course
- Lack of research projects

### **Opportunities**

- Equal opportunity in education among students is given in the college in spite of several hurdles.
- Rural area students fail in national level competitive exams because of the lack of awareness and the delay in passing over intimation to the stake holders. Rural area students get little in exploring the opportunity available to them

### **Challenges**

- Students of the lower socio-economic strata
- To give students exposure to state-of-the art ideas and interactions



### **Future Plans**

- ✓ Ensure more number of students to earn admissions to national and international institutions of excellence.
- ✓ Arrange conferences regularly, inviting internationally acclaimed research personalities, which will be good exposure to the students to the different research activities around the world.

### Department of Chemistry

1. Name of the department Dept of Chemistry
2. Year of Establishment 1968
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) B.Sc Chemistry , B.Sc. Envtl. Sci Env. &WM
4. Names of Interdisciplinary courses and the departments/units involved Complementary Chemistry B.Sc. Zoology, B.Sc. Botany B.Sc. Physics B.Sc. Envtl. Science
5. Annual/ semester/choice based credit system (programme wise) CBCSS Credit and Semester System
6. Participation of the department in the courses offered by other departments Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc. NIL
8. Details of courses/programmes discontinued (if any) with reasons nil
9. Number of Teaching posts

	Sanctioned	Filled
Professors	10	9
Associate Professors	5	
Asst. Professors	4	

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 4 years
M.V. Saraswathy	M.Sc, M.Phil	Associate Professor Head	-	29	-
R. L. Renjini	„	Associate Professor	-	28	
Dr. S. Santhi	M.Sc, B.Ed, Ph. D	„	-	28	
S. Mahadevi	M.Sc., M.Phil, B.Ed	„	-	23	
Babu .K. Panicker	M.Sc, M.Phil	„		21	
Dr. Asha Bharathan	M.Sc, Ph.D	Assistant Professor		3.5	
Dr. Sandhya KP	MSc,Ph.D	Assistant Professor		1	
Dr. Praveen. A. K	M.Sc, M.Phil, Ph.D	„		1	
Dr. Praveen N.K	M.Sc, P.h.D	„		1	
Malu Raj	M.Sc, NET	Guest Lecturer		1	
Vacant					

11. List of senior visiting faculty nil

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty 10%

13. Student -Teacher Ratio (programme wise) 16:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled Filled 3

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

P.h.D- 5 M.Phil-6

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

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

18. Research Centre /facility recognized by the University Nil

19. Publications:

\* a) Publication per faculty: Total- 13

\* Number of papers published in peer reviewed journals (national / international) by faculty and students Dr. S. Santhi -3 Dr. Asha Bharathan -3 Dr. A.K. Praveen- 6 Dr. N.K. Praveen -3 Dr. Sandhya K.P -3

\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

\* Monographs

\* Chapter in Books

\* Books Edited

\* Books with ISBN/ISSN numbers with details of publishers

\* Citation Index

\* SNIP

\* SJR

\* Impact factor

\* h-index

20. Areas of consultancy and income generated Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards.... NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies 30%

23. Awards / Recognitions received by faculty and students University first rank in

24. List of eminent academicians and scientists / visitors to the department
25. Seminars/ Conferences/Workshops organized & the source of funding a) National  
b) International
26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc Chemistry	300	33	10	23	76%
B.Sc Env'tl. Sci	200	23	13	10	70%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc Env'tl Sci	96%	4%	Nil
B.Sc. Chemistry	92%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? 2

29. Student progression

Student progression	Against % enrolled
UG to PG	10
PG to M.Phil.	5
PG to Ph.D.	3
Ph.D. to Post-Doctoral	Nil
Employed	
· Campus selection	NIL
· Other than campus recruitment	30%
Entrepreneurship/Self-employment	70%

30. Details of Infrastructural facilities a) Library yes
- b) Internet facilities for Staff & Students for staff only
- ) Class rooms with ICT facility -
- d) Laboratories            one main lab one auxiliary lab one project room
31. Number of students receiving financial assistance from college, university, government or other agencies
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts
33. Teaching methods adopted to improve student : SSP& WWS
34. Participation in Institutional Social Responsibility (ISR) and Extension activities Nil
35. SWOC analysis of the department and Future plans: Applying for PG Course Application for Research dept

## Department of Botany

1. Name of the department : Department of Botany
2. Year of Establishment : 1981
3. Names of Programmes / Courses offered : B.Sc Botany
4. Names of Interdisciplinary courses and the departments/units involved : complementary Botany for Zoology core students.
5. Annual/ semester/choice based credit system (programme wise) : CBCSS
6. Participation of the department in the courses offered by other departments : complementary Botany for Zoology core students.
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	Filled
Professors		
Associate Professors		
Asst. Professors	3	1

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 4 years

Dr. Pramod Kumar N	M.Sc., B.Ed., Ph.D	Asst. Professor & HOD	Taxonomy & Biodiversity Consevation	9	Nil
Renjima V	M.Sc., M.Phil.,B.Ed. SET	Asst. Professor (Guest)	Phytochemistry	4	Nil
Mary Daya E.D	M.Sc., B.Ed. SET	Asst. Professor (Guest)	Phycology	3	Nil
Sarath G. Nair	M.Sc, NET	Asst. Professor (Guest)	Molecular Biology	1	Nil

11. List of senior visiting faculty : Nil

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

13. Student -Teacher Ratio (programme wise) : 1: 11

14. Number of academic support staff (technical) and administrative staff; sanctioned -2 and filled - 1

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

PhD- 1 MPhil-1 PG with NET- 1 Pg- 1

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

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

18. Research Centre /facility recognized by the University : No

19. Publications:

\* a) Publication per faculty

\* Number of papers published in peer reviewed journals (national / international) by faculty and students

\* Number of publications listed in International Database (For



Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- \* Monographs
- \* Chapter in Books
- \* Books Edited
- \* Books with ISBN/ISSN numbers with details of publishers
- \* Citation Index
- \* SNIP
- \* SJR
- \* Impact factor
- \* h-index

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees: Indian association of Angiosperm Taxonomy – Life Member

b) International Committees

c) Editorial Boards: Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme : Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students : Chairman & Examiner of MG University Ph. D Thesis.

24. List of eminent academicians and scientists / visitors to the department: Dr. Brandy M. Sreenilayam (Assistant professor, Department of Chemistry & Biochemistry, The College at Brockport, New York)

25. Seminars/ Conferences/Workshops organized & the source of funding a) National

b) International : One day seminar organized by the Dept.

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc Botany	CAP				

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc Botany first year	34	0	0
B.Sc Botany 2 <sup>nd</sup> year	34	0	0
B.Sc Botany 3 <sup>rd</sup> year	31	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	13%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	

Employed	
· Campus selection	5%
· Other than campus recruitment	10%
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities a) Library : Nil

b) Internet facilities for Staff & Students: Single computer with internet facility

c) Class rooms with ICT facility : Nil, Dept. has 1 LCD projector

d) Laboratories : Single B.Sc LAB

31. Number of students receiving financial assistance from college, university, government or other agencies: financial assistance from Govt. of Kerala (KPCR) –

3rd year B.Sc Students- 29

2nd year B.Sc Students- 28

1st year B.Sc Students-26

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: 1 international seminar on G- protein signaling in plants. , 1 day talk about Conservation Biology.

33. Teaching methods adopted to improve student learning: Remedial Teaching

34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Conservation & rejuvenation of Sacredgrove of nearby areas of the college., Organic vegetable expo from the students farmyard.

35. SWOC analysis of the department and Future plans:

#### DEPARTMENT Profile

The department of Botany came into existence with the introduction of B. Sc (Botany) programme on 1981, with a sanctioned strength of 32 students. Most of the students passing out of the department opt for higher studies and it has a large number of highly placed alumni. The department has a well equipped lab. The department offers one UG course, B. Sc (Botany).

Department Strategies:

- Make courses more value-added by incorporating advanced theory/practical module and imparting it to advanced learners.
- Provide opportunities for meritorious students
- Remedial programmes including peer teaching to slow learners.
- Provide communication skill and computer training to students.
- Give discipline-related career guidance for final year students.
- Provide orientation courses and practical training in the cultivation of mushrooms.
- Provide motivation and training in Cultivation of Medicinal plants
- Provide consultancy services like Mushroom cultivation, Identification and cultivation of Medicinal Plants.

#### Consultancies

1. Provide Technical consultancy in Mushroom Cultivation
2. Identification of Medicinal Plants
3. Cultivation of Medicinal Plants
4. Identification of Indigenous Plants

## Department of Zoology

1. Name of the Department :Department of Zoology
2. Year of Establishment :1981
3. Name of Course offered :B.Sc Zoology
4. Names of Interdisciplinary Courses :Complementary Course for Botany
5. Annual/Semester/Choice based Credit System :CBCSS
6. Courses in collaboration with other universities,  
industries and foreign institutions etc. :Nil
7. Details of Courses/Programmes discontinued(if any)  
With reasons :Nil
8. Number of Teaching posts

Designation	Sanctioned	Filled
Professors	-	-
AssociateProfessors	-	-
Asst.Professors	1	1

9. Faculty profile with name, qualification, designation,s pecialization,  
(D.Sc./D.Litt./Ph.D./M.Phil.etc.,)

Name	Qualification	Designation	Specialization	No.ofYears of Experience	No.ofPh.D.Students guidedforthe last4years
Dr. Lakshmi.G.Nair	M.Sc,NET, Ph.D	Asst. Professor & HOD	Marine Microbiology	3	Nil
Parvathi A.R	M.Sc., NET	Asst. Professor (Guest)	Vertebrate Endocrinology	1	Nil
Beena N.V	M.Sc., B.Ed	Asst. Professor (Guest)	Fisheries and Aquaculture	1	Nil

Anjana Ajayakumar	M.Sc	Asst. Professor (Guest)	Fisheries and Aquaculture Molecular Biology	1	Nil
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10. List of senior visiting faculty : Nil

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

2014 June-2015 June - 10%

2015 June-2016 June - 73.3%

2016 June-2017 June - 73.3%

12. Student-Teacher ratio(programme wise) :1:22

13. Number of academic support staff(technical) and administrative staff:

Sanctioned :2

Filled :1

14. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG

PhD with NET- 1, PG with NET- 1, PG- 2

15. Number of faculty with on going projects from

a) National: Nil

b) International funding agencies and grants received: Nil

16. Departmental projects funded by DST-FIST; UGC, DBT,

ICSSR,etc. and total grants received : Nil

17. Research centre/facility recognized by the University : NA

18. Publications :Nil

a) Publication per faculty

b) Number of papers published in peer reviewed journals(national/international) by faculty and student

c) Number of publications listed in International Database

d) Monograph

e) Chapter in Books

- f) Books Edited
- g) Books with ISBN/ISSN numbers with details of publishers
- h) Citation Index
- i) SNIP
- j) SJR
- k) Impact factor
- l) h-index

19. Areas of consultancy and income generate: **NA**

20. Faculty as members in

- a) National committees : **NA**
- b) International Committees : **NA**
- c) Editorial Boards : **Nil**

21. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **26%**
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: **Nil**

22. Awards / Recognitions received by faculty and students:

Student- 1, First place in Mappilappattu-Female, in Kerala University Youth Festival 2016, held at Chengannur.

23. List of eminent academicians and scientists/visitors to the Department:

- a) Dr. Brandy M. Sreenilayam (Assistant Professor, Department of Chemistry & Biochemistry, The College at Brockport, New York).
- b) Dr. Venu. G Nair (Scientist, Center for Earth Research and Environmental Management (CEREM), Kochi – 36).
- c) Dr. P. SEasa (Former Director, Kerala Forest Research Institute, KFRI, Peechi)
- d) Harikumar Mannar, (Environmentalist, Member, Kottayam Nature Society).

24. Seminars/Conferences/Workshops organized & the source of funding

a) Naonal:**Nil**

b) International :**Nil**

25.Student profile programme/coursewise:

Name of the Course/programme (refer question no.4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.ScI <sup>st</sup> year Zoology			9	22	
B.ScII <sup>nd</sup> year Zoology			5	28	
B.ScIII <sup>rd</sup> year Zoology			6	17	

Name of the Course	% of students from the Same state	% of students from other states	% of students from abroad
<b>B.Sc Zoology first year</b>	<b>100</b>	0	0
<b>B.Sc Zoology 2<sup>nd</sup> year</b>	<b>100</b>	0	0
<b>B.Sc Zoology 3<sup>rd</sup> year</b>	<b>100</b>	0	0

27.How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **Nil**

28.Student progression

Student progression	Against % enrolled
UG to PG	<b>NA (first batch into the final year only)</b>
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	



Employed	
· Campus selection	<b>Nil</b>
· Other than campus recruitment	<b>4%</b>
Entrepreneurship/Self-employment	

29. Details of Infrastructural facilities

- a) Library: Nil
- b) Internet facilities for staff and students: One
- c) Class rooms with ICT facility: Nil
- d) Laboratories: One (B.Sc Lab)

30. Number of students receiving financial assistance from college, university, government or other agencies: Fnce from Govt. of Kerala (KPCR)inancial assist

3<sup>rd</sup> year B. Sc Students (2014 admission) - 17

2<sup>nd</sup> year B. Sc Students (2015 admission) - 30

1<sup>st</sup> year B. Sc Students (2016 admission) - 30

31. Details on student enrichment programmes(special lectures/workshops/seminar) with external experts

1) One day exhibition of a Science Documentary on ‘Global Warming and its impact on climate’ , as part of visual education programmes conducted by CEREM, on the 16<sup>th</sup> of December, 2014.

2) One day seminar on ‘Bird Watch and Bird Count’ (Jointly Organized and Sponsored by Dept. of Zoology, Dept. of Botany & Nature Club ) , on the 10<sup>th</sup> of October, 2015.

3) One day seminar on G- protein signaling in Animals and Plants (Jointly Organized and Sponsored by Dept. of Botany & Dept. of Zoology) , on the 4<sup>th</sup> of August, 2016.

4) Seminar on ‘ Biodiversity-Conservation Challenges’ organized by as a part of Science week-2017 celebrations

32. Teaching methods adopted to improve student learning : **Remedial Teaching**

33.Participation in Institutional Social Responsibility (ISR) and Extension activities

- a) Institutional Social Responsibility (ISR) –A one day visit, interaction and distribution of food by students and faculty with the intimates of old age home, Maithara on the 4<sup>th</sup> of March, 2017.

- b) Extension activities-Conducted Zoology Exhibition-“Natures symphony as part of science week celebrations which was open to the public on the 21 st of February,2017.

34.SWOC analysis of the department and Future plans:

#### Department Profile

The Department of Zoology came into existence in the year 1981 under the Headship of Professor Sasikumar offering Zoology at the complementary level through theory lectures and lab practicals. The Department became full-fledged with the introduction of B.Sc. Zoology Undergraduate Course from 2014 onwards. The Department offers training in Vermiculture and Apiculture to promote self-employment and self- reliance among the educated youth.

#### Department Strategies

- To in still students about the concept and elements of Mother Nature and to propagate the message “***Mother Nature is for all and We are for Mother Nature***”.
- Conduct Knowledge dissemination programmes for the benefit of mankind.
- Provide hands-on-training programmes and conduct study tours to generate deeper interest in the subject and to develop scientific outlook among students .
- Conduct remedial coaching for the upliftment of slow learners.
- Conduct value- based education programmes to mould the students into citizens of better culture and character.

#### Facilities

- Spacious Zoology Dissection Lab.
- Zoological Museum exhibiting Rare Specimens.

#### Faculty wise strength- Teaching

Sl no.	Name	Designation	Qualification	No.of Published papers
1	Dr. Lakshmi G. Nair	Assistant Prof.& HOD	M.Sc, NET, Ph.D	
2	Mrs.Parvathi A.R	Asst. Prof. (Guest)	M.Sc., NET	
3	Ms.Beena N.V	Asst.Prof. (Guest)	M.Sc., B.Ed.	
4	Mrs.Anjana Ajayakumar	Asst. Prof. (Guest)	M.Sc	

### Faculty wise strength- Non-Teaching

Sl	Name	Designation
1	Mrs.S.Ajitha	Laboratory Assistant
2	Vacant	

### Swoc analysis

#### Strength

- Truly dedicated fraternity of teachers working relentlessly for the upliftment of students.
- Conducting tutorials for addressing the grievances from the part of students.
- Gifted with students who are deeply interested in the subject.
- Special classes rendered to slow learners.
- Student participation in extracurricular activities at University level.

#### Weakness

- Difficulty in reaching on time owing to the peculiarity in the location of the college.
- Lack of infrastructural facilities like separate classrooms, department library and an elaborate lab and museum.
- Necessity for smart classrooms.

#### Opportunities

- The college and its location has created an opportunity to reach out and ensure education of socio-economically backward families.
- Tremendous opportunity to bring radical changes in the rural society.

#### Challenges

- To modulate students from lower strata in all aspects to higher strata of society.
- To relieve students from the clutches of distress, alcoholism and other addictions.

#### Future Plans

- Elaborating the Department facilities to the status of a PG and Research Centre.
- Ensure more students to become a part of national and international institutions.

### Department of History

1. Name of the department- HISTORY
2. Year of Establishment- 1968
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)- B.A. HISTORY
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise)→ CBCSS
6. Participation of the department in the courses offered by other departments:  
OPEN COURSE FOR SEM 6
7. Courses in collaboration with other universities, industries, foreign institutions,  
etc.- NIL
8. Details of courses/programmes discontinued (if any) with reasons- NIL
9. Number of Teaching posts- 3 History + 1 Politics

	Sanctioned	Filled
Professors		
Associate Professors		
Asst. Professors	3	2

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Sudha Rajasekhar	MA, B.ED NET	Assistant Professor, HoD in Charge	Indian History	13.5 years	Nil
Dhanya B Nair	MA, B.ED, NET	Assistant Professor		10.5 years	nil
Arunya Mol M S	MA, M.Phil	Guest faculty		1 year	nil

11. List of senior visiting faculty- NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty- 30% APPROXIMATELY

13. Student -Teacher Ratio (programme wise)- 1: 60 APPROXIMATELY

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled- nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.- 0/0/0/0/2

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

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

grants received- NIL

18. Research Centre /facility recognized by the University- NIL

19. Publications:

\* a) Publication per faculty- NIL

\* Number of papers published in peer reviewed journals (national / international) by faculty and students- NIL

\* Number of publications listed in International Database (For

Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)- NIL

- \* Monographs-- NIL
  - \* Chapter in Books-NIL
  - \* Books Edited-NIL
  - \* Books with ISBN/ISSN numbers with details of publishers-NIL
  - \* Citation Index-NIL
  - \* SNIP-NIL
  - \* SJR- NIL
  - \* Impact factor-NIL
  - \* h-index-NIL
20. Areas of consultancy and income generated – NIL
21. Faculty as members in- NIL
- a) National committees b) International Committees c) Editorial Boards....
22. Student projects-
- a) Percentage of students who have done in-house projects including inter departmental/programme
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies- NIL
23. Awards / Recognitions received by faculty and students-NIL
24. List of eminent academicians and scientists / visitors to the department- NIL
25. Seminars/ Conferences/Workshops organized & the source of funding a) National- NIL
- b) International- NIL
26. Student profile programme/course wise:
27. Diversity of Students

<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>
BA History	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?- NIL

29. Student progression

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
· Campus selection	
· Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities a) Library

b) Internet facilities for Staff & Students c) Class rooms with ICT facility

d) Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

33. Teaching methods adopted to improve student learning

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
35. SWOC analysis of the department and Future plans

***Other Supporting Department: Department of Politics (Annex)***

1. Name of the department: Politics
2. Year of Establishment: Department flourished by 1968, when the college was upgraded.
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : Teaching Politics for BA History and BA Economics Students
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise): Choice based credit system
6. Participation of the department in the courses offered by other departments: Politics is a complementary subject for Economics and History
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: No
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors	0	0
Asst. Professors	1	0

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 4 years
P.S. Nisha	M.A Politics	Guest Faculty	Politics	6.5	0

11. List of senior visiting faculty: Nil

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

13. Student -Teacher Ratio (programme wise):

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: Ph.D: 0

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

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

18. Research Centre /facility recognized by the university: Nil

19. Publications: Nil

\* Citation Index

\* SNIP

\* SJR

\* Impact factor

\* h-index

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards.... Nil

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies. Nil
23. Awards / Recognitions received by faculty and students:
24. List of eminent academicians and scientists / visitors to the department
25. Seminars/ Conferences/Workshops organized & the source of funding a) National
- b) International
26. Student profile programme/course wise:
27. Diversity of Students:
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
29. Student progression
30. Details of Infrastructural facilities a) Library : General Library
- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: No
- d) Laboratories: No
31. Number of students receiving financial assistance from college, university, government or other agencies:
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:
- Lecture Series:
33. Teaching methods adopted to improve student learning:
34. Participation in Institutional Social Responsibility (ISR) and Extension activities 35. SWOC analysis of the department and Future plans.

## Department of Economics

1. Name of the department : Economics
2. Year of Establishment : 1968(BA- 1968, MA-1999)
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.)
  - BA Economics
  - MA Economics
4. Names of Interdisciplinary courses and the departments/units involved
  - Open Course: Human Resource Management
  - Other Departments involved: History, English, Malayalam
5. Annual/ semester/choice based credit system (programme wise)
  - UG: Choice Based Credit & Semester System(CBCSS)
  - PG: Credit & Semester system
6. Participation of the department in the courses offered by other departments
  - Commerce - Fundamentals of Financial Accounting
  - English - Communicative Applications in English
  - History - Introduction to Archaeology
  - EVS - Solid Waste Management
  - Mathematics - Operations Research
  - Zoology - Public Health and Hygiene
  - Botany - Mushroom Cultivation
  - Malayalam - Thirakadha Rachana Thathvavum Prayogavum
  - Physics - Astronomy and Astrophysics
  - Physical Education- Health and Physical Fitness
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

	<b>Sanctioned</b>	<b>Filled</b>
Professors	Nil	-
Associate Professors	1	1
Asst. Professors	6	6

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 4 years
Dr N Madhava Menon	MA, MPhil, Phd	Associate Professor	Microeconomics Macroeconomics	28	6
Dr Mini M Nair	MA, Mphil Phd	Assistant Professor	Women Studies	11	Nil
Dr RajiPrasad G V	MA, B.Ed, PhD, NET	Assistant Professor	Health Economics	11	Nil
Smt Sindhuja M	MA, MPhil, NET-JRF	Assistant Professor	Indian Economy, Women Studies	3 years 6 months	Nil
Mr Prasanth K	MA, MPhil NET	Assistant Professor	Quantitative Economics	3 years 6 months	Nil
Smt Amritha Vijai	MA, MPhil NET	Assistant Professor	Microeconomics, Gender Economics	2 years 3months	Nil
Smt Praveena K	MA, NET	Assistant Professor	Welfare Economics, International Economics	4 years 9 months	Nil

Smt Sibina K.K	MA,B.Ed ,NET	Guest Lecturer	Microeconomics	1 year 6 months	Nil
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11. List of senior visiting faculty: Nil

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

13. Student -Teacher Ratio (programme wise)

- UG - 58:1
- PG - 5:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

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

- Ph. D : 3
- MPhil : 3
- PG : 7
- Ongoing Ph D :3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 1

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

SL.NO.	NAME	TITLE OF THE PROJECT	MAJOR/MINOR/OTHER PROJECTS	PERIOD OF THE PROJECT		FUNDING AGENCY UGC/ICSSR	AMOUNT OF FUND
				FROM	TO		
1	Dr.N.Madhava Menon	Coir sector modernization-problems and prospects	MINOR RESEARCH PROJECT	2004	2006	UGC-SWRO	25000
2	Dr.N.Madhava Menon	Changes in the Organization of Production in the Coir Mats Weaving Industry in Kerala and its impact	MINOR RESEARCH PROJECT	2009	2011	UGC-SWRO	70000
3	Dr.G.V.Raji Prasad	Ergonomics of Agricultural Working Women in Elevancherry	MINOR RESEARCH PROJECT	2009	2011	UGC-SWRO	70000

		Panchayat in Palakkad district.					
4	Shalini V	Socio Economic Impact of Old Age homes and their Investment Potentiality	MINOR RESEARCH PROJECT	2009	2012	UGC	75000
5	Remyakrishnan.R	An Evaluative Study on the Effectiveness of National Rural Financial Inclusion Plan (NRFIP) with reference to Alappuzha district in Kerala	MINOR RESEARCH PROJECT	2013	2015	UGC-SWRO	100000
6	Dr. Raji Prasad G. V.	Cost-Benefit Analysis of Hazardous Economic Activities and Natural Resource exploitation: Impacts of local self-governments	RESEARCH PROJECT	2015	Ongoing	World Bank	300000
7	Sreelekshmi S	Gender Budgeting in Grama Panchayats: A case study of women component Plan of Grama Panchayats in Thiruvananthapuram District	MINOR RESEARCH PROJECT	2016	Ongoing	UGC	45000

18. Research Centre /facility recognized by the University: Nil

19. Publications:

\* a) Publication per faculty

○ Dr N Madhava Menon	:	9
○ Dr Mini M Nair	:	1
○ Dr G.V. Raji Prasad	:	5
○ Prasanth K	:	2
○ Sindhuja M.	:	1
○ Smt Praveena K	:	5

\* Number of papers published in peer reviewed journals (national / international) by faculty and students

Name of Faculty	International /National Journals	Monographs	Chapter in Books	Books
Dr N Madhava Menon	6	-	3	
Dr Mini M Nair	1	-	-	-
Dr G V Raji Prasad	4	-	1	-
Sindhuja M	1	-	-	-
Prasanth K		-	2	-
Praveena K	1		1	2

\* Number of publications listed in International Database (For

Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

\* Monographs

\* Chapter in Books

\* Books Edited

\* Books with ISBN/ISSN numbers with details of publishers

\* Citation Index

\* SNIP

\* SJR

\* Impact factor

\* h-index

20. Areas of consultancy and income generated      21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:      100 %

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies      :      Nil

23. Awards / Recognitions received by faculty and students

- Best NSS Programme Officer : Dr. N. Madhava Menon

24. List of eminent academicians and scientists / visitors to the department

- Dr G Karunakaran Pillai, Former HoD, Dept of Economics, University of Kerala & Professor Emeritus, UGC
- Prof Iyyam Pillai, Professor, Dept of Economics, Bharathidasan University
- Prof K Geetha, Former HoD, Dept of Economics, NSS College, Cherthala
- Dr S Muraleedharan, Former HoD, Dept of Economics, Maharaja's College, Ernakulam
- Prof G Radhakrishnan Nair, Former HoD, Dept of Economics, NSS College, Cherthala
- Dr P Rajendran Nair, Principal, UIT, Mannar
- Prof (Dr) P.S. Mohanakumar, DC School of Management, Trivandrum
- Dr S Harikumar, Professor, Dept of Applied Economics, CUSAT
- Prof K. N. Devadas, Chairman, Gandhi Smaraka Grama Seva Kendram, Cherthala
- Dr Visakha Varma, retired Professor, Panampilly Memorial Government College, Chalakkudy
- Sri B. Sreekumar, Chief Manager, SBT, Cherthala

25. Seminars/ Conferences/Workshops organized & the source of funding a) National: 1(UGC Funded)

b) International: Nil

26. Student profile programme/course wise:

Name of the Course/programme BA ECONOMICS	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2010-13	Centralized allotment	52	14	38	60.87
2011-14	Centralized allotment	50	18	32	58.93
2012-15	Centralized allotment	61	30	31	51.67
2013-16	Centralized allotment	58	23	35	44.44



2014-17	Centralized allotment	63	20	38	Ongoing
2015-18	Centralized allotment	63	21	42	Ongoing
2016-19	Centralized allotment	57	17	40	Ongoing

Name of the Course/programme MA ECONOMICS	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2010-12	Centralized allotment	9	4	5	27.27
2011-13	Centralized allotment	6	0	6	16.67
2012-14	Centralized allotment	14	0	14	68.42
2013-15	Centralized allotment	11	1	10	27.27
2014-16	Centralized allotment	10	0	10	62.5
2015-17	Centralized allotment	12	1	11	Ongoing
2016-18	Centralized allotment	7	1	6	Ongoing

## 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA Economics	100	Nil	Nil
MA Economics	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

- NET- 3

## 29. Student progression

Student progression	Against % enrolled
UG to PG	
2012	19.60
2013	20
2014	13.46
2015	6.55
2016	3.45
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
· Campus selection	-
· Other than campus recruitment	
Entrepreneurship/Self-employment	-

## 30. Details of Infrastructural facilities a) Library: Nil

b) Internet facilities for Staff & Students: Internet facility is available in the department which is used actively for the benefit of the students

c) Class rooms with ICT facility: Nil

d) Laboratories: Nil

31. Number of students receiving financial assistance from college, university, government or other agencies

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

33. Teaching methods adopted to improve student learning

- Seminars
- Test Papers
- Assignments
- Learning by questions
- Remedial Teaching

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The department of Economics has conducted the following activities:

- Conducted an awareness class on Family Budget Preparation for ayalkoottam members in Chennam Pallippuram Panchayat
- Conducted a socio economic survey of the households in ward 14 of Chennam Pallippuram Panchayat

### 35. SWOC analysis of the department and Future plans

#### Strengths

- Three PHD holders, 5 M Phil holders among the faculty members.
- Faculty members have national and international publications.
- Faculty members attend seminars, conferences and workshops regularly.
- Faculty serving as resource persons in various seminars and as members in the board of studies.
- Smart classroom facility is available for the department.
- Remedial classes for slow learners.
- Student Support Programmes are undertaken on regular basis.
- Discussion based teaching methods are followed.
- Innovative teaching methods are followed.

#### Weaknesses

- Poor socio economic background of students.
- Poor communication skills of students.
- Majority of the students have low entry marks.

#### Opportunities

Since the college is located in a coastal area, college is able to cater to the educational needs of large number of students from poor financial background. As a department that has both UG and PG programmes, the department of Economics has more scope to contribute to the development of the locality, be it in the form of education or as extension and outreach programmes.

#### Challenges

- Improving the weak communication skills of the students
- Improving the participation rates among students in seminars, workshops and symposiums
- Preparing the students for competitive examinations

#### Future Plans

- To enhance capacity building among faculty by undertaking more research projects
- To organize national and international seminars
- To plan more extension activities
- To undertake activities to support students planning to appear for competitive exams
- To strengthen curricular and extracurricular activities of the department

### Department of Commerce

1. Name of the department : COMMERCE
2. Year of Establishment : 1980
3. Names of Programmes / Courses offered : B.Com and M.Com
4. Names of Interdisciplinary courses and the departments/units involved : Open Course
5. Annual/ semester/choice based credit system:  
 B.Com – CBCSS system  
 M.Com- Semester system
6. Participation of the department in the courses offered by other departments : Open Course
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
8. Details of courses/programmes discontinued (if any) with reasons : NIL
9. Number of Teaching posts

	Sanctioned	Filled
Professors	–	–
Associate Professors	-	1
Asst. Professors	-	3
Part Time Law Lecturer	1	1

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 4 years
A.Krishnamma	M.Com	Asso. Prof.	Finance	27.5	Nil
Sreevidhya S	M.Com, Bed, NET, SET	Asst. Prof.	Finance	4.5	Nil
Sreeja A	M.Com, Bed, NET, SET, MBA	Asst. Prof.	Finance	4.5	Nil
Deepa Divakaran	M.Com, Bed, NET,	Asst. Prof.	Finance	2.5	Nil

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : B.Com : 68%, M.Com : 4%

13. Student -Teacher Ratio (programme wise) B.Com : 1:15, M.Com : 2:15

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :NA

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG : Nil

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

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

18. Research Centre /facility recognized by the University : No

19. Publications:

\* a) Publication per faculty

\* Number of papers published in peer reviewed journals (national / international) by faculty and students

\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

**A.Krishnamma**

- Presented a paper titled “Reforms in the Insurance Sector- A Critical Analysis” in the seminar conducted by our college and published the same in the book with ISBN-978-93-5259-331-1

### **Sreevidhya S.**

- Published a paper on “A study on Rural Postal Life Insurance of Govt. of India” in a seminar proceedings of NSS college Cherthala, bearing ISBN No. 978-93-5259-331-1
- Published on paper on “ How far PMJDY has succeeded in reducing financial untouchability ?” in the seminar proceedings of “National conference on emerging trends in business”
- Published a paper on “A study on the FLCC programme launched by Federal Bank” in International Journal of Research-Granthalayah bearing ISSN-2350-0530(O), ISSN-2394-3629 conducted by VK Krishnan Ezhuthachan Law College
- Published a paper on “A study on young customers’ perception towards E banking in rural area” in a book with ISBN number
- Published a paper on “Postal Life Insurance – a policy with low premium and high bonus” in the ‘ International Journal of Business Intelligence & Innovations’ with ISSN 2348 4705 ,Volume-1, Issue-2 (Oct 2015)

### **Sreeja A.**

- Published Paper titled “a study on corporate governance practices of Aspinwall and company limited in ‘Recent Trends in Corporate Governance (edited Papers)’, by PG Department of Commerce and Research Centre ,S.D. College ,Alapuzha (ISBN 978-93-5254-018-1)
- Published an article titled “A study on the coir Industry In Kerala- Opportunities and challenges” on an edited volume Envisioning the Future: Emerging Trends in Management and Information technology (Vol 1, 11-16. ) ISBN no-978-81-921983-9-2)
- Paper titled testing the effectiveness of multimedia learning package using cartoons for teaching selected topics for higher secondary students in Kollam District Vol III No-1 ,(ISSN-2520-2521)

- An article titled “Total Quality Management in Public Sector Undertakings in Kerala” published on an edited volume Envisioning the Future: Emerging Trends in Management and Information technology Vol 1, 103-107 (ISBN no-978-81-921983-9-2)
- A comparative study on the Performance of Life insurance and Non Life Insurance sector in India “presented in UGC sponsored seminar on “Reforms in Insurance sector in India whether a boon or bane “organized by PG department of commerce cherthala on 15 th July 2015 ‘ communicated, to be publishing in a research publication.
- Paper titled “a study on corporate governance practices of coir board and sustainable development of Coir Industry “ presented in UGC sponsored National seminar on corporate Governance Regulations and practices in India organized by PG department of commerce St,Michaels college cherthala ‘ communicated, to be publishing (ISBN No: 978-81-930603-0-8.)
- “Role of MSME in the rejuvenation of coir Industry” published in a Reseach Scholar vol No-4,Dec 2016, p.232-238 (ISSN-2249-6696)
- “A study on the structure and growth of taxation in India” published in Research lines a peer reviewed interdisciplinary research journal; Vol IX No-2 Dec 2016 ,page171-179 ( ISSN 0975-8941)

### **Deepa Divakaran**

- SHG- Bank linkage programme -A study of its role in finaincal inclusion Indian commerce bulletin ISSN 0972-6187 Vol 13 NO 1 & 2 Dec 2013 Pages: 132-141.
- Currency depreciation - causes and its impact on Indian economy International Journal of Commerce, Business and Management (IJCBM) ISSN 2319-2828 vol 3 NO.1 feb 2014 p64-71.
- The impact of currency depreciation on logistic sector in India International Journal of research in commerce, economics and management ISSN 2231-4245 VOLUME – IV (2014), ISSUE – IV (APRIL)- Page 9-13
- Corporate social responsibility and companies Bill- 2013 Science and society-ISSN 0973-0206
- Carbon Finance Science and society-ISSN 0973-0206



**Vipin Kumar**

- Published a paper on “FDI in insurance sector” in a seminar proceedings of NSS college Cherthala, bearing ISBN No. 978-93-5259-331-1

**Reshma Remesh**

- Published a paper on “Role of kudumbasree’s in human capital development of kerala” in research scholar with ISSN
- A paper titled “ a study on socio economic impact of backwater tourism with special reference to Alappuzha” in mirror with ISSN

**Revathy P. R.**

- A paper titled “performance evaluation of Self Help Groups in Kereala” published in MIRROR with ISSN.
- A paper titled “scope of counter trade in India” published in RESEARCH SCHOLAR with ISSN.

**Parvathy P.**

- A paper titled Role of FDI in Indian agricultural economy published in MIRROR with ISSN.
- A paper titled Green marketing and buying behavior: A study on women consumers of food and beverages with special reference to Trivandrum city published in RESEARCH SCHOLAR with ISSN

**Sharon N.Mani**

- Paper on Micro insurance security for poor with ISBN-978-93-5259-331-1

**Minor Research Project**

Title : A study on the effectiveness of risk mitigation mechanisms of Self  
Help Group in Alappuzha District

Funding agency : UGC

Amount : Rs.70000/-

Duration : two years

- \* Monographs
- \* Chapter in Books
- \* Books Edited
- \* Books with ISBN/ISSN numbers with details of publishers : One

Reforms in Insurance sector whether boon or bane with ISBN number  
978-93-5259-331-1

- \* Citation Index
- \* SNIP
- \* SJR
- \* Impact factor
- \* h-index

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards.... :Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: 100% (Course Projects)

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : Nil

23. Awards / Recognitions received by faculty and students:

Faculty:

1. Sreevidhya S, Asst Prof. of the department got Best Award in a UGC sponsored National Seminar conducted by SD College, Alappuzha

Students:

1. A group of students in S6 B.Com got third place for Best award

24. List of eminent academicians and scientists / visitors to the department:

1. Dr.B.Johnson,, Asso.Prof. and Research Guide, Uty. of Calicut
  2. Justin Padamadan, Clinical Psychologist
  - 3.Dr.Baiju Ramachandran, President, Indian Chamber of Commerce
  - 4.Dr.L.Usha Kumari , Rtd. Prof. and Vice Principal , SD College, Alappuzha
  5. Dr.N. Madava Menon, Asso. Prof & HOD, Dept. of Economics, NSS College, Cherthala
25. Seminars/ Conferences/Workshops organized & the source of funding a) National
- b) International
- C) Organised a state level seminar in association with IIB, Mumbai on “Reforms in Insurance Sector whether a boon or bane”
26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Com	2013-15		32	40	35
	2012-15		20	52	79
	2014-17		30	43	ongoing
	2015-18		25	46	ongoing
	2016-19		13	54	ongoing
M.Com	2013-15		9	16	93.33
	2014-16		-	18	100
	2015-17		4	16	Ongoing
	2016-18		3	14	ongoing

27. Diversity of Students:Nil

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad


28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: One

29. Student progression

Student progression	Against % enrolled
UG to PG	10%
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
· Campus selection	4
· Other than campus recruitment	ASAP :2, Defense : 5
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities a) Library :Nil

b) Internet facilities for Staff & Students : Yes

c) Class rooms with ICT facility : Nil

d) Laboratories : NA

31. Number of students receiving financial assistance from college, university, government or other agencies : 214

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

1. Conducted workshop on Research Methodology by Dr. L.Usha Kumari
2. Conducted an invited talk on Research Methodology by Dr. B.Johnson
3. Conducted two days workshop on Quantitative Technique by Dr. B.Johnson
4. An invited talk on motivation by Justin Padamadan

5. An invited talk on “Building a Personal brand through commerce education” by Dr. Baiju Ramachandran

33. Teaching methods adopted to improve student learning

1. Tutorial system
2. Scholar Support Programme
3. Walk With Scholar
4. Remedial Teaching
5. Students Centered Learning
6. Peer teaching
7. Continuous Assessment

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

1. Mentoring of a financially backward student in collaboration with a charitable trust

35. SWOT analysis of the department and Future plans

SWOC analysis

Strength

1. Constructivism approach in teaching learning process (Providing enough chance to students to construct knowledge and the teacher scaffold the entire learning process)
2. .Mentoring students
3. Motivated faculties
4. Involvement of students in creative works
5. Participative learning ( Both students and teachers are actively participating in the teaching learning process ie. students centered learning)
6. Programs for imparting legal awareness among students
7. Motivates advanced learners to develop skills at a higher level
8. Remedial and peer teaching for slow learners
9. Well equipped computer facility to students

10. Conduct seminar field study industrial visit, invited talks etc. to impart commercial knowledge among students

11. Arranging programs for developing communication skills, soft skills ,personality delopment,personal counseling etc.

12. Innovating projects among students (All students are undertaking individually participating in the project preparation)

13. Active participation of students in extra curricular activities

14. Motivates students for attending national seminar and quiz programs

15. Periodical assessment of students

16. Conducting workshop for motivating students for carrer oriented courses

17. Self employed students

18. Faculties regularly attending seminars and workshops

#### Weakness

1. Uncontrollable number of students in each class makes personal attention impossible

2. Financial constraints

3. Lack of active involvement of some students in common activities

4. Lack of permanent faculties

5. Lack of industrial connectivity

#### Opportunities

1. Arranging special programs (EDP) for motivating students to undertake self employment and risk.

2. Enabling students to withstand complex situations for livelihood

3. Promoting students to develop soft skills

#### Challenges

1. Drop out of students ( 2.92%)

2. As most of the students are coming from financially backward family they are going for part time job to support their family. It leads to irregular attendance

3. Lack proper family support for students

4. Lack of commitment of students for better future

***Other Supporting Department: Department of Law (Annex)***

1. Name of the department: Law
2. Year of Establishment: 1980
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : Teaching Law for B Com. students
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise): Choice based credit system
6. Participation of the department in the courses offered by other departments: Law is a complementary subject for B Com.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: No
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors	0	0
Part Time Law Lecturer	1	1

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 4 years
Adv. S.Bindu	MA LLM	Part time Law Lecturer	Mercantile Law	8.5	0

11. List of senior visiting faculty: Nil

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

13. Student -Teacher Ratio (programme wise):

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: Ph.D: 0

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

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

18. Research Centre /facility recognized by the university: Nil

19. Publications: Nil

\* Citation Index

\* SNIP

\* SJR

\* Impact factor

\* h-index

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards.... Nil

22. Student projects



- a) Percentage of students who have done in-house projects including inter departmental/programme
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies. Nil
23. Awards / Recognitions received by faculty and students:
24. List of eminent academicians and scientists / visitors to the department
25. Seminars/ Conferences/Workshops organized & the source of funding a) National
- b) International
26. Student profile programme/course wise:
27. Diversity of Students:
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
29. Student progression
30. Details of Infrastructural facilities a) Library : General Library
- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: No
- d) Laboratories: No
31. Number of students receiving financial assistance from college, university, government or other agencies:
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:
- Lecture Series:
33. Teaching methods adopted to improve student learning:
34. Participation in Institutional Social Responsibility (ISR) and Extension activities 35. SWOC analysis of the department and Future plans.



# ANNEXURE

## Annexure 1- Affiliation Certificate



Phone: .0471-2305631  
Fax: +91-471-2307158  
Email: regrku@gmail.com

### UNIVERSITY OF KERALA

Thiruvananthapuram, Kerala, India - 695034

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act of 1974 passed by the Kerala State Legislative Assembly)  
(Re-accredited by NAAC with 'A' Grade)

No.Ac.BII/03/22644/2017.

Dated:03.04.2017.

### CERTIFICATE

This is to certify that the **N.S.S College, Cherthala, Alappuzha** established in the year 1964 is permanently affiliated to University of Kerala offering the following Courses;

	Courses	Intake
<b>BA</b>	English language and Literature	40
	History	50
	Economics	50
	Malayalam	30
<b>BSc</b>	Mathematics	48
	Physics	32
	Chemistry	32
	Environmental Science and Water Management	24
	Botany	32
	Zoology	32
<b>B Com</b>	(Elective – Finance)	60
<b>MA</b>	Economics	12
<b>M.Com</b>		15
<b>M.Sc</b>	Mathematics	15

This certificate is issued to the Principal, N.S.S College, Cherthala, Alappuzha for re-accreditation of the college by NAAC.



  
**REGISTRAR**



## Annexure 2- Certificate of Rural Area

### SECTION - 4 CERTIFICATE

It is certified that the N.S.S. College, Cherthala is affiliated to the University of Kerala and is included under Section 2(f) and 12(B) of the UGC Act and fulfills the eligibility conditions as laid down by the UGC in its Guidelines and is, therefore, eligible to receive financial assistance for development of post-graduate courses as per the UGC norms and the college undertakes to utilize the grants for the purposes for which they are sanctioned and would furnish all necessary documents as required in the conditions of grants by UGC.

It is also certified that the College has the necessary resources and managerial ability to implement the programme to be approved by UGC in accordance with the conditions prescribed. The development programme would help in the improvements of standards of post-graduate education in the College.

Place and date:

Cherthala

11 - 2 - 03

Head of the Department :

PRINCIPAL

N.S.S. COLLEGE, CHERTHALA

Principal of the College:

Director CDC/Registrar  
Of the University :


DIRECTOR

COLLEGE DEVELOPMENT COUNCIL  
UNIVERSITY OF KERALA  
THIRUVANANTHAPURAM





### Annexure 3- Certificate of Accreditation



**राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्**  
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**  
*An Autonomous Institution of the University Grants Commission*

## *Certificate of Accreditation*


---

*The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the*

***N. S. S. College***  
*Cherthala, affiliated to University of Kerala, Kerala as*

***Accredited***  
*at the B<sup>+</sup> level.*

*Date : September 16, 2003*



*Head  
Director*

---

1. This certification is valid for a period of Five years with effect from September 16, 2003.  
2. An institutional score (%) in the range of 55-60 denotes C grade, 60-65 - C<sup>+</sup> grade, 65-70 - C<sup>++</sup> grade, 70-75 - B grade, 75-80 - B<sup>+</sup> grade, 80-85 - B<sup>++</sup> grade, 85-90 - A grade, 90-95 - A<sup>+</sup> grade, 95-100 - A<sup>++</sup> grade: (upper limits exclusive).





## Annexure 4- Grade Certificate

# Quality Profile

Name of the Institution : N.S.S. College  
Place : Cherthala, Kerala

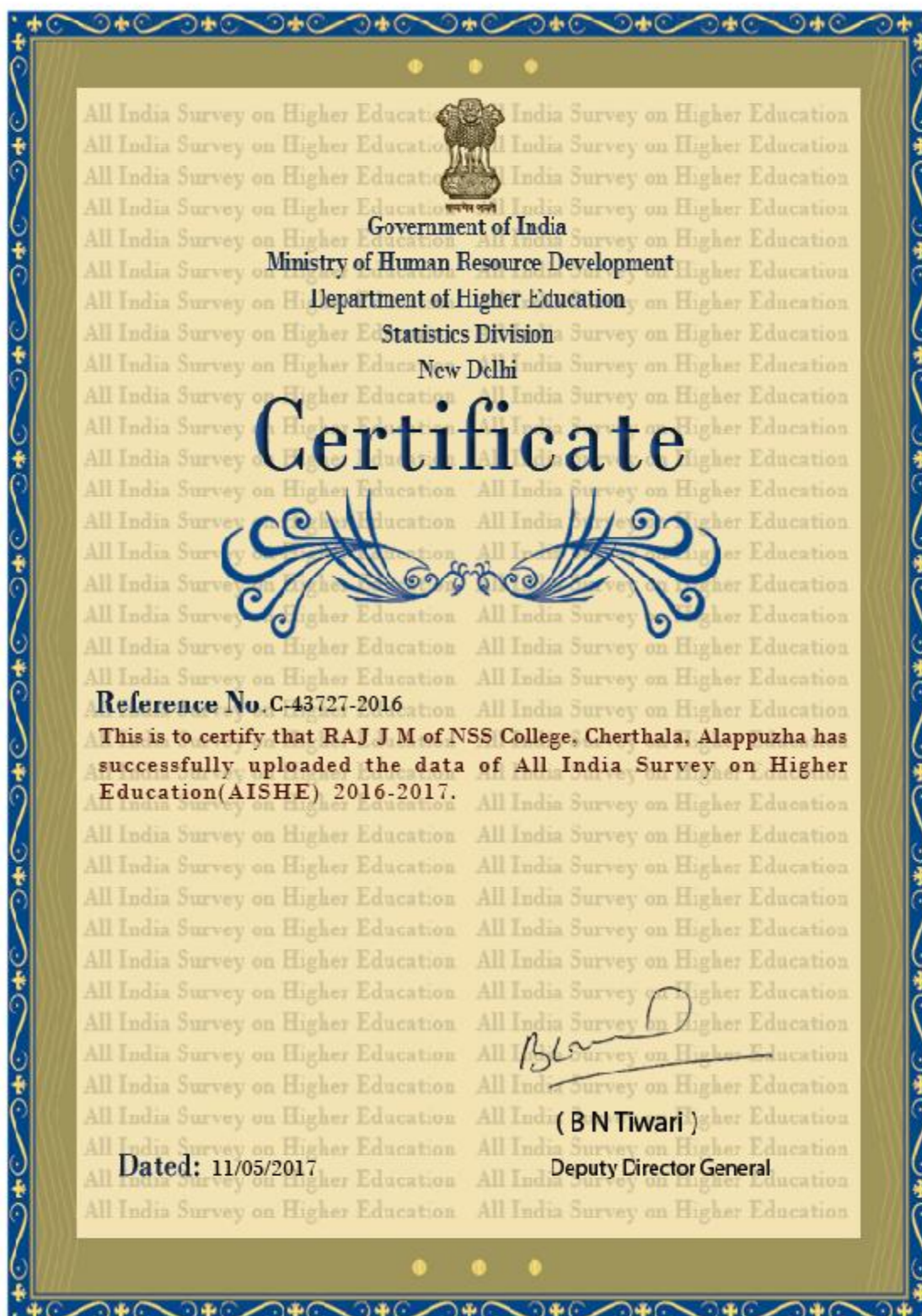
Criterion	Criterion Score (Ci)	Weightage (Wi)	Criterion X Weightage (Ci x Wi)
I. Curricular Aspects	80	10	800
II. Teaching-learning and Evaluation	80	40	3200
III. Research, Consultancy and Extension	60	05	300
IV. Infrastructure and Learning Resources	70	15	1050
V. Student Support and Progression	80	10	800
VI. Organisation and Management	85	10	850
VII. Healthy Practices	80	10	800
		100	$\Sigma C_i W_i = 7800$

$$\text{Institutional Score} = \frac{\Sigma C_i W_i}{\Sigma W_i} = \frac{7800}{100} = 78.00$$

*K. Aravind*  
Director



## Annexure 5- AISHE Certificate







# COMPLIANCE CERTIFICATE



Principal

## N.S.S. COLLEGE, CHERTHALA

Affiliated to University of Kerala

K. R. Puram P. O., Cherthala - 688 541  
Ph: 0478 - 2813226  
0478 - 2815926  
Fax : 91-478 - 2815926  
E-mail: cherthalansscollege@gmail.com

No.

Date: 12-05-2017

### Certificate of Compliance

This is to certify that NSS College, K.R. Puram (PO), Cherthala, Alappuzha (Dist), Kerala 688541 fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 12/05/2017  
Place: Cherthala



Principal/Head of the Institution  
(Name and Signature with Office seal)

Dr. P. JAYASREE  
PRINCIPAL  
N.S.S. COLLEGE,  
CHERTHALA.

"SATVAAT SAMJAYATE JNANAM"  
(Knowledge arises from the Goodness)



# DECLARATION BY THE HEAD OF THE INSTITUTION



**Principal**

## **N.S.S. COLLEGE, CHERTHALA**

**Affiliated to University of Kerala**

K. R. Puram P. O., Cherthala - 688 541  
Ph: 0478 - 2813226  
0478 - 2815926  
Fax : 91-478 - 2815926  
E-mail: cherthalanssclege@gmail.com

No.

Date: 30/03/2017

### **Declaration by the Head of the Institution**

I certify that the data included in this Self Study Report (SSR) are true to the best of my knowledge. This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

Place: Cherthala

Date: 30/03/2017



**Dr. P. Jayasree**

**Principal**  
PRINCIPAL  
N.S.S. COLLEGE,  
CHERTHALA.

**"SATVAAT SAMJAYATE JNANAM"**

*( Knowledge arises from the Goodness )*





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