

# **SELF STUDY REPORT**

2015 - 2017

*Submitted to*

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



**The Zamorin's Guruvayurappan College  
Kozhikode – 673 014.  
Kerala**



## **Preface**

The Zamorin's Guruvayurappan College, Kozhikode is one of the oldest institutions in Kerala which has been imparting quality education to generations of students since 1877. From the noble beginning as Kerala Vidyashala, intended to provide education to the members of the ruling family, the institution has now grown into a college offering 12 UG and 9 PG courses and 5 research centres to tens of thousands of students, over the past 140 years. This year the college goes into the third cycle of NAAC-accreditation, having completed five years after the second accreditation in 2011. During the current accreditation period, the college put in maximum effort and its resources to overcome the limitations mentioned by the NAAC Peer team of the previous cycle. The development and completion of a research facility centre, fully funded by the college management has become a unique feature of the campus. There are three major and four collaborative research projects under research faculties. Ten of the faculty are now recognized research guides. In the sports arena, the students made great achievements in the University, State and National levels, a few of them also got international exposure like training at famous Bocca Juniors, an Argentinean foot ball club, participating in international chess tournament and international shuttle badminton tournament. In the cultural front many of the faculty got laurels including several literary awards and students were able to maintain the third/fourth position in University level arts festivals. Many of the faculty have taken up spearheading roles in the various academic committees at the University, State and National levels, including positions like senate members and chairpersons of boards of studies, member in the faculty of University of Calicut, Working Committee member of the Kerala State Planning Board, member of Review Committee for Central Institute of Indian Languages, National Institute of Open School under MHRD of Union Govt. of India, selection committee member of Nehru Yuva Kendra, Govt of India and Malayalam Advisory Board member, National Book Trust, Govt of India. The college also has Centralised Online Attendance and Progress System (COAPS), which is open to the parents/ students for accessing online. The Supplementary Self Study report based on the NAAC's seven criteria is prepared for the period of 2015-17, succeeding the period of SSR already submitted for the third cycle of NAAC Accreditation (2010-15), with the wholehearted involvement of the stake holders of the institution. The report reflects the efforts of the institution to keep in pace with timely changing progressive trends in the higher education sector and contemporary research arena. The institution is hopeful that the efforts would make the wards competent and equipped to respond to social needs, along with their focussed personal career.



## MISSION

*To provide sufficient nourishment to an individual through the right combination of environmental setting and quality service, in order to rise towards excellence, along with individual efforts.*

### Goal

*Generating and maintaining a conducive environment for holistic development of the wards, energising them to achieve academic and extra-curricular excellence which would enlighten them to play the role of socially responsible individuals.*

### Objectives

- 1. To equip the students with the ability to earn their livelihood.*
- 2. To develop a sense of social responsibility among students.*
- 3. To develop social skills and inculcate values like co-operation, team spirit, discipline, fair play, and inquisitiveness through extracurricular activities.*
- 4. To transmit social heritage through various organizational units.*
- 5. To promote individual qualities such as personal initiatives, accurate thinking, positive attitude, determination, the tenacity to achieve goals, and the overall personality development of the student.*
- 6. To educate the students to respect and to earn respect.*
- 7. To ensure equity in access to education*

## CONTENTS

1	Profile of the Affiliated College	05
2	Executive Summary	13
3	SWOC Analysis of the College	22
4	Criterion – Wise Inputs	
	Criterion I- Curricular Aspects	25
	Criterion II- Teaching –Learning and Evaluation	39
	Criterion III– Research, Consultancy and Extension	67
	Criterion IV- Infrastructure and Learning Resources	112
	Criterion V- Student Support and Progression	126
	Criterion VI- Governance, Leadership and Management	146
	Criterion VII- Innovations and Best Practices	165
5	Evaluative report of the Department	171
7	Declaration by the Head of the Institution	222
8	Enclosures	
I	Certificate of Recognition u/s 2(f) and 12 (B) of the UGC Act	223
II	AISHE Certificate	224

**Profile of the affiliated / Constituent College**

1. Name and Address of the College

Name	The Zamorin's Guruvayurappan College		
Address	P.O. Guruvayurappan College		
City: Calicut	Pin: 673014	State: Kerala	
Website	www.zgcollege.org		

2. For Communication:

Designation	Name	Telephone with STD Code	Mobile/Fax	Email
Principal	Dr. Ramachandran, T.	O:0495-2331046 R: 0495-2355399	9447424599/ 0495-2331046	ramachandranzgc@gmail.com
Vice Principal	NA			
Steering Committee Co-ordinator	Dr. Rajeevan, N.E.	R: 0495 2302704	9447415585	rajeevneclt@gmail.com

3. Status of the Institution:

Affiliated College: ✓

Constituent College:

Any Other (Specify):

4. Type of the Institution:

a. By Gender

i. For Men:

ii. For Women:

iii. Co-education: ✓

b. By Shift

i. Regular: ✓

ii. Day:

iii. Evening:

5. It is a recognized minority institution? No

6. Source of funding:

Government:

Grant-in-aid: ✓

Self-financing:

7. a. Date of establishment of the college: **01-06-1877**
- b. University to which the college is affiliated/: University of Calicut
- c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks
i. 2 (f)*	1956	College has been receiving UGC funds since 1960-61 onwards. (Ref UGC letter No: F.37-320/59(CUP) dated 8 <sup>th</sup> July 1960). The college is included in the list of recognised colleges exhibited in the UGC website.
ii. 12 (B)*	1956	

\* enclosures I

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

Not Applicable

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

**Yes**

9. Is the college recognized

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

b. for its performance by any other governmental agency? **No**

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

Location	Urban
Campus area in sq.mts	372310 sq.mts (92 acres)
Built up area in sq.mts	7861.76 sq.mtrs

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

1.	Auditorium/seminar complex with infrastructural facilities	✓
2	Sports facilities	
	*Playground	✓
	* Swimming Pool	-
	* Gymnasium	✓
3	Hostel	
	*Boys Hostel	-
	*Girls' Hostel	✓
	i Number of hostels	3
	ii Number of inmates	350
	iii Facilities (Mess hall, Study hall, Small play ground, Pad vending machine, Pad disposing machine)	✓
	*Working Women's hostel	-
	*Residential facilities for teaching and non teaching staff	✓
	Principal-1, Dy.Warden-1, Teaching faculty-1	✓
	Non-Teaching Staff-4	✓
4	Cafeteria	✓
5	Health Centre	✓
	* First aid, Emergency Care facility	✓
	Health centre staff	
	▪ Qualified doctor Full time Part-time ✓	
	▪ Qualified Nurse Full time Need based ✓	
6	Facilities like banking, post office, book shops	✓
7	Transport facilities to cater to the needs of students and staff	✓
8	Animal house	-
9	Biological waste disposal	✓
10	Generator or other facility for management/ regulation of electricity and voltage	✓
11	Solid waste management facility	✓
12	Waste water management	✓
13	Water harvesting	✓

## 12. Details of Programmes offered by the College

Sl. No	Programme level	Name of the Programme	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved student strength	No of students admitted
1	Under Graduate	English	3 Years	+2/PUC	English	40	40
		Malayalam/ Sociology	..	..	..	60	60
		Hindi/ History	..	..	..	36	36
		History	..	..	..	60	60
		Economics	..	..	..	60	60
		Commerce	..	..	..	60	60
		Business Administration	..	..	..	40	40
		Mathematics	..	..	..	48	48
		Physics	..	..	..	48	48
		Chemistry	..	..	..	48	48
		Botany	..	..	..	36	36
		Zoology	..	..	..	36	36
2	Post Graduate	English	2 Years	UG-45%	..	20	20
		Malayalam	..	..	..	20	20
		Economics	..	..	..	20	20
		Sociology	..	..	..	20	20
		Mathematics	..	..	..	15	15
		Chemistry	..	..	..	10	10
		Botany	..	..	..	12	12
		Health & Yoga Therapy	..	..	..	20	20
		Commerce	..	..	..	20	20
3	Ph. D.	Economics	3 Years	PG	..	8	7
		Botany	..	..	..	20	6
		Malayalam	..	..	..	12	11
		Chemistry	..	..	..	16	3
		English	..	..	..	6	2
4	Certificate Course	Electrical, Electronics and Instrumentation	1Year		English	40	20

13. Does the college offer self-financed Programmes?

Yes. M.Sc Health and Yoga Therapy

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

Yes		No	✓	Number	-
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15. List of Departments

Faculty	Departments	UG	PG	Research
Science	Mathematics, Physics, Chemistry, Botany, Zoology	5	3	2
Arts	English, Sociology/ Malayalam, Hindi/History, History, Economics	5	4	3
Commerce	Commerce	2	1	
Any Other	Health & Yoga Therapy		1	

\*Departments of Political Science, Statistics and Sanskrit are not offering any core course; function as supporting department to the relevant core course run by other departments.

16. Number of Programmes offered under

- a. Annual System : Nil  
 b. Semester System : 21 (12+9)  
 c. Trimester System : Nil

17. Number of Programmes with

- a. Choice Based Credit System : 21  
 b. Inter/ Multidisciplinary Approach : 02  
 c. Any Other (UGC Sponsored Add-On Course) : 02

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

No

19. Does the college offer UG and/or PG programmes in Physical Education?

No

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

Positions	Teaching Quality						Non teaching staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor		M	F	M	F
	M	F	M	F	M	F				
Sanctioned by UGC/ University/ State Government <i>Recruited</i>	-	-	10	09	18	33	16	4	10	1
<i>Yet to recruit</i>	-	-	-	-	-	-	1	-	3	-
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	-	-	-	-	2	7	2	9	4	2
<i>Yet to recruit</i>	-	-	-	-	12		-	-	-	-

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## 21. Qualifications of the teaching Staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
D.Sc./D.Litt	-	-	-	-	-	-	-
Ph.D.	-	-	4	6	11	8	29
M.Phil	-	-	5		3	4	12
PG	-	-	1	3	4	21	29
<b>Temporary Teachers</b>							
Ph.D.	-	-	-	-	1	1	2
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	2	16	18
<b>Part-time teachers</b>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

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

30

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

Categories	2015-2016		2016-2017	
	Male	Female	Male	Female
<b>UG</b>				
SC	112	136	117	123
ST	31	21	27	36
OBC	309	445	281	456
General	240	341	221	374
Others	-	-	-	-
<b>PG</b>				
SC	12	46	14	49
ST	7	1	10	4
OBC	44	104	36	106
General	40	80	32	82
Others	-	-	-	-

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

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same state where the college is located	1623	333		29	1977
Students from other states of India	12	-	-	-	12
NRI Students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	1635	333		29	1989

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

UG 4.52 PG 6.1

26. Unit cost of education

a) including the salary component 51895

b) excluding the salary component 7330

27. Does the college offer any programmes / in distance education mode (DEP) No

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

Sl.No	Courses	Teacher –student Ratio
<b>UG</b>		
1	English	1:24
2	Malayalam/Sociology	1:36
3	Hindi/History	1:36
4	History	1:36
5	Economics	1:36
6	B com	1:36
7	BBA	1:18
8	Mathematics	1:29
9	Physics	1:24
10	Chemistry	1:24
11	Botany	1:18
12	Zoology	1:18
<b>PG</b>		
1	English	1:8
2	Malayalam	1:8
3	Economics	1:8
4	Sociology	1:8
5	Mathematics	1:7
6	Chemistry	1:5
7	Botany	1:6
8	Health & Yoga Therapy	1:8
9	M.Com	1:8

29. Is the college applying for Accreditation: **Re-Accreditation (Cycle 3)**
30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and Re-assessment only)  
Cycle 1: 03/05/2004; Accreditation Outcome/ Result: **B++ Grade**  
Cycle 2: 08/01/2011; Accreditation Outcome /Result:  
**B Grade with a CGPA 2.59**
31. Number of working days during the last academic year.
32. Number of teaching days during the last academic year  
(Teaching days means days on which lectures were engaged excluding the examination days)
33. Date of establishment of Internal Quality Assurance Cell (IQAC)  
IQAC-24/09/2004
34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC  
AQAR 2015-2016 and AQAR 2016-2017  
Ready for submission
35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)  
Volume 2 (2016) and 3 (2017) of the inter-disciplinary research journal *Acta Zamorini* were released during this period.

## EXECUTIVE SUMMARY

### Introduction

The Zamorins were rulers of Kozhikode, one of the prominent medieval port-towns of India. It was an international trade emporium in spices and textiles. The rulers of this kingdom enjoyed much prosperity of its maritime trade links and held considerable political power and authority in Kerala during the middle ages. It was during the Zamorins' regime; Vasco da Gama made his historic landing at Kappad Beach in Kozhikode in AD 1498. The Rulers of the kingdom organised the great martial arts festival, *Mamankam*, held once in twelve years. The Kingdom stood for the preservation and development of arts, literature and culture. The annual *Pattathanams* at the Tali Temple in Kozhikode is evidence of the interest of the Zamorins in fostering knowledge. Scholars were awarded during the intellectually fought debates in the *Pattathanams*. The never-ending interest in fostering learning of all kinds led to the establishment of the *Kerala Vidyasala* in 1877 when the Zamorin Raja of Kozhikode H.H.Manavikraman Maharaja Bahadur K.C.S.I., F.M.U started an English school to impart English education to the young members of the Zamorin's family. Over a period of 140 years, it has grown into a leading centre of higher education, which offers twelve UG, nine PG Courses and five research programmes in a variety of disciplines to satisfy the requirements of the academic community in the Malabar region.

The college has been providing the invaluable gift of quality education to generations of students who have proved their merit as achievers occupying key positions in society. The students and faculty greatly honour and acknowledge the rulers of the Zamorins' kingdom for positioning this institution on a lofty green hill which is conducive for intellectual advancement along with achievement of high moral values. The efforts of the institution in the field of knowledge production and dissemination have included non-discriminatory practices geared at achieving social justice.

The college has a well balanced Planning Board comprising of the Manager, the Principal and the Heads of the departments. Planning board, at the beginning of each academic year invites and scrutinises the proposals for year-wise and long-term development. The budget allocations are made from the pool of funds from UGC, State Government, Management, Alumni support and PTA. The research centre (ZCIR), third phase of ladies' hostel, comfort room for guests, Solar street lights and two units for rain harvesting are some of the plan proposals meticulously implemented. A large multi-purpose hall that can accommodate about three hundred students, and a 10 KW grid-supported solar power plant are the new proposals yet to be implemented. While planning for long term objectives, the institution is keen in achieving the goal of transforming the students into academically excellent individuals with commitment towards social requirements. The unique green hilly sea-facing campus with open ambience has been a source of attraction to many students who have heard about the campus from their parents and seniors. Nine of the departments offer both UG and PG courses, five of the PG departments are approved research centres and the college also boasts of a

highly reputed Physical Education Department. The whole admission process is carried out in strict adherence to the prevailing laws of reservation and with full transparency in keeping with centralized allotment process for UG/PG admissions under University of Calicut.

The institution is always in the fore front in matters relating to availing of various student support schemes of UGC, central government, state government and various alumni groups within India and abroad. Scholar support programs, Additional Skills Acquisition Programme (ASAP), Remedial coaching for socially and economically backward students, UAE Alumni scholarships are some of the student support schemes that college is providing to the wards.

About fifty percent of the permanent teaching faculty are Ph. D holders. About five teachers are nearing the completion of their thesis work. Some of the qualified teachers are the Principal Investigators of Major/Collaborative/Minor research projects funded by UGC, DST, UGC-DAE and KSCSTE having a total fund allocation of about **Rs. Eighty Lakhs**. More over, many of them are approved in-house research guides or adjunct guides at external research centres, in the respective fields. Many research articles of high impact factor have been published by the faculty. The college has published three volumes of the journal “Acta Zamorini”.

NCC unit 1 COY 30 (K) BN NCC of the institution has a total strength of 160 cadets under one NCC officer. Many of the cadets have been selected for the national level camps, Special National Integration Camp, Thal Sainik Camp, Republic Day Camp, Army Attachment Camp, Advance Leadership Camp, to name a few. Other participation includes National level shooting competition at Assam, Leadership Camps at Gujarat and National Integration Camp at Bihar, Himachal Pradesh and West Bengal. The cadets were also part of Mountaineering Expedition in Uttarakashi and All Kerala Cycle Expedition. Two units of total 200 student volunteers are functioning under two program officers, for NSS activities, mainly focussed to promote the NSS objective of social and personal development. The objective is achieved through camps for leadership training, blood donation, food for poor program. The NSS volunteers have also embarked on a program wherein they assist the local governance to implement the assigned community development programs. Organ donation awareness programs, AIDS day awareness programs were organised. Literary aid programs at Kuthiravattom Mental Hospital & health survey in the adopted village in Olavanna Panchayath were also organised. Several drives aimed at cleaning the premises of public institutions were initiated. Educational support programs for SSLC students were conducted at GVHSS, Kinassery. A program called ‘SUJALAM’ was initiated to rejuvenate Mambuzha River. The NSS Vigil help desk was set up in collaboration with the vigilance department to assist the public who approach government offices for availing various services.

Physical Education Department has grown into a leading training centre and has become a feeding centre for professional clubs at the district and state

levels, for foot ball, hockey, cricket and hand ball. Every year, the department has been successful in creating around ten to fifteen national players, more than twenty state and university players among its wards. Students admitted under sports quota are given rigorous training by the faculty and external experts, which help them to qualify and bring laurels to the college in athletics, games, cricket, hockey, football, weightlifting and wrestling at university, state and national levels. The college is proud to have in its roll a chess player and a badminton player who got international exposure and acclaim.

Along with the support of Management and PTA, the college provides training sessions and infrastructural facility to the students participating in University level arts festivals. Hard work and efforts of the students have paid dividends, in the form of third or fourth position among the fifty colleges participating in the University Zonal Arts Festivals. The College Student Union and about twenty different clubs are the different supporting groups, for the arts festivals and other inter collegiate arts and literary competitions.

Career Guidance centre activities included the timely passing of details of job fairs conducted in and around the city, providing facility for in-campus selection and motivating the students through invited talks by eminent entrepreneurs and resource project experts. Twelve orientation programs that benefitted five hundred students were held in the campus during 2015-2017.

The IQAC objectively and critically monitors the teaching – learning – evaluation, research, co- and extra-curricular activities, discipline and student support schemes through peer feedback and parent – student feed backs. The AQAR has been prepared annually, which serves as the record of success and growth of the institution and directions for timely rectification, if any. The AQAR has been prepared with utmost care, considering the suggestions from the stakeholders. The whole process of consolidating the yearly AQAR and final SSR, with necessary supporting documents has been very enriching and enlightening. The institution is really indebted to NAAC for guidance in preparing SSR, in response to criterion-wise questionnaire. The prepared SSR enabled the institution to identify the strengths, and weaknesses that have to be overcome. The stakeholders hope that, in the years to succeed, the efforts by the institution would yield dividends, ensuring excellence in education.

The College has partnered with ASAP of the Government of Kerala as Training Partner Institution (TPI) since 2012 to successfully impart IT skills, soft skills and communicative skills to three batches of Final Year UG/PG students (30 students in each batch each year) selected from colleges all over the State by ASAP. A twenty-one day Residential Training Programme is organised and evaluated through APTIS of British Council followed by an interview and advanced level four-day training, the selected students become Skills Development Executives (SDEs).

The college is also partnering with ASAP for a Level 1 Foundation Course of 180 hours duration for a selected group of First Year under graduate students

of the campus for improving the communication skills in English and access into information technology.

The college has both Central and department level Grievance Redressal and counselling centres comprising of the Principal and other statutory members, as required by University Regulations. Students were given personal guidance and counselling to tackle their personal grievances. The solutions to the grievances regarding internal examinations, physical and mental harassment and participation in extracurricular activities, are arrived at by the Grievance Redressal Centre.

The college has been trying to inspire its students to achieve higher goals. The significance of qualifying in competitive national or state wide examinations such as JRF/NET, SET, etc is imparted to the students at the under graduate level itself. A good portion of the graduate students of this college opt for PG programmes. Consistent efforts are taken to train the PG students for the JRF/NET/SET. Sixteen students have cleared the NET exams and twelve students have cleared the SET examinations.

The management of the college is very keen in maintaining the high standards of the institution. The interests of the society have been of paramount interest to the institution. It was made possible with the seamless association, and interaction with the stakeholders of the college. The regular reporting and review meetings ensure the smooth conduct of the institution. It also ensures the regular correction mechanism. The management has been maintaining positive relations with other stakeholders and well-wishers such as Alumni, academicians, etc. The apex body of the college, the Governing Council, comprising of the management, representatives of Government, University, the Principal, representatives of faculty, non-teaching members, students and senior academicians sharpens the policy decisions. It also ensures the timely execution of the major developments.

The Women Development Cell of the college functions with the aim of nurturing the strength of the female students. Several women development and awareness programmes were organised under the auspices of the WDC on a wide range of issues relating to gender sensitization, women's rights, empowerment, legal awareness, women's health etc

The college sprawling over an area of 92 acres is situated on top of the Krishnagiri Hills. Around 2000 students are admitted every year to the various programmes offered by the college. The pristine landscape plays a significant role in establishing the campus' character. Considered to be one of the most beautiful campuses in Kerala, the college is a popular locale for film shootings. The authorities take immense care to ensure that any developmental activity undertaken in the campus is sustainable. The courses offered by the college, ranging from M. Sc in Health and Yoga Therapy to the various research degrees reveal the institution's focus on multidisciplinary studies. The college upholds the mission to impart knowledge through both the environmental setting and quality service and the aesthetically appealing backdrop of the campus goes a long way in attaining this. As intended by the *Bhagavat Gita* sloka encrypted in the institution's symbol, "one of the ways a

man can ensure he cannot debase himself, is by ensuring that he raises himself by his own self”, the institution stands for focusing its efforts for inspiring the students to transform into efficient, socially bound and respectful citizens. The Zamorin’s Guruvayurappan College has been shaping generations over the past 139 years and the commitment shown by the Management, Staff and the entire stakeholders offer sufficient guarantee that it would continue to do so in the years to come.

### **Criterion-wise Summary**

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

The Institution’s mission seeks to provide the students with enriching educational experiences through quality service and a positive ambience to enable them to rise towards excellence as responsible social beings.

The college was originally affiliated to the University of Madras in 1952 and later to the University of Travancore in 1957. At present it is affiliated to the University of Calicut and follows the curriculum designed by the University. Choice-based Credit Semester System (CCSS) was introduced by the University in the academic year 2009, for the fresh Undergraduates, while continuing the annual system for the senior batches. The CCSS stream for I B.A/B.Sc./B.Com students (External 75% and Internal 25% Marks), the annual system for II & III B.A/B.Sc./B.Com students (External 80% and Internal 20% Marks) and the semester system of Post Graduate programmes which is not a Choice Based Credit System (External 80% and Internal 20% Marks). From 2014 onwards undergraduate and post graduate courses are under the Calicut University Choice-based Credit Semester System (CUCBSS). The college offers four self financed programmes (Three in Information Technology and one in Health and Yoga Therapy). The college has two add-on career oriented programs (Physics and Hindi) sponsored by UGC. The college offers English, Economics, Malayalam- Sociology, Hindi-History (both double main) and History for the B.A. programmes; Mathematics, Physics, Chemistry, Botany and Zoology for the B.Sc. programmes, B.Com. and BBA. PG programmes include M.A. (Economics, Sociology, English and Malayalam), M.Sc. (Botany, Chemistry, Mathematics, Health and Yoga Therapy) and M.Com. Interface with the Board of Studies (BOS) of the University through faculty members of the college plays a key role in framing the curriculum. Regular academic feedback from the students and parents is also instrumental in curriculum designing.

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

The student strength in 2016-17 is 1975, permanent faculty is 70, guest faculty is 24, non-teaching is 30 and temporary support staff is 13. There are 16 departments, 9 of them offer PG programs. The majority of the faculty and students are women. The college follows the University regulations for admission. The admission cut-off percentage for students is 83 % for Science, 74% for Humanities and 90% for Commerce in the undergraduate courses. Special efforts are made to cater to diverse needs by identifying the

differential requirements of the students and addressing them through inclusive practices. Advanced learners are provided with challenging learning experiences. They also help the slow learners. The faculty make use of interactive teaching methods, assignments, projects, seminars, lectures by experts, workshops, scholar support programme, walk with a scholar programme and remedial measures to support and enhance the teaching-learning process. Teaching plans, interactive sessions, continuous evaluations through various methods, timely conduct of examinations and feedback from students during tutorial and PTA sessions are the quality ensuring initiatives. The college follows the problem solving method to take care of gaps and omissions in the teaching-learning process and makes it student centric. The college has a very efficient tutorial and mentoring system which takes care of the academic and personal needs of the students. The students are exposed to new and current knowledge by integrating it into the teaching practices and also through invited talks, debates and discussions. Linking curriculum with social issues is an ongoing practice. Students are also encouraged to extract information from web resources and journals. Teacher quality is a prime concern of the management which they achieve through a meticulous recruitment process and by granting leave for research oriented Faculty Development Programme (FDP) and training programmes. Computer Aided Learning (CAL) and Information and Communication Technology (ICT) are integrated into all aspects of the teaching learning process. The institution has a very dynamic mechanism to help and guide the students in their preparation for competitive examinations.

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

The Zamorin's Centre for Interdisciplinary Research (ZCIR) promotes research activities in the campus. Teachers having Ph.D as highest qualification is 44% and M.Phil as the highest qualification is 15%. About 41% of the teachers are engaged in active research. The college has 3 major research projects (One major project is completed and two ongoing), 20 minor research projects (Thirteen of them completed in 2017), three collaborating projects (as Co-investigators) with Malabar Botanical Garden (two of them are completed) and one collaborating research project (as Principal Investigator) with UGC-DAE consortium for scientific research at Bhabha Atomic Research Centre (BARC), Mumbai (completed), during 2015-2017. To the institution's credit 39 International, 79 National, 07 State level paper presentations were made by the faculty. They published 45 research articles and 6 books during 2015-2017. Nine of the faculty are recognized research guides. The management promotes and encourages research by granting leave and financial assistance for research programmes. ZCIR has a PG student wing which has initiated research activities amongst students. Many of the faculty contribute to subject knowledge through publications and projects. Thirty seven of the faculty act as resource persons for various establishments and for conferences and seminars. Sixteen of them are BoS members and intervene in curriculum framing. Collaborations with Organisation for

Industrial, Spiritual and Cultural Advancement (OISCA) International, Child Line, Our Responsibilities to Children (ORC), Pain and Palliative Care Society, Indian Association for the Cultivation of Science (IACS), Council of Scientific and Industrial Research (CSIR), Indian Institute of Spices Research (IISR), Zoological Survey of India (ZSI) and American Bibliographical Institute, to name a few, accentuate the research interests. The institution has enriched its infrastructural resources through the research projects. At present the institution has eight research laboratories and four seminar halls.

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

The campus spans 92 acres of greenery on a hillock. On the academic front, the infrastructural support of the institution includes 16 full fledged departments with computers, sufficient number of class rooms, 17 laboratories, a Computer Centre and IT lab, Botanical and medicinal gardens, a Research Centre (ZCIR), a Career Guidance Centre and a Yoga Centre. For co-curricular and extracurricular activities the college has a spacious auditorium, two open air stages, a Health and Trauma Care Centre, one smart class room cum Mini conference hall at Physics department, a big playground, a Pavilion with changing rooms, an Indoor Games Room, courts for different games and a Gymnasium. Other facilities include a canteen, Ladies' Centre, boy's dining hall, Punjab National Bank (PNB) extension counter, a Post Office, a Co-operative store, two hostels, Recreation room for staff, common room for lady staff and a firing range. The landscape is highlighted with statues which foreground the artistic sensibility of the campus. Learning resources include a well equipped library with over 64570 books, 131 journals and 484 reference books, INFLIB NET for e- books and e- journals, computers with internet access, and power back-up, photocopiers and scanners. The computerized service includes circulation, cataloguing and online book searching. The college library has reading software and a large-print magazine for the visually challenged. The Computer Centre with Wi-Fi facility stacks 40 interlinked computers. This centre is used by the faculty and students for curricular transactions and to supplement ICT knowledge. The service of a physician is made available to the staff and students twice a week at the Health Centre. The Infrastructural facilities of the campus are often extended to the community at large.

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

The institution disseminates information about the courses offered, rules and regulations, amenities/facilities available through its prospectus, hand book and website, ([www.zgcollege.org](http://www.zgcollege.org)). A total of 16% of the students belong to the SC category, 3% belong to the ST section of society, 46% are from OBC and 62% are women. There are twenty clubs functioning in the campus for promoting the involvement of students in extra-curricular activities, and nine facilitating centres for streamlining student activities. A holistic education is provided through the activities of the above. The College has a Sexual Harassment Redressal Cell, Health & Counselling Centre, a Career Guidance Cell and an Entrepreneurship Development Club to facilitate the all-round

development of the students. Counselling Centre offers academic and personal counselling. College provide Governmental and non-Governmental scholarships and freeships as part of the inclusive practices and also to motivate the students. There is a UGC –NET, CSIR, PSC, BANKING coaching centre. The faculty supports and guides the students in the preparation for competitive examinations. An active and involved Alumni Association provides intellectual and financial support for the betterment of the institution's educational endeavours. Students are creative and enterprising which is evident from the publications of the department magazines, college magazines and articles and stories published in main stream magazines. The college has provided resourceful support to the talented students and was able to maintain third/fourth position in the University Arts Festivals. The achievements in the sports arena scale the state, national and international levels. The Students Union, an elected body of representatives, co-ordinates the overall activities of the student community with the help of a staff adviser and a staff cultural programme officer.

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

The college has a very supportive and dynamic management which diligently strives to promote quality in all aspects of the institution's activities. The management takes keen interest in expanding the range of academic services for the institution. It motivates the staff and students to enhance their output in all fields through financial support and enthusiastic involvement. The Principal of the college assumes a leadership role in enriching the institution's activities. Decisions are made through the college council comprising of the Principal, Heads of the Departments, the IQAC, and elected faculty and whenever necessary communicated to the governing body. The perspective plan of the institution prepared by the Planning Board with the support of the IQAC is scrutinized and passed by the Governing Body comprising management, Principal, representatives from staff, students, university, government and eminent persons nominated by the management. The attendance monitoring system, performance monitoring system and finance monitoring system ensure the efficacy of the range of activities through various committees. The PTA is another body which intervenes constructively to promote the quality initiatives of the institution.

#### **Criterion VII: Innovative Practices**

The innovative practices of the institution have been devised to ensure quality in education. The institution moves forward by reinforcing the strengths and tackling the weak areas by adopting the problem-solving method. Learning opportunities are made available to the students to help them face the challenges of a globalized world. Quality initiatives like setting up of clubs/centres/ cells for holistic development, a meticulous and continuous evaluation process, use of latest technology in teaching-learning, theme-based teaching-learning, counselling, career guidance and placement, community-service enhancing activities, activities promoting a civic sense, emphasis on research oriented work, inculcation of a good value system, timely infrastructural

augmentation, an effective feedback system, soft skills development, inclusive practices, providing motivation in the form of special prizes and scholarships to enhance performance and a decentralized administrative system which coordinates and enables the implementation of the above mechanisms help the institution to march towards excellence.

## SWOC ANALYSIS OF THE COLLEGE

### Strengths

- The reputation of the institution in providing higher education to Malabar region of Kerala since 1877.
- The institution is managed by the reputed Zamorin's *swaroopam* which has always stood for the promotion of education, arts, literature and culture.
- Planned infrastructure expansion of 92 acres of the campus into a full-fledged institution having 12 UG and 9 PG courses during the last six decades
- Five of the PG departments have become Research centres providing facilities to students from far and wide.
- The college has a fully furnished Research Centre with provision for e-learning in connection with other universities including foreign universities.
- The campus is women friendly. Sixty percent of the students and faculty are females.
- Sanitary pad vending machine and pad disposing machine has been installed in the ladies centre and hostels.
- The green and beautiful campus on top of Krishnagiri hills with a number of sculptures, including one of the biggest campus statues.
- The extension activities like Pain and Palliative Care, blood donation, visits to old-age home and mental hospital, providing exposure to the seamy side of human life making the students better individuals.
- The alumni that supports the college in various activities like conducting seminars, infrastructure development, etc.
- The PTA, providing solid support to the college through funding for several activities like Midday Meal program, cultural events, infrastructure development, and awards for students who excel in curricular and extra-curricular activities.
- The big play ground which is utilised not just by students but also by the larger community.
- Two open air stages called *Chaithram, Kailasam* and newly developed *cultural square* in the front campus where cultural activities, sky watching, professional shows, open forums, etc are held.
- Health and Yoga Centre and a Gymnasium with modern equipments help students to maintain physical and mental health.
- The ninety-two acre campus is totally eco-friendly. It is a plastic-free campus and the waste disposal methods are environment-friendly. The green campus provides the ideal environment for the healthy, creative, learning-oriented context.
- In order to cater to the increasing demands for accommodation from students coming from far-off areas, the college has three hostels for girls.

- The college has a Botanic garden, Green house conservatory (*Achudemia*), Eco-grove, herbal garden, yoga hall and a firing range as extra facilities. The firing range of this college is used by the NCC regional office at West Hill Barracks, Kozhikode.
- The PNB has an extension counter inside the campus that provides banking support to the staff, students and the public. Similarly, the post office functioning inside the campus extends support to the neighbourhood community as well.
- The Zamorin's Centre for Interdisciplinary Research (ZCIR), the unique research facility centre developed by the college management utilising its own resources, promotes interdisciplinary research activities among both the staff as well as the students.
- The modernised, well-equipped library has a collection of rare books.
- Solar street lights
- New Coffee counter
- Water Harvesting System
- Water Recharging System

#### **Weaknesses**

- With the introduction of new courses and up-gradation of PG departments into Research Centres, the present infrastructure is not adequate, requires expansion.
- More UG departments deserve up-gradation into PG departments and existing PG departments into research departments to cater to the increasing demand for higher education from Malabar region. Similarly, more facilities should be provided to research scholars.
- Need for better access to information technology including National Knowledge Network.
- Transport facility to the college needs improvement.
- The college has to sign more MoUs with industries and institutions of high reputation
- Consultancy services extended by the college are to be enhanced.
- Green campus up-gradation essentially requires the option of power generation from non conventional energy sources including solar and wind sources, yet to be implemented
- Need to introduce more career oriented programs.

#### **Opportunities**

- The college campus extends to 92 acres of land in Kozhikode city. So there is high opportunity of expanding the academic programmes by introducing new courses that suit modern and contemporary requirements. The College has a large playground and Gymnasium
- Upgrading PG Departments into research departments will provide more opportunity for extension activities.
- Unique Research Centre opened great opportunities for advanced level research activities.

- About 21 clubs to inspire the potential students in co-curricular and extra-curricular activities
- Scope of MoUs with governmental and industrial agencies giving guidance to students of the campus hailing from economically and socially backward strata of society.
- Proximity of the institution with one and only one cyber park in Kozhikode and Malabar Botanical Garden and Institute of Plant Sciences.

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#### **Challenges**

- The financial strain in the implementation/commencement of new generation courses is one of the main challenges to institutions offering conventional course/programmes
- Increasing number of professional colleges (engineering/medical/para-medical) is also a real threat to institutions, offering conventional programs in pure science
- The admission and examination schedule from the affiliating University at times deviate from the academic calendar and affect the academic functioning of the College.
- The institution faces the problem of semester lag mainly because of the delay in declaration of results by the affiliating University
- The Government policy does not support funding to begin new aided courses. As such the institution is unable to commence new courses in spite of demands from the stake holders.

## 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:**

The vision of the college is to help the students achieve academic excellence and play the role of socially responsible individuals by including social values. All the efforts are directed towards the achievement of this vision.

##### **Mission:**

The central mission is to provide sufficient nourishment to an individual through the right combination of environmental settings and quality service in order to rise towards excellence which calls for individual efforts

##### **Objectives:**

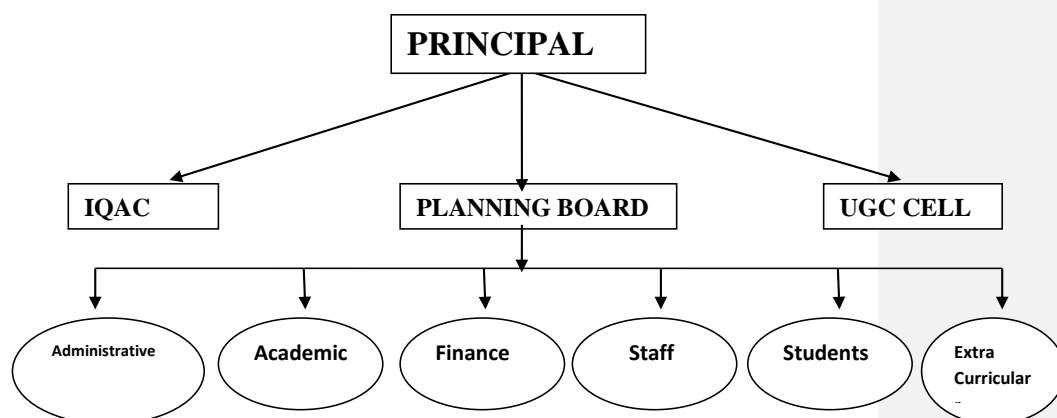
- To equip the students with the ability to earn their livelihood.
- To develop a sense of social responsibility among students
- To develop social skills and inculcate values like co-operation, team spirit, discipline, fair play and so on through extracurricular activities.
- To transmit social heritage through various organizational units.
- To create a conducive environment in promoting individual qualities such as personal initiatives, accurate thinking, positive attitude, determination, the tenacity to achieve goals and the overall personality development of the student.
- To educate the students to respect and earn respect.
- To ensure equity in access to education.

The academic activities like seminars, projects and interactive sessions provide nourishment to students for gaining confidence and being better individuals. The extension activity helps them to develop sympathy for the sick and the needy, and helps students to become compassionate individuals with responsibility towards the larger community. All the activities of the college are oriented towards the achievement of the objectives of the college.

The vision, mission, and objectives are displayed in different parts of the campus. The vision of the college is exhibited on the wall above the staircase towards the office of the Principal. It has been imparted to the teachers in print format. During the tutorial sessions the students are made aware of the goals of the institution.

**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 affiliated to the University of Calicut and is following the prescribed curriculum of the University. The faculty is actively engaged in curriculum development by acting as members in various Boards of Studies. Two of the faculty contribute to the University education in their capacity as Senate Members. The Planning Board of the college meets regularly to plan, upgrade and create new facilities in the college. The time table committee prepares the general timetable to be followed by the departments. The curriculum is effectively implemented through the functional structures such as IQAC, Planning Board, and UGC Cell as represented in the following diagram:



Administrative	Academic	Finance	Staff	Students	Extra-curricular
Allotments of rooms	WSS/SSS	Budget	Salary of Contingency staff	ID Card	Clubs
Maintenance	Seminar	Fine arts	Salary Arrears	Hostel Day	Committees
Discipline	Time Table	Union	Guest Lecturer	Fine arts	Yoga
Hostel	CUCBSS	Study Tour	Appraisal	Union	Canteen
Seminar Hall	Courses	OSA		Library Card	Co-operative Store
Timing	Evaluation	Dept Events		Agitation	Enquiry
Admission	ICT	UGC Funds		Celebrating Days	Purchase
New education polices	Library	GDA		OSA	Tour
Evaluation	PhD	Innovation		Green Community	
Future plan	Scholarships				
	Study Tour				

The following measures are taken for the implementation of the curriculum:

- Each of the faculty of the department prepare monthly teaching plan which is reviewed and a work analysis is conducted at the end of each month.
- The infrastructure facilities including library and research centre are made available to students for developing independent learning
- E-learning is also made possible for the students through the digital class room at the research centre. Department of Mathematics conducts E-learning classes using Skype facility for PG students. Interactive sessions are arranged with Dr. Satish Puthanpurayil, Faculty, Department of Computer Science, and University of Illinois.
- There are smart class rooms at the Departments of Physics, Botany and Malayalam which provide audio-visual facilities.
- Films are screened and discussions are held for the benefit of students by the Department of English.
- The departments have LCD projectors/OHP, full-fledged laboratory and gas plant to help students in their practical observation and studies.
- Remedial classes are conducted for the benefit of slow learners. Walk with a Scholar program (WSS), and Scholar Support Scheme (SSS) are implemented properly.

**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?**

The College Development Council of the University conducts meetings with the Principal and discusses the merits and shortcomings of curriculum deployment in the college. The new education policies of the Central and State Governments are discussed and directions given to the Principal. The Principal in turn communicates the same to the faculty and encourages them to excel in their performance each year. In addition to this the University takes the following measures to see that the curriculum is translated effectively:

- The University conducts orientation and refresher courses which helps the faculty for updating curriculum and teaching methods.
- The faculty is encouraged and supported by the institution and the college management for pursuing research activities including FDP

**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**

- Bridge courses are conducted at the commencement of the first year UG programme facilitating the students to get familiarized with the

UG curriculum and enable them to connect from the higher secondary level of teaching to the degree level of teaching.

- Evaluation tests are conducted at regular intervals and weak students are given remedial coaching.
- PG students and research scholars of the institution are deputed with the duties of conducting seminars and inter-collegiate competitions.
- Seminars and workshops are conducted by respective departments to supplement the curriculum.

**1.1.4 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective Operationalisation of the curriculum?**

- Some of the faculty members function as chairpersons and members of the various Boards of Studies (BOS) of the University as well as the autonomous institutions in the region and work in co ordination with the parent University and teachers from other institutions.
- Students in streams such as Sociology and Commerce take up project works associated with social work and the local industries.
- The Additional Skill Acquisition Program (ASAP) program is conducted in collaboration with the Government of Kerala. The college is a nodal centre of the ASAP.
- The NSS unit works in co-ordination with the state level NSS coordination committee. The two units of the NSS volunteers work in close association with the local self-governing bodies.
- Field visits and industry visits are conducted by various departments. The Department of Zoology conducts annual visits to apiculture farms. Department of Botany takes its students to various habitats including forests, wildlife sanctuaries, etc to provide them insight on the ecological aspects.
- The institution also makes collaboration with the Malabar Botanical Garden and Institute for Plant Sciences (MBGIPS), Kozhikode; Bhashasamanwaya vedi, Kozhikode; Kerala Folklore Academy, Kannur; UGC-DAE-CSR at BARC Mumbai.
- The Insect Identification services offered through the Prof. T.C. Narendran Biodiversity Research Lab of the department of Zoology is utilised by Research Scholars and students from institutes including Tamil Nadu Agricultural University, Dhaarwad University, University of Calicut, UPASI Tea Research Centre, Manipur, Kashmir, etc. Specimens from foreign countries (Bangladesh) were also received for identification.

**1.1.5 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**

- Several members of the faculty function as chairpersons or members of the Boards of Studies. They actively participate in curriculum restructuring and syllabi reconstitution.
- Sixteen members of the faculty have functioned as members of various Boards of Studies, including three chairpersons during 2015-2017.
- Feedback is collected from the students and consolidated by the IQAC and remedial measures are taken.
- Institutional feedback from students and parents were collected and consolidated, and recommendations were made regarding infrastructural development and better academic services to the institutional authorities.
- Programme evaluation by the students is conducted at the end of a course period and suggestions are presented before the various boards of studies by the faculty.
- Three members of the faculty were nominated to the University Faculties of Languages, Humanities and Science respectively.

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

The syllabus for the career oriented add-on course on Electrical, Electronics and Instrumentation was framed by the department of Physics which was approved by the UGC.

The syllabus was designed for UGC supported innovative self financing course in Health & Yoga Therapy by the faculty of the department of Physical Education.

**1.1.7 How does institution analyze / ensure that the state do objectives of curriculum are achieved in the course of implementation?**

- Student feedbacks to a large extent help in determining whether the objectives of the curriculum are achieved by various departments.
- Regular departmental meetings, tutorial sessions and PTA meetings are conducted to assess the progress of the students and to analyse the implementation of the curriculum

## 1.2 Academic Flexibility

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

The Institution offers certificate courses for the students intending to provide the students with career developing opportunities. Following are the courses.

Sl no	Title of the course	Type of course	Department in charge	Goals
1	Electrical, Electronics and Instrumentation	Add-on	Physics	Career opportunities
2	Translation and Journalism	Add-on	Hindi	To enable students to take up jobs as translators and journalists

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

The college does not offer dual/ twinning programs. We offer two double – main UG courses in Hindi / History and Malayalam / Sociology. The students graduating in these courses can pursue higher education in any of the two subjects they have studied.

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

- Range of Core / Elective options offered by the University and those opted by the college
- Choice Based Credit System and range of subject options
- Courses offered in modular form
- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses
- Enrichment courses

The UG students, in addition to core course, are taught the English language as common course, a second language of their choice and two complementary subjects. They are also given the option of selecting an open course of their

choice in their penultimate semester. The list of courses for the CUCBCSS includes Common Courses, Core Courses, Complementary Courses and Open Courses. The Common, Core, and Complementary courses are compulsory whereas the students have to choose an Open course outside their disciplines from the range of options given by each department. The syllabi of some of the courses are offered in modular form.

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

Yes. The college offers a self financing program in M.Sc. Health and Yoga Therapy. The University conducts centralised entrance test and admissions are done on the merit basis. The curriculum is designed by the Department of Physical Education and approved by the PG BoS of the University of Calicut. The course is an innovative program sanctioned by the UGC in the year 2007-08. The course was conducted with the assistance from UGC till 2012. The course is being conducted by the college management thereafter. The management collects the fee from the students, as per the fee structure regulated by University of Calicut for self financing courses; teacher qualification is the same as stipulated by the UGC. The salaries of the teachers need to be met from the fee received and with the additional financial assistance from the college management. This act of benevolence of the management is based on the fact that yoga is a part of nation’s cultural heritage.

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

Yes. Two add-on courses are offered by the college. The department of Physics offers a course in ‘Electrical, Electronics, and Instrumentation’. The department of Hindi offers a course in Translation and Journalism. MSc Health and Yoga Therapy prepares many students to become yoga instructors and many are already experts in the field. The Department of English conducts the ASAP Programme to improve communication skills. A separate programme for ASAP trainers is also conducted in the college. ED Club members participated in the Micro, Small and Medium Enterprises (MSME) Exhibition organized by the Department of Industries and Commerce, Government of Kerala.

The department of Zoology organised a one day field study to understand the significance of apiculture as a small scale industry at the apiary in Balussery. A four day workshop was conducted to equip students for various competitive examinations. The PG departments of Mathematics and English conducted coaching sessions for the PG students for the NET examinations. Department of Physics conducted JAM coaching for PG admission entrance examinations for various national institutions. The department of Economics conducted

classes on Insurance, Computer awareness and personality development. Department of Sociology conducted a workshop on career prospects in sociology. The department of Commerce organised a class on career options in Commerce. The Career Guidance Cell of the institution conducted 12 orientation programs by various institutes which benefited 500 students of the institution.

**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?**

The University does not offer the flexibility of combining such courses.

**1.3 Curriculum Enrichment**

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

The goal of this institution focuses on the achievement of excellence by socially responsible individuals. The academic programs of the college are in tandem with goals and objectives.

Since the institution is an affiliated college, there is no provision for independent curriculum designing and development. The curriculum for PhD course work, self financing and add-on courses are designed by the faculty members and later approved by the University before its implementation. Various programs like Remedial Coaching, Scholar Support Program, Walk with a Scholar offer support to both the weak as well as the meritorious students. Exceptionally talented students are encouraged to help in the remedial program meant for the weaker students. The extension programs of NSS, NCC and the Pain and Palliative Care Unit support the community and students get a first-hand experience of the realities of life.

In addition to this the various clubs functioning within the campus help in the overall development of the students.

By choosing the correct electives and open courses, the college is trying to integrate curriculum to the goals of the institution.

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

- The department of Zoology organised a one day field study to understand the significance of apiculture as a small scale industry at the apiary in Balussery.
- A four day workshop was conducted to equip students for various competitive examinations.

- The PG departments of Mathematics, Malayalam and English conducted coaching sessions for the PG students for the NET examinations.
- Department of Physics conducted JAM coaching for PG admission entrance examinations for various national institutions.
- The department of Economics conducted classes on Insurance, Computer awareness and personality development.
- Department of Sociology conducted a workshop on career prospects in sociology.
- The department of Commerce organised a class on career options in Commerce.
- The Career Guidance Cell of the institution conducted 12 orientation programs by various institutes which benefited 500 students of the institution.
- Zoology students attended training programme regarding bee-keeping and Apiculture (Kurumpoyil, Balussery) to enrich students in small scale industries.

**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?**

- Women's Development Cell, NSS, and NCC play a major role in bringing revolutionary changes in the college and society. Girls are trained to take a lead role.
- Women's Development Cell conducted a class for Female students on the Awareness of Cyber Crime.
- The College has a Girl's room. The campus on the whole is female student friendly.
- Women development cell conducted Women's Day Celebration in association with NSS.
- Inter Collegiate women's parliament competition was conducted by NSS.
- A discussion on women empowerment was conducted by the department of Economics.
- Special class on health and hygiene was given to girl students.
- Department of Sociology conducted a lecture program on the topic "Gender Issue"
- Department of Economics organised a Computer awareness workshop
- A program on "Women's right and legal awareness" was organised under the auspices of the district legal service authority cell.
- The Department of Zoology conducted a talk by Prof. T. Sobheendran on the topic "Earth and the beauty of life"
- The Department of English conducted a lecture by Janaki Sreedharan on the topic " Women's day through History: a journey of hope"

- The department of English conducted a panel discussion on the topic “Gender, Justice and Equality”
- In collaboration with Regional Science Centre, Kozhikode, the Department of Physics organised Night Sky Watching in the campus.
- The Audio-Visual club conducted a documentary screening on International Women’s day with a documentary titled “Womenses”
- “Kanivinte Oru Thulli” campaign was conducted by the Bhoomithra Sena Club to create awareness to set water pots for birds during the scorching summer.
- Drought resistant plants were planted during the summer months and drip irrigation method using bottles was adopted to ensure the growth of plants.
- Nature Club: Planted 250 Saplings in the college Campus on World Environment Day. The function was inaugurated by H.H. the Zamorin Raja by Planting Krishnanal (*Ficus krishnae*) in front of College Library.
- Dr. K. Azeez, Asst. Prof of Botany, Unity Women’s College, Manjeri gave a talk on Biodiversity of Western Ghats. The programme was conducted in association with the NSS units, Bhoomithrasena Club and Development Club of Economics.
- Students participated in a Conference of Prakriti Samrakshana Samiti at Calicut Town Hall.
- Career Guidance Cell organised a quiz competition for students on the topic “Environmental Concerns and Sustainable development in connection with the national education day.
- Two special lectures on environment by Organic farmers Sri. Shabil Krishnan and Sri. Dibin were conducted by the department of Economics.
- Panel discussion on the topic ‘Women empowerment: Invisible facts’ lead by Dr. T. Ramachandran, Principal, Dr. Anitha Ramesh and Smt. Tanuja Raghavan of the Zamorin’s Guruvayurappan College, Calicut was organised by Women Development Cell.
- Department of Malayalam organised a talk by Dr. Premanand (Department of English, Malabar Christian College, Kozhikode) on Smart class awareness to the BA and MA Malayalam students.

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

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

**Moral and Ethical and Traditional Values**

Sl. No	Type of Program	Topic	Resource Person/ Org. By
1.	Seminar (NSS)	Awareness on Drug abuse	Alcoholics Anonymous Kozhikode Chapter
2.	Lecture (Dept of Sociology)	Anti Ragging Awareness	E. Sunilkumar (Circle Inspector)
3.	Training (NSS)	Road safety and first aid	Trauma Care, Kozhikode
4.	Exhibition (Dept. of Zoology)	Drug addiction	Staff and Students.
5.	Coaching classes	Orukkam 2016	NSS
6.	Camp	Blood Donation	NSS
7.	Camp (Health & Yoga)	Blood group identification	Staff and Students, Dept. of Physical Education
8.	Exhibition (Department of Zoology)	Specimens to create awareness in conservation at Tiruvannur Govt. U.P. School	Staff and Students, Dept. of Zoology
9.	Lecture (Department of History)	Principles and methods of archaeology	Dr. Rajesh, P.
10.	Talk (NSS)	The importance of First aid	Dr. Firooz Abdul Kareem
11.	Lecture (Department of English)	Training in Leadership, goal setting, confidence building, creativity and team work	Balachandran Gopinath
12.	Lecture cum Demo	Meditation	Acharya Vijayaraghavan (Sathyananda Yoga Research Centre, Calicut)
13.	Lecture cum Demo	Patanjali Yoga Sothram	Acharya Unni Raman (Patanjali yoga research centre, Calicut.)
14.	Familiarising Extinct Traditional Cultures	Pulluvanpattu	Folklore and Tourism Club
15.	Essay Writing Competition	Plastic Eradication	Literary and Debate Club
16.	Versification and Essay writing	Onam	Literary and Debate Club
17.	Lecture Demo on Carnatic music	Carnatic Music	Dr. Sudha Renjith/ Dance and Music Club
18.	Screening of Short Film	Mental Health Awareness	Audio Visual Club
19.	Reading Competition	Improving reading skills	English Club
20.	Editorial Writing Competition	Improving Writing Skills	English Club
21.	Recitation Competition	Articulation Skills	English Club
22.	Book Release	Release of book written by Adv. Biju Kayppanplakkal	Heritage Club

23.	Screening of the campus film "Gulmohar"	Campus Life	Audio Visual Club
24.	Screening of the film "Nerkazhacha"	Drug abuse	Audio Visual Club
25.	Lecture	'New Trends In Higher Education Field'	Dr. G. Amruthkumar (Students Deen, Central University of Kerala)/ Dept. of Malayalam
26.	Quiz competition	'Ethical Values In Ramayanam'	Dept. of Malayalam
27.	Essay competition	'Uroob- The Writer'	Dept. of Malayalam
28.	Book releasing function	Title of book: "Aakasatheyykoku Janaala" by K. Rughmini, (Guest Lecturer of Malayalam)	Vykhari Cultural Club, Dept. of Malayalam

#### Employable and life skills and better career options

Sl. No	Department	Topic	Resource Person/
1	Economics	Communication skills & enrichment workshops	K. Sreelesh
2	Economics	Computer awareness workshops	N. Jangesh
3	Economics	Research methodology workshops	Dr. Shyjan Davis
4	Economics	An Introduction to Insurance( National Seminar)	Vijayachandran, K.P. Keerthikumar and T.K. Gopakumar
5	Zoology	Motivation and skill development	Bharath Das, V.
6	Zoology	Motivation towards excellence	Dr. M. Madhavikutty
7	Zoology	Leadership skills	Dominic Mathew
8	Zoology	Communication :Theory and Practical	Sandhya Varma
9	Zoology	Stress and Stress management	Dr. M. Madhavikutty (Dist. Co-ordinator of gifted children enrichment program)
10	Botany & Zoology	Banking as a Career (Workshop)	Bharath Das, V.
11	Economics	Personality Development	Arun kumar, P.
12	Sociology	Career prospects in Sociology	Sanu K. Suguthan
13	Commerce	Career options in Commerce	Dr. Thomas George
14	Commerce	Class on Career Guidance	Dr. Mahesh, Asso. Director, DC Books
15	Commerce	Economic reform and Indian securities Market	Prof. K. Sukumaran, Dean National institute of securities market
16	Career Guidance Cell	Career Orientation	Muthu koya, K. P.
17	English	Winning Habits	Balachandran Gopinath

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

- Correction in syllabi based on feedback from students in the university semester wise paper allotment of double main courses were adjusted in accordance with the credit distribution as part of the CUCBCSS program.
- Remedial coaching, tutorial session and mentoring sessions are conducted.
- ICT facilities within the campus were enhanced after taking into consideration the feedback from the students.
- Coaching classes for NET, SET examinations were arranged by various departments on the basis of feedback received from the students.
- Owing to the demands from parents and students, Ph.D. programmes were started in the Department of Malayalam, English and Chemistry.

The parents and students are constantly requesting for MA History, M.Sc. Zoology, and M.Sc. Physics courses. The college has initiated the steps to get sanction for the above courses in Government aided sector.

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

The programs are monitored and evaluated by a monitoring committee approved by the College Council. Continuous evaluation and assessment of the programs are done through regular tests and evaluations. The academic audit committee monitors and evaluates the performance of the students in the examinations and reports to the IQAC. The IQAC initiates corrective measures whenever needed. Final evaluation is done by the University. Feedback is also taken from students and suitable corrections are made.

**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?**

- Several members of the faculty serve as chairpersons and members of Boards of Studies and support curriculum designing.
- The teachers participate in workshops conducted by the University and give suggestions regarding the improvement of curriculum.

**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, regular feedbacks are obtained from the students, outgoing students and parents. Positive suggestions are discussed within the departments and routed to the University through the members of the Board of Studies of the concerned subjects for effective modification of the curriculum.

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

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

Three more PG Departments were given recognition by the University of Calicut as Research Centres for Ph.D. programs (English, Malayalam and Chemistry) during the last two years.

## **CRITERION II: TEACHING - LEARNING AND EVALUATION**

### **2.1 Student Enrolment and Profile**

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

The Zamorin's Guruvayurappan College is a reputed first grade college and the admission process is merit oriented. The institution has followed the centralised admission process of University of Calicut since 2013.

Publicity regarding the Courses offered by the college is ensured through:

- Institutional Website - The Institution Website is updated periodically, and furnishes the necessary information for a candidate seeking admission.
- A prospectus of the Institution and a Calendar.
- Responses to the enquiries received via e-mail, telephone calls at the college office.
- The College Information Centre.

#### **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.**

Admissions are conducted purely on the merit basis. The rules stipulated by the University and the Government regarding reservation norms are strictly followed. Since 2013, the University of Calicut has followed single window method of centralised admission process. The rank lists are prepared by the University and forwarded to the respective departments. The centralised admission committee of the institution facilitates and monitors the admission process.

Students from other disciplines who want to join MA English course have to appear for an entrance test conducted by the University. The only program for which common admission test is conducted is the self financing course, M.Sc. Health and Yoga Therapy.

**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.**

	Program	2015-2016		2016-2017	
		Maximum Percentage	Minimum - Percentage	Maximum Percentage	Minimum Percentage
UG	English	94.6	72.23	88.00	71.91
	Malayalam/Sociology	89.08	81.05	90.23	74.66
	Hindi/History	86.83	57.5	85.58	71.16
	History	89.66	80.00	86.41	57.75
	Economics	90.16	82.8	97.08	68.00
	B.Com.	97.41	91.02	94.66	89.00
	BBA	91.05	87.75	88.33	82.33
	Mathematics	96.41	77.5	94.05	83.41
	Physics	96.75	90.71	95.66	88.58
	Chemistry	95.75	88.83	97.33	90.02
	Botany	91.66	81.00	94.16	80.91
Zoology	95.83	79.91	92.91	82.00	
PG	English	95.00	81.25	88.75	84.05
	Malayalam	79.00	57.50	82.75	74.00
	Economics	84.00	70.25	81.50	70.25
	Sociology	90.25	79.00	86.50	76.75
	Mathematics	90.05	73.25	94.25	84.00
	Chemistry	89.25	86.00	92.00	84.00
	Botany	92.25	88.25	93.00	90.00
	Health & Yoga Therapy	73.5	63.25	86.25	59.05
M.Com.	87.75	80.50	87.00	66.00	

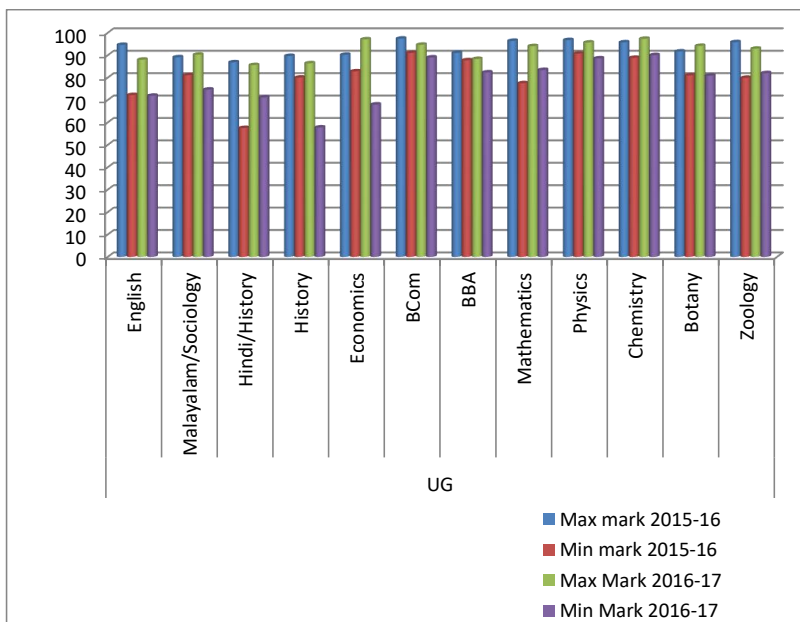


Figure 1: Entry Level Marks Percentage – UG

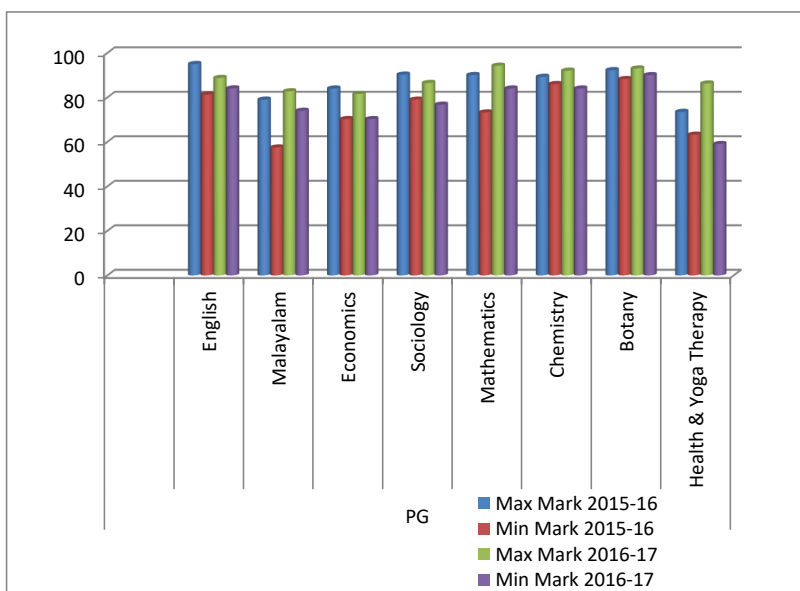


Figure 2: Entry Level Marks Percentage – PG

The institution has been continuing its tradition of offering opportunity for higher education to a large section of the society, especially the economically and socially backward. The location, atop a picturesque hill ensures the positive ambience for the overall development of the students. The girl students from nearby areas prefer this institution as it offers a secure and well furnished hostel facility. The figures on the minimum and maximum marks of the students who joined confirm that the trend is positive and that students scoring high marks prefer to join this institution. The minimum-maximum marks for joining is at par with the other colleges that lie in the midst of the city.

**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 list of candidates to be admitted is provided by the University through its Centralised Allotment System. The next phase is thoroughly done under the supervision of the Centralised Admission Committee of the institution. The College Council also evaluates admission process, and corrective measures are suggested, if necessary. Details of students admitted are entered in the Admission register as well as Centralised Attendance Portal.

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

- \* SC/ST
- \* OBC
- \* Women
- \* Differently abled
- \* Economically weaker sections
- \* Minority community
- \* Any other

The University of Calicut has a well defined policy directed towards the upliftment of SC/ST, OBC, women and differently-abled students. The admission procedures strictly adhere to reservation policies set by the government. Five percent of the seats in all courses are reserved for ST students and 15% for the SC students. Three percent of the total seats are reserved for differently-abled students.

Grants from the government are disbursed amongst the students on time and their grievances are rectified in a timely manner. The visually challenged students are provided with reading software and support of the scribes. The alumni association has instituted scholarships for the financially backward students. The UAE chapter of the alumni association offers flexible scholarships to twelve students in the UG and PG classes who come from economically backward sections. The College PTA has started a Mid Day

Meal Programme to encourage the economically weaker students to continue their academic pursuits.

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

The institution follows the centralised admission process the University of Calicut since 2013.

**2.2 Catering to Student Diversity**

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

Differently-abled students are offered a lot of facilities by the institution. These students are given necessary guidance and assistance by the departments. In the case of students who are particularly weak academically, special tutoring is provided. The resources of the academically bright students are also used to help the weaker ones.

The University of Calicut has strict guidelines relating to the admission of differently-abled students and the reservation percentage is adhered to by the college. Two computers in the library are supported by reading software to aid blind students. Scribes are provided to visually challenged students to help them appear for exams. Additional support is provided by the respective tutors whenever there is an issue of the student not being able to cope up with the rest of the class. Ramp facility is available in two areas of the institution. Mentoring sessions are also conducted.

**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.**

After the admission procedure, each department conducts a one week long bridge course to help the students to connect with the UG syllabi. Entry level tests are conducted to assess the aptitude of the students. Orientation programmes are conducted for the first-year students. Quizzes, debates and discussions are conducted and language teachers assess the speaking and reading capabilities of the students.

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

The Bridge course syllabi are prepared by the respective departments after consultation of faculty. The time table for the week long bridge

course is provided by the IQAC. External experts and prominent alumni are invited to deliver talks. General sessions on student counselling and student support programs are also conducted as part of the bridge course. Other programs such as Walk with a Scholar (WWS) and Scholar Support Programme (SSP) are conducted to bridge the knowledge gap of the enrolled students. Entry level tests help to gauge the knowledge level of the students. Remedial coaching is given to the weaker students. Two add-on courses are conducted by the departments of Physics and Hindi to supplement student knowledge.

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

The institution is known for its environment friendly approaches and maximum efforts are taken to sensitise staff and students regarding environment friendly measures. Dustbins for non degradable and biodegradable waste, rain water harvesting, solar lamps, well-recharging and biogas plants have been installed in the campus.

There are many cells like the Women's Development Cell, Bhoomithra sena Club, Tourism Club, Nature Club and Folklore Club functioning in the campus. Various programs relating to gender sensitisation, legal awareness, cyber crime, organic and traditional food fests, tree planting sessions, etc are conducted by these cells.

Given below is the list of programs conducted in the college to sensitise the students on issues like gender and environment:

- Women's Development Cell, NSS, and NCC play a major role in bringing revolutionary changes in the college and society. Girls are trained to take a lead role.
- Women's Development Cell conducted a class for Female students on the Awareness of Cyber Crime.
- Women development cell conducted Women's Day Celebration in association with NSS.
- The National Girl Child Day was observed.
  
- Inter Collegiate women's parliament competition was conducted by NSS.
- A discussion on women empowerment was conducted by the department of Economics.
- A panel discussion on Gender, Justice and Equality was organised by the department of English. The renowned poetess and faculty of the department was honoured on the occasion.
- Special class on health and hygiene was given to girls students.
- Department of Sociology conducted a lecture program on the topic "Gender Issue".
- Department of Economics organised a Computer awareness workshop.

- A program on “Women’s right and legal awareness” was organised under the auspicious of the district legal service authority cell.
- “Kanivinte Oru Thulli” campaign was conducted by the Bhoomithra sena club to create awareness to set water pots of birds during the scorching summer.
- Drought resistance plan were planted during the summer months and drip irrigation method using bottles was adopted to ensure the growth of plants.
- Department of Zoology conducted a talk by Prof. T. Sobheendran on the topic “Earth and the beauty of life”.
- The department of English conducted a lecture by Janaki Sreedharan on the topic “ Women’s day through History: a journey of hope”.
- In collaboration with Regional Science Centre, Kozhikode, the department of Physics organised Night Sky Watching in the campus.
- The Audio Visual club conducted a documentary screening on International Women’s day with a documentary titled “ Womeness”
- Nature Club: Planted 250 Saplings in the college Campus on World Environment Day. The function was inaugurated by H.H. the Zamorin Raja by Planting Krishnanal (*Ficus krishnae*) in front of College Library.
- Dr. K. Azeez, Asst. Professor of Botany, Unity Women’s College, Manjeri gave a talk on ‘Biodiversity of Western Ghats’. The programme was conducted in association with the NSS units, Bhoomithra sena Club and Development Club of Economics.
- Students participated in a Conference of Prakriti Samrakshana Samiti at Calicut Town Hall.
- Career Guidance cell organised a quiz competition for students on the topic “Environmental Concerns and Sustainable development in connection with the national education day.
- Two special lectures on environment by Organic farmers Sri. Shabil Krishnan and Sri. Dibin conducted by the department of Economics.
- Panel Discussion on the topic ‘Women empowerment: Invisible facts’ lead by Dr. T. Ramachandran, Principal, Dr. Anitha Ramesh, Smt. Tanuja Raghavan of Zamorin’s Guruvayurappan College, Calicut, was organised by Women’s Development Cell.

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

The entry level tests and the internal assessments conducted at the beginning of the semester help to identify advanced learners. Advanced Learners are given a lot of opportunities for improvement. They are encouraged to take up projects that are more challenging and are directed to present their findings even in venues outside the college. Many of our advanced learners have won prizes in inter-collegiate competitions.

Walk with a Scholar Program is a government funded program aimed at identifying advanced learners and giving them opportunities to excel in their fields. The program arranges specialised mentoring for students in Arts, Science and Commerce and it is open for all students entering the first year of undergraduate program of study.

The Advanced learners are encouraged to participate in the activities of the clubs and other such extra-curricular activities so that there is an overall development of their personality.

**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)?**

There is an effective tutorial system that monitors the attendance of students. Students with less attendance are identified; their reasons sought and remedial measures are undertaken. The departments try to solve the most of the issues of the students and at times counselling is given to parents and guardians as well. Scholarships are arranged with the aid of the alumni if the student is unable to pursue studies because of economic reasons. The UAE chapter has instituted scholarships for students who face economic problems.

The problems of the physically challenged are catered to and most of the issues have been sorted out. Scribes are arranged by the college to ensure support for the differently-able students. Ramp facilities are provided at two points inside the campus. The institution has a disabled friendly toilet at the comfort station.

Slow learners are given remedial classes and offered the services of the Scholar Support Program. The service of a professional student counsellor is available twice a week at the College health Centre. Mentoring sessions facilitate in assessing the strength, weakness, fears and goals of the students. The college endeavours to create equal opportunities for students coming from all sections of the society. There are many students coming from extremely backward social and economic areas and to support them and prevent them from dropping out, the midday meal scheme was introduced. College has initiated various proficiency prizes and scholarship programs as a support mechanism.

**2.3 Teaching-Learning Process**

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

The Academic Calendar provided by the University is strictly followed and the internal assessment done according to the schedule prescribed. The institution also prepares an academic calendar that charts out the programs

planned by the institution. In addition to this continuous evaluation through presentations, viva-voce, assignments, quiz competitions and other such methods are used by the faculty according to the needs of the topic and the aptitude of the students. The evaluation report is submitted to the CUCBCSS committee at the end of every semester. The Academic audit committee also monitors and evaluates the performance of students in the examinations. In addition to the tests recommended by the University, additional tests are conducted by the departments. The departments decide on the areas of the syllabus to be taught for the oncoming tests. Teachers prepare teaching plans for every month and this is analysed at the end of every month. The work that has not been completed as per schedule is adjusted by engaging extra classes or carried over to the next month.

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

The IQAC conducts regular meetings with the Heads of various departments to enquire about the facilities to be increased for better teaching learning environment. Discussions on how to improve discipline, intake and output of knowledge resources, sharing resources, results etc. are conducted. Annual meetings are conducted with parents and students to cater to their needs and suggestions. Informal meetings with the students are conducted to identify areas which do not surge in a formal meeting. The committees like the CUCBCSS and Academic Audit Committee submit their reports to IQAC. Feedbacks from parents, students and old students are collected and consolidated by IQAC and remedial measures are suggested. Discussions are conducted with the office staff as well. The results of the meetings are discussed by the IQAC and presented before the Management for further action.

The academic calendar for the institution is prepared by the IQAC. Similarly the time table for the bridge course and its evaluation is also performed by the IQAC. The IQAC also monitors the functioning of the ZCIR. IQAC has conducted institutional level seminars for teachers and students.

In addition to this the IQAC actively involves in the activities of the various departments, clubs etc. that provide holistic nourishment for students of diverse talents through interactions with the CUCBCSS committee, Discipline committee, Grievance Redressal cell, Counselling cell. IQAC monitors the working of the WWS and SSP with aim of enhancing the quality of teaching learning process.

### **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?**

There are smart classrooms in the Departments of Malayalam, Botany, English and Physics. There is an IT lab, a language lab in the Department of English,

and a digital classroom in the research centre which enables e-learning. There is a good library and four seminar halls. The College Research committee ZCIR publishes its journal “ACTA ZAMORINI”, which provides a platform for teachers and research scholars to publish their works. In addition to the facilities in the college the students are encouraged to present papers at other institutions and publish research articles in reputed journals. Many talks by eminent personalities in various fields are conducted for the sake of students. Research scholars are also given opportunities to engage special classes for the UG and PG students. All these features help students to develop skills like interactive learning, collaborative learning and independent learning.

Learning is made student-centric primarily by being vigilant to students’ needs. The problem solving method is adopted to address these requirements. To cite few examples, the department of English started an English club in 2008. The objective of the club is to expose the students to the English language in ways, which are not possible through the regular curriculum. The department of English conducts a lecture series called ARC series. The department of Mathematics conducts regular online classes for PG students. The department of History arranges students visit to excavation sites in the nearby areas. This was considered imperative because a large proportion of the students have been educated in the regional language medium. Since the goal is to make the students develop global competency, an English Club with the objective of developing reading, listening, speaking and writing skills assumes importance. The following methods are being used to implement this:

- Conversation groups
- Book/film reviews
- Reading strategies
- Debates/discussions on current issues
- Film shows
- Giving talks on different writing genres
- Creative writing

Another noteworthy example is the project work of B.Sc. students in the department of Zoology. The students are encouraged to take up projects with social relevance. They have taken up projects in the following areas.

- Environment pollution study
- Biodiversity studies
- Inter disciplinary insects-plant associations in Hamelia

The students also do projects wherein they explore the biodiversity of the campus. Acquisition of life skills, management skills etc are part and parcel of the campus milieu. In a politically charged campus like this learning life skills becomes easy. Leadership building is an inevitable outcome of such a campus. Current/ relevant issues are debated and discussed through Literary and Debate club. The Entrepreneurship Development Club (ED Club) also contributes by acquainting the students with application-oriented techniques in

marketing/ skill learning as an extension of their curriculum. The college union conducts several programmes for the benefit of the students.

All departments give training to the students on teaching methods and the students also present seminars. All dissertation/ projects of various classes are streamlined in such a manner as to allow the students to apply and manage acquired knowledge and skills.

#### **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?**

In addition to classroom activities the students participate in an election to form the college union. The college union functions as an independent body with guidance from the staff advisor. They conduct an Inaugural function, College Day, Fine Arts competitions leading to B Zone and Inter Zone competitions, Sports Day and various other cultural and academic programs like debate, literary fest, food fest, etc. Students also participate in festivals conducted by other institutions like NIT (Ragam Fest, Chingamasam Fest etc.). They also participate in various programs conducted by media.

- The English Club conducts various programmes like quiz competitions, debates, poster competitions, essay writing competitions to support literary creativity among students.
- The audio visual club conducted the screening of a documentary “Womenses” which was about the social constraints on women.
- Bhoomithra sena club set up water pots for birds and animals in different parts of the campus.
- ACK Raja artist camp help the students of the college to interact with well-known artists who participated in the camp
- WWS program arranged specialised mentoring programs for students of UG level. Teachers appointed as internal mentors also provided motivation and skill development classes to the students.
- Folklore club conducts annual food fest inside the campus. Students prepare the food and sell it from the counters assigned to them.
- Science day was celebrated every year giving thrust to the focal theme prescribed by the government of India.

#### **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.**

There are smart classrooms in the Departments of Malayalam, Botany, English and Physics. There is an IT lab, a language lab in the Department of English, and a digital classroom which enables e-learning. There is a good library and four seminar halls. In addition to the facilities in the college the faculty makes

use of the library at the University of Calicut, other institutions and e-learning resources for effective teaching. There is an understanding with Indian Institute of Chemical Technology (IICT), Hyderabad to share resources. The faculty also uses the library resources of institutions like IIMK, KIRTADS, IISR, Anweshi. The department of Zoology introduced the concept of virtual biology lab to 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.)?

Blended learning is made possible through the curriculum which offers a wide variety of topics for enthusiastic learners. The curriculum is designed in such a way that the needs of the present day society are met with. Talks by experts in various fields were given. Seminars and workshops were conducted in the college during 2015-17. Some of them are:

Sl.No	Department	Topic	Resource Person
<b>2015-2016</b>			
1	Botany	Angiosperm Diversity of Western Ghats	Dr. Kishore Kumar. Asst. Prof., Farook College
	Physics	Gravitational Waves	Dr. Muhammed Salim
		Organisation in Living Cells	Dr. Renjith, P.
		Earthquakes: Sequels of a Dynamic Planet	Dr. Revathy, P.
		Nanotechnology	Dr. Libu K. Alexander
	History & Political Science	Gandhi as a Journalist	Dr. M.G.S. Narayanan, K.F. George, Khader Palazhi
		Subhash Chandra Bose: A Man Sidelined in Indian National Movement	A.M. Shinaz
		National Girl Child Day	Dr. Sudha Krishnan Unni
		Cricket and International Movement	M.C. Vasisht, K. Sreejith
		Chettur Sankaran Nayar and Indian liberalism(National Seminar)	M.R. Raghavan, Member of Parliament, Prof. Rajashekharan Nair, Prof. M.G.S. Narayanan, Dr. K. Gopalankutty, Adv. Sarath Chandran , Practicing advocate Madras High Court, Adv. V.V. Viswambaran
4	Hindi	New Literary trends in Hindi	Dr. R. Surendran
5	Physical Education	Relaxation Techniques	Acharya Vijayaraghavan, Satyananda Yoga Research Centre, Calicut.
6	Mathematics	Measure and Integration	Dr. Sudheer, K.
		Linear and Modern Algebra	Sri. Maneesh Jacob, Asst. Prof. CMS College, Kottayam
		Automata	Dr. Sudheer, K., Asst. Prof., Farook College
		Functional analysis	Mafeed, Asst. Prof CAPE

		Complex Analysis	Vadakara
		Graph Theory	Deepa, V., Research Scholar NIT
		Boolean Algebra	Shabin, P., Asst. Prof. Kerala Govt. Poly
		Differential Equations	Adarsh, V.K., Asst. Prof. TKM College, Kollam
		Real Analysis	Dr. Muhammed, C.P.
		Motivation Class	E.K. Kutty, Former Dean National Institute of advanced studies Bangalore,
		Motivation Class	Abhinand, One of the 10 students selected by ISRO from all India
7	Zoology	Biodiversity and Conservation- Current scenario	Dr. Jomy Augustine, Asst. Prof. St. Thomas College, Pala.
		Faunal Diversity of Kerala	Dr. Jaffer Palot, Zoological Asst, ZSI, WGRC, Kozhikode
8	Malayalam	Contemporary Malayalam Poetry	Prabha Varma
		'Uroob Anusmaranam' and 'Akbar Kakkattil Anusmaranam'	Dr. M.C. Abdul Nazar
		'Vayanadinam'	Smt. Arya Gopi (Asst. Prof. of English) and Dr. C. Mahesh ( Assist. Prof. Sociology), ZG College
		'Ramayanaprabhashanam and Ramayana Recitation'	Dr. C. Mahesh and Kamalraj, S.
		'Modern Poetry'	Prabha Varmma, Renowned Poet
		'International Folklore Conference' at Sahithya Academy in collaboration with Kerala Folklore Academy, Kerala Forest Research Institute and Dept. of Malayalam, Asmabi College, Trissur and Dept. of Sanskrit, St. Mary's College, Trissur.	
9	Sociology	Theoretical Foundation of Research in Social Science	Dr. Ramakrishnan, Manonmaniyan Sundaranar University
		Gender Issues	Dr. Rijula, P.K., KNM Govt. Arts and Science College, TVM
		Prospects of Sociology	Dr. Sara neena, Asso. Prof., Vimala College, Trissur
		Multi Culturalism	Dr. Kalam, Prof. of Eminence , Tezpur University
10	Economics	Environment	Shabil Krishnan (Organic farmer and health inspector)
		Environment	Dibin, Organic Farmer
		Economics of Crimes	Rajeesh, C.S., Research Scholar JNU

		Directions for Democratic Banking	A. Raghavan, Deputy General Secretary, SBI
11	English	Changing Trends in Life & Literature	Prof. Lalitha Menon, Former, HOD Dept. of English, PWC
12	Commerce	Economic Reform and Indian Securities Market	Prof. K. Sukumaran, Dean National institute of securities market
2016-2017			
1	Economics	Research Methodology	Dr. Shyjan Davis, Asso. Prof, University of Calicut
		An Introduction to Insurance	Vijay Chandran, K.P.Keerthi kumar, K. Gopakumar (Calicut Insurance Institute)
		Actuarial Science: An Overview	S. Chidambaram (Affiliate Member Institute of Actuaries London)
		Demonetisation and its Impact on Indian Economy	Padmarajan. T, AGM, SBI Palakkad, T.K. Devarajan, Sashtira Sahithya Prishad
		Secondary Data Sources	P.C. Mohanan, ISS Former deputy general CSO
2	Mathematics	Linear Algebra	Maneesh Jacob, Asst.Prof CMS College, Kottayam
		Field Theory	
		Differential Equations	Adarsh, V.K, Asst. Prof. TKM College, Kollam
		Real Analysis	Liju Alex, Asst. Prof. BCM College, Kottayam
		Automato	Prof. Rajendran., Rtd. Prof. PSMO College, Tirurangadi
		Interactive Session	Dr. T. Sethumadhavan, Renounced educationalist, presently Director UL education
3	Physics	Blackhole	Dr. Sini, R., Asst. Prof. PWC, Calicut
		Interactive Hearing Machines	Dr. R.K. Sunil Kumar, Govt. College, Madappally
4	Botany	Plant Biodiversity	Dr. Sudheesh, Member Biodiversity Projects
5	Hindi	Premchand Literature: Relevance in the Changing Social Scenario	Dr. R. Surendran
6	History	History of Kozhikode	Prof. M.G.S. Narayanan
		Zamorins of Calicut	Prof. S. Rajeshkaran Nair
7	Political Science & Economics	Fidel Castro: Non Alignment Policy and Economic System of Cuba	Mr. Binoy Viswam, Former Minister
8	Physical Education	Meditation	Acharya Vijayaraghavan, Satyananda Yoga Research Centre, Calicut.
		Patanjali Yoga Sootra	Acharya Unni Raman, Patanjali Yoga Research Centre, Calicut
		Misconcepts and Clarification (National workshop on Yoga)	Sri. Vasudev Rao, Asst. Prof. S. Vyasa University, Bangalore. Mr. Chetana Ajith Kumar

			(Academic Director, Patanjali Yoga Vidya Peedam, Kochi.
9	Malayalam	Folklore	Dr. Raghavan Payyanad
		Translation Theories	Dr. Sommanathan
		Folklore	Dr. K.M. Anil
		Screenplay	Dr. RVM Divakaran
		Romanticism	Dr. M.C. Abdul Nazar
10	Sociology	Evolution of knowledge and politics	Dr. Raghavan Payanad
		Project works for under graduate	Dr. Sr. Licy, A.D.
		Sociology of Spatial Transformation (National Seminar)	Dr. M.A. Kalam, Prof. of Eminence, Tezpur University, Prof. D.D. Namboodiri Director CREST Kozhikode, Dr. K.G. Dilip, SSUS Kalady, Dr. Antony Palakal, Loyola College Tvm. Dr. Peter M. Raj, KILA Thrissur, Prof. R.K. Varghese, President KSS. Dr. Johny C. Joseph, visiting faculty Malayalam University, Dr. Thara Bai, Former President KSS, Dr. Abraham Vijayan, HOD, KNM College, Thiruvananthapuram.
11	Chemistry	Science and Society and Scientific Temper	Dr. Harikumaran Thampi, Asso. Prof. University of Calicut
12	English	Ayurveda and traditional medicines in modern health care	Mr. Ramanand
		Winning Habits	Sri. Balachandran Gopinath
		Fractured Reflections. Understanding Theory	Dr. K.K. Kunhammed
13	Commerce	Stock Market	Dr. Venugopal, Expert from Bombay Stock Market
		Class on Career Guidance	Dr. Mahesh, Asso. Director, DC Books
		Capital Markets and Investment opportunities	Dr. V.K. Vijayakumar, Chief financial strategist.
14	Sanskrit	Srimad Bhaghavatha	Swami Chithananda puri, Dr. C. Krishnan Namboodiri, N.K Padma Prabha, Prof. S. Rajasekharan Nair, Ayedam Kesavan Namboothiri
16	Physics, Chemistry, Mathematics, Botany, & Zoology	New Horizons in Indian Science and Technology	Dr. K.P. Prabhakaran Nair, Formerly Professor, National Science Foundation. Dr. Kishore Kumar, K., HoD, Dept. of Botany, Farook College. Dr. Sunil Mathew, Asso. Prof. NIT Calicut
17	Heritage Club	Swami Vivekananda and Reformation in Kerala	Prof. Rajashekaran Nair, Dr. Padma Prabha

18	Vykhari Club	Education in the Globalised era	Dr. Amruth.G.Kumar, Central University
19	Tourism Club	Tourism for Peace, Prosperity and Integration	Dr. Priyadarshini.P

The following programs were conducted by the various clubs and cells during 2015-17

Sl no	Club	Activity	Focus
1	Audio Visual Club	Documentary screening "Womenses"	Gender Sensitization
2	Bhoomithrasena Club	"Kaathu Vekkan Kanivinte Oru Thulli"	Water pots for birds and animals
3	Women Development Cell	Female students on the Awareness of Cyber Crime.	Women Empowerment & Awareness
4	Health & Yoga club	Blood group identification Camp	Health Awareness
		Personal Hygiene & Health	Health Awareness
		Yoga for students	Health Awareness
5	ACK Raja Drawing and Painting club	2 day artist camp	Fine arts
6	Folklore and Tourism Club	Food festival	Entrepreneurship
		Musical Performance "Pulluvanpattu"	Familiarising traditional art form
7	Dance & Music Club	Lecture demo on Odissi dance	Familiarising Indian classical dance forms.
		Lecture demo on Mohiniyattom	Familiarising Indian classical dance forms.
8	English Club	Reading and Recitation Competition	Developing communication skills
9	Literary & Debate Club	Debate on Campus Politics	Debating skills

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

The students are offered support and counselling at different levels during the course of their programs. The tutorial system offers a comprehensive mentoring facility. Much of the academic and personal support is provided by the department itself. The Career Guidance Cell through orientation programs offer expert advice on career options and skill development. Student counselling centre has provided personal and psycho – social support to the needy students. Students with serious psychological ailments were directed to consult experts in the field.

**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?**

- Centralised internal examination system
- Attendance Monitoring System
- Collection of feedback during each semester for all the programs
- Attendance monitoring made strict. Students with shortage of attendance are informed about it at the end of each month.
- Career Guidance Cell to develop the soft skills of the students and help them get placements.
- Use of ICT and CAL made imperative in the teaching-learning process.
- Open book examinations and online examinations are conducted as part of continuous evaluation.
- PowerPoint presentations, debates and group discussion session are conducted by the various departments.
- Smart class rooms have helped in inspiring teaching learning process with digital teaching.
- Field visits and study tours are also conducted
- Paper free e-assignments are given to the students which enables them to inculcate ICT enabled learning process

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

The librarian/staff helps the students to search for books, E-journals and other learning materials. New arrivals are kept in open racks to attract and create interest in readers. Broadband Internet connection- 2 Mbps is available in the library. The first year students are given an orientation on the rules and regulations of the Library. Both teachers and students have access to internet services during the working hours free of any cost. Reprographic facility is available at the Student Support Centre. Online access to e-journals is provided through INFLIBNET. Book reservation facility is provided. Search

and location assistance for printed as well as e-learning resources through N-List and other educational web-sites are provided. Regular feedback is collected from library users.

**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.**

Student agitations and holidays sometimes pose difficulty in completing the curriculum. However this difficulty is overcome through the conduct of special classes and remedial sessions.

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

The quality of teaching is analysed through the outcome of continuous evaluation. It is first analysed in department meetings. Then it is evaluated by the CUCBCSS committee. The College Council is the superior body that evaluates and finds remedy to the problems arising in the process. Feedback collected from students at the end of each semester also helps in evaluating the quality of teaching learning. The paper wise consolidated report of student feedback is analysed by the IQAC and remedial measures are suggested. The functioning of the internal academic audit committee is also instrumental in monitoring and evaluating the quality of teaching learning. Frequent PTA meetings are conducted to discuss the problems of the students.

**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 members of the faculty are selected by a duly constituted Staff Selection Committee, which includes the District Collector representing the Government and a subject expert, as per the provision of the statute of the University of Calicut and the rules of the Government of Kerala prevailing from time to time. The college appoints guest lecturers in the event of some delay in appointing permanent staff.

The following table gives the details of teacher quality during the academic year during 2016-2017

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc/D.Litt	-	-	-	-	-	-	-
Ph.D	-	-	4	6	11	8	29
M.Phil	-	-	5		3	4	12
PG	-	-	1	3	4	21	29
Temporary Teachers							
Ph.D.	-	-	-	-	1	1	2

M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	2	16	18
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

The institution provides an enabling work culture to retain the faculty. The management encourages research activities in the campus. Faculty is encouraged to present research papers both at national and international levels. Remission of work is permitted to present papers at seminars. The management encourages the participation of faculty members in refresher courses and training programmes and also to avail Faculty Development Programs for Research. Training sessions are conducted to update the knowledge level.

The PG departments have all initiated the process of upgrading to research departments. This also serves to retain the young faculty.

**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.**

Senior teachers update their knowledge in new vistas. The institution encourages teachers to participate in seminars and workshops to enhance faculty knowledge in these emerging fields. Junior teachers who are well-versed in the new areas of knowledge are employed, encouraged and promoted in enhancing their quality to meet the requirements of the time.

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

**a) Nomination to staff development programmes:**

Faculty / Staff development programmes	No. of faculty benefitted	
	2015-16	2016-17
Refresher Courses	8	Nil
UGC- Faculty improvement programme	5	5
HRD Programmes	Nil	Nil
Orientation Programmes	2	Nil
Faculty exchange programme	Nil	Nil
Staff training conducted by the university	3	Nil

Staff training conducted by other institutions	Nil	2
Summer/ winter schools, workshops etc	3	4
Others	Nil	Nil

**b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning methods/approaches handling new curriculum**

The University and the institution have provided training programs to enable the faculty to handle the new curriculum. An orientation class was conducted providing training to teachers regarding the new attendance software system.

**Percentage of faculty**

- **Invited as resource person in Workshops /Seminars/Conferences organized by external professional agencies.**
- **Participated in external Workshops/Seminars/Conferences recognized by professional bodies.**
- **Presented papers in Workshops/Seminars/Conferences recognized by professional agencies.**

	No. of Faculty	International level	National Level	State Level
2015-2016	Attended	08	33	01
	Presented Papers	14	43	02
	Resource Person	01	11	04
2016-2017	Attended	07	19	06
	Presented Papers	25	36	05
	Resource Person	01	07	09

**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 Management provides sanction for FDP leave and also encourages faculty by permitting them to participate in Workshops and Seminars. They also advance necessary amounts to faculty to supplement the delay in getting salary during FDP. They also support the faculty by giving grants to participate in International Conferences.

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

The free atmosphere created by a rapport between the management and teachers provide a fertile haunt for creativity to flourish resulting in the receipt of such awards. Moreover this institution has hosted a number of students who have been world famous statesmen, politicians, journalists and creative writers who were socially responsible citizens.

Name	Year	Award
Dr. Meera, P.I (Dept. of Hindi)	2015	Abhayadev Smaraka Bhasha Samanwaya Puraskar
Unnikrishnan, S. (Dept. of Malayalam)	2015	Yuva Prathibha Puraskaram (Vivekananda Darshana Vedi)
	2016	Durgadatta Puraskaram (Tapasya Sahitya Vedi)
Praseetha, P. (Dept. of History)	2017	Best NSS Programme Officer Award
	2015	Sahitya Sree Award
	2015	Asan Prize

Arya Gopi (Dept. of English)	2015	Yuva Prathiba Puraskar ( ONV Cultural Academy)
	2015	Ankanam Award
	2015	Kerala State Government Youth Welfare Board
	2015	M. Sukumaran Memorial Kala Kaumudi Award
	2016	Swami Vivekananda Award for Literature
	2016	Youth Icon Award (Govt. of Kerala)
	2016	Harisree Radhakrishnan Smaraka Kavitha Award
	2016	Vayalar Ramavarma Poetry Prize
	2016	M N Kuruppu Smaraka Kavitha Puraskaram
	2016	Kalakaumudi Mahakavi Pallath Raman Puraskaram
	2016	Kozhisheru Balaraman Yuva Award
	2017	Dubai Yuva Award (ONV Foundation)
	2017	Avani Balasahithya Puraskaram

**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?**

The institution has a mechanism for students to evaluate teachers. The IQAC has prepared a feedback form and feedback is collected from a sample group each semester. The feedback is collected by the respective departments and analysed within the departments. The teachers make improvements/changes after analysing the feedback data. The Paper wise consolidated report of student's feedback is analysed by the IQAC and remedial measures are suggested. The feedback is often used to improve communications with weaker students. Extra help is given to student groups thus identified. Teachers are evaluated on the basis of API Score as part of the PBAS by a screening committee constituted by the University consisting of external peers. Teachers constantly make efforts to enhance the quality of the teaching learning process.

**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?**

Through effective tutorial system and PTA meetings the institution ensures that the students and other stakeholders are aware of the evaluation processes. PTA meetings are conducted at least once each semester by the departments

and PTA General Body is convened annually to ensure overall performance and stakeholder feedback. Orientation classes are provided to all first semester students, which helps to familiarise them with the curriculum pattern and evaluation processes

**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 Institution follows the pattern provided by the University which includes two internal examinations and one external examination in each semester. The first internal semester examination is conducted on a departmental basis. A centralised internal examination committee constituted by the institution monitors the conduct of the second internal examination. Students are also evaluated on the basis of their seminar paper presentation, Power Point presentation, assignments and viva voce. In the sixth semester there is a Project submission and a viva-voce. These processes are monitored by the CUCBCSS cell of the College. The College has implemented these changes in a timely manner and has not felt the necessity to alter the efficient system formulated by the University.

**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 College Council makes a detailed discussion on reforms like marks/grade systems, CUCBCSS and entrusts the implementation of their decisions upon the Committee called CUCBCSS Cell under the leadership of a Convenor and representatives from each department. The Cell ensures that the various branches of the College follow the time schedule of the University, regarding completion of syllabus, conduct of internal exams and timely uploading of internal marks to the University website.

**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.**

Two formative assessments and one summative assessment are conducted every semester. In addition to this class tests, seminar presentations, written assignments, and mock viva are conducted within the college. It helps the students who are weak in either written or oral presentation of the study material to enhance and balance their performance.

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

Grievance Redressal cells are functioning at the department level and college level for addressing the grievances of the students regarding internal assessment. Internal marks are finalised after addressing the grievances and compensating for the genuine grievances. The weightage assigned by the University at present for internal assessment is 20 marks. The division of marks is as follows: 5 marks for attendance, 5 each for the first and second internals, and 5 for written assignments/seminar presentations. These marks are allotted taking into consideration the academic performance, independent learning skill, communication skills, etc. of the student.

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

The graduate attributes specified by the college are:

- Ability to pursue higher education
- Employability skills
- Formation of good responsible citizens

By ensuring the quality of the student in academics, communication, social sensibility, responsibility to the community, and the ability to build positive relationships with the larger community through curricular, co-curricular, and extra-curricular activities, the College facilitates the attainment of the graduate attributes.

**The following scholarships are instituted for students to pursue higher education:**

1. FOUNDER'S MEDAL for the student who distinguishes himself/herself by outstanding performance in one of the degree examinations Arts, Science & Commerce. (Donors: Members of Zamorin's *Swaroopam*).
2. SCIENCE SCHOLARSHIPS for the best students in all 5 Science Batches (Botany, Zoology, Chemistry, Physics and Mathematics) who secures highest score in University Examination
3. P.K.S.RAJA MEMORIAL ENDOWMENT SCHOLARSHIP to the best girl student who has joined the 1<sup>st</sup> M.Sc. Physics course after completing B.Sc. Physics from this College, She would be the recipient of the same next year provided she continues the course.

**The following Prizes are given to socially responsible students:**

1. MUHAMMAM AMIN SHIROS MEMORIAL ENDOWMENT (NSS) to the best NSS volunteer (s) of the academic year (Donor: Deepak Kumar, K., former student of this college, in memory of his friend and classmate, Shiros who was also a former student of this college).
2. Prize sponsored by Mrs. Krishnaveni, Assistant Professor of Mathematics in memory of her late father Sri. Balakrishnan Nambiar for the students of Mathematics who have shown exemplary social commitment.

P.T.4 **What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?**

There is an Academic Grievance Redressal Cell in the University. Before placing complaints to this Committee, the students are directed to place their grievances with their class tutors and the departmental coordinators of CUCBCSS. If the issue is not resolved, they may approach the Grievance Redressal Cell of the College. Maximum efforts are taken by the institution for effectively addressing the student's grievances.

## 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 internal and external marks are displayed in the college notice board. A committee for CUCBCSS evaluation monitors the learning outcome and reports the same to the College Council. The Council takes decisions to alter and improve the quality of students as reflected in the learning outcome. The internal academic audit committee also evaluates the results and suggests necessary measures to be taken.

**P.T.4 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.**

The institution tracks the progress in academic affairs by conducting meetings of the heads of the departments and tutors to discuss the progress of the students. The results of the examinations have been progressive. Departmental meetings are held at the end of each semester to evaluate the progress of the students and the feedback received is effectively used to bring about the necessary changes.

Title of the Programme	2015-2016		2016-2017	
	Total no of students appeared	Pass %	Total no of students appeared	Pass %
UG				
Economics	43	79.10	45	71.10
English	31	83.87	-	-
History	43	81	33	70
Sociology/Malayalam	37	100	47	40
Hindi/History	31	68	23	83
Mathematics	40	67.50	43	58.10
Physics	38	95	44	50
Chemistry	44	82	45	71
Botany	30	100	27	70.4
Zoology	29	86.20	29	82.80
Commerce	45	80	58	65
BBA	23	56.50	28	50
PG				

Economics	20	100	Result awaited
Sociology	20	95	
English	34	85	
Malayalam	13	100	
Botany	12	100	
Chemistry	11	91	
Health & Yoga	11	91	
Commerce	20	89	

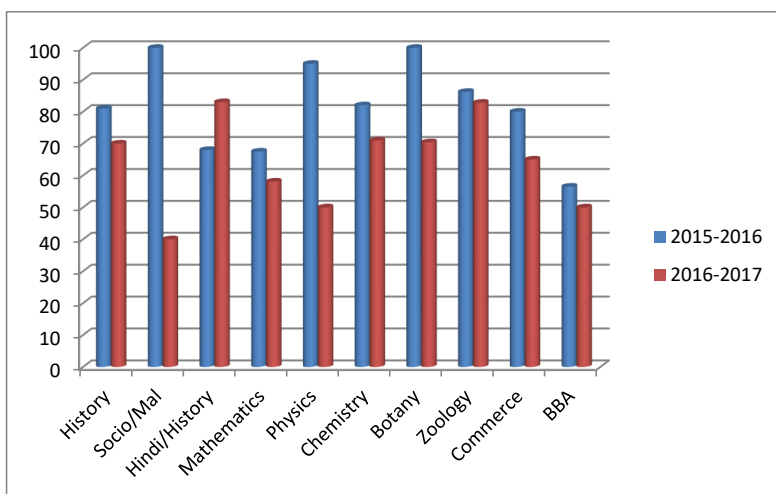


Figure 3: UG Pass Percentage

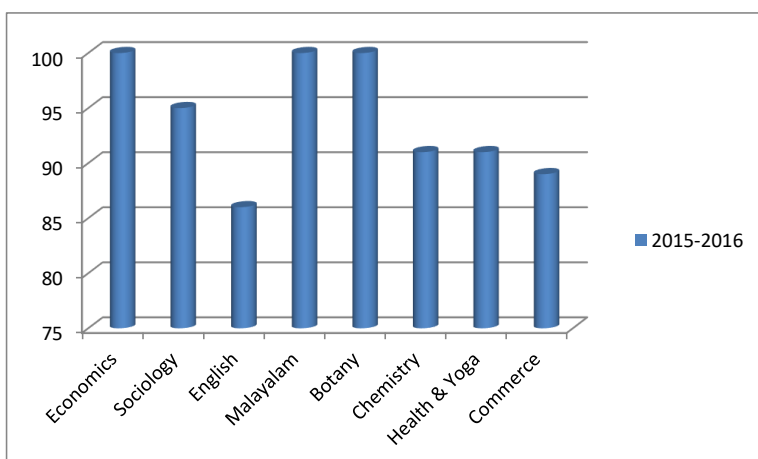


Figure 4: PG Pass Percentage

**P.T.4 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?**

Assessment strategy structure is as follows:

- Tutorials in each class
- Regular Department meetings
- Monitoring by CUCBSS Committee
- Evaluation by the College Council
- Evaluation by Academic Audit Committee
- Guidance and suggestions by IQAC
- University intervenes through Boards of Studies and the Academic Council

**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?**

All the courses offered by the University are oriented towards social and economic significance. Further, the Department of Commerce and the Entrepreneurship Development (ED) Club strives to enhance the entrepreneurial capabilities of the students. The Science Departments, Nature Club, and Bhoomithrasena Club conduct industrial visits and study tours oriented towards the enhancement of placement capabilities and conservation of nature. The Humanities Departments train students to become socially committed individuals. Improvement of aesthetic qualities is focused by the Departments of Arts. The College has a Career Guidance Centre which also ensures dissemination of career opportunities and placements. Activities of the College Union provide a platform for the development of critical thinking and innovative and leadership attributes of the students. The ZCIR promotes UG and PG students to present and publish research papers in reputed journals. All these in turn, orient the students towards research.

Details of Campus Placement:

Year	On campus			Off campus
	Number of organizations visited	Number of students participated	Number of students placed	Number of students placed
2015-16	04	160	21	28
2016-17	04	160	21	12

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

Through departmental meetings, CUCBCSS Cell, and the College Council, and the academic audit committee the results are collected and evaluated to

identify the weak and meritorious students. From the first year onwards, the weak students are encouraged to improve their performances through Scholar Support Program. The students belonging to weaker sections of the society are given remedial coaching. Noon meals are provided by the PTA to prevent dropouts and to sustain interest in pursuing academics. The meritorious students are provided additional institutional support through Walk with the Scholar program.

**P.T.4 How does the institution monitor and ensure the achievement of learning outcomes?**

The institution monitors and ensures the achievement of learning outcomes through the conduct of class tests, internal examinations, seminars and PPT presentations.

**P.T.4 Do 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. Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.**

Yes. The institution and the individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance. The two internal tests and the seminars help in the proper evaluation of students. Exceptionally good students who show an aptitude for research, is encouraged to participate in inter collegiate paper presentation competitions and quiz competitions. The feedback forms filled in by the students also help in assessing problem areas and changes are effected wherever possible.

### CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

#### 3.1 Promotion of Research

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

The institution has five PG departments upgraded to research centres. The Departments of Economics, Malayalam, English, Chemistry and Botany offer research programmes for about twenty nine students.

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

The Zamorin's Centre for Interdisciplinary Research (ZCIR) monitors research activities of the teachers and also conducts programs to encourage and support the students to undertake different research related activities. The ZCIR also motivates the faculty to take up fundamental research designed to address the various contemporary issues, so that the nature of the problem and hence its solution can be identified. ZCIR provides information pertaining to Research Funds and assistance for seminars and helps to obtain funds from various funding agencies.

The members of ZCIR are as follows:

#### Members

- |                             |   |                    |
|-----------------------------|---|--------------------|
| 1. Dr. G. Indiradevi        | - | Co-ordinator       |
| 2. Dr. Anitha Ramesh, K.    | - | English            |
| 3. Dr. Usha, P.             | - | Malayalam          |
| 4. Mr. Santhosh kumar, K.T. | - | Hindi              |
| 5. Dr. Sreekumaran, C.      | - | Sanskrit           |
| 6. Mr. Ranjith Raja, P.C.   | - | Sociology          |
| 7. Dr. Mallika, M.G.        | - | Economics          |
| 8. Ms. Saleena, K.K.        | - | History            |
| 9. Dr. Rajan Malayil        | - | Commerce           |
| 10. Ms. Krishnaveni, P.     | - | Maths              |
| 11. Mr. Subeesh, T.P.       | - | Physics            |
| 12. Dr. Indulekha, P.       | - | Botany             |
| 13. Dr. Sudheer, K.         | - | Zoology            |
| 14. Dr. Jayakumar, R.       | - | Physical Education |
| 15. Mr. E. D. Sani          | - | Statistics         |
| 16. Ms. Tanuja Raghavan     | - | Political Science  |

##### 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 autonomy to the Principal Investigator and helps to obtain necessary resources at proper time. A full fledged Research Centre has been constructed to provide good infrastructure and ICT support to create a conducive research climate in the institution. Separate research labs are provided for the researchers in the Department of Botany and Chemistry. Assistance is provided for timely auditing and submission of utilisation certificates to the funding authority. The ZCIR, the Planning Board and the UGC cell support the faculty who undertake research projects to obtain all types of assistance. Rooms have been allotted for the functioning of the research centres of the social sciences and the language departments.

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

The IQAC and the ZCIR, a forum for interdisciplinary research in the campus strives to create research climate in the institution. A national seminar on “Facilities and schemes of UGC-DAE-CSR for college and university researchers” was organised under the auspices of the IQAC on 27/11/2015 in connection with the inaugural function of the research centre. The department of Sociology organised a talk on the topic “ Theoretical foundation of research in social sciences” by Dr. Ramakrishnan, Dept. of Sociology, Manonmaniyan Sundarar University. A research methodology workshop was organised for the PG students by the department of Economics with Dr. Shyajan Daviz as the resource person. The department also conducted a talk on “Secondary Data Resources” by Sri. P.C. Mohanan.

#### **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.)**

Research projects by faculty include:

##### **Major Projects:**

- Dr. Manju C. Nair (Assistant Professor of Botany): Title of Major Project: Systematic and Molecular Characterization of the Family Fissidentaceae (Bryophyta) of Western Ghats [Order no.: DST File no. SB/FT/LS-195/2012. Dated: 26.04.2013]. [Funding agency: Department of Science and Technology (DST)-SERB]. [Rs.: 24,60,000/-]. [Date of start 01.07.2013 Date of completion: 30.06.2016]. Completed

- Dr. Manju C. Nair (Assistant Professor of Botany): Title of Major Project: Systematic studies on the Bryophytes of Peechi, Vazhani wild life sanctuary in Thrissur district, Kerala [Order no.: 031/ SRSLs/ 2014/CSTE Dated: 01.04.2016]. [Funding agency: KSCSTE [Rs.: 17,34,400/-]. Ongoing
- Dr. Leon Prasanth (Assistant Professor of Chemistry): Title of Major Project: Investigation of enatio-reversal in the chiral ligand surface capped metal nanoparticles catalysed reactions. [Order no.: DST-SERB File no. SB/FT/CS-180/2011. Dated 01.08.2013]. [Funding agency: Department of Science and Technology (DST)-Science & Engineering Research Board, New Delhi (SERB)]. [Rs.: 15,48,000/-]. ongoing

**Minor Projects:**

- Dr. Ranjith Raja, P.C. (Assistant Professor of Sociology): Title of UGC Minor Project: A sociological study about the impact of gulf migration on institution family: a special focus on single parenting from Kerala- comparative analysis. [UGC SWRO Order no. 1619-MRP/14-15/KLCA024 dated 04.02.2015]. [Rs. 2,30,000/-]. Completed
- Dr. Suneetha, T.V. (Assistant Professor of Malayalam): Title of UGC Minor Project: Influence of cyberspace in Malayalam short stories. [UGC SWRO Order no.1620-MRP/14-15/KLCA024 dated 04.02.2015]. [Rs. 1,80,000/-]. Completed
- Dr. Kavitha Raman (Former Assistant Professor of Dept. of Malayalam): Title of UGC Minor Project: Theoretical study on male gaze in Malayalam movies with focus on three path breaking movies of three decades. [UGC SWRO Order no. 1621-MRP/14-15/KLCA024 dated 04.02.2015]. [Rs. 90,000/-]. [Ongoing]
- Dr. P.C. Rethi Thampatty (Retired Principal & Associate Professor of Commerce): Title of UGC Minor Project: Problems of women workers at tollbooths and petrol bunks- a study with special reference to Kozhikode district in Kerala state. [UGC SWRO Order no.1618-MRP/14-15/KLCA024 dated 04.02.2015]. [Rs. 1,00,000/-]. [Ongoing].
- Dr. Indira Devi, G. (Associate Professor of Chemistry): Title of UGC Minor Project: Synthesis and characterisation of some benzilic acid amino acid transition metal complexes and their spectral, thermal, antifungal and antibacterial studies. [UGC File No. MRP(S)-0616/13-14/KLCA024/UGC-SWRO dated 26.03.2014. [Rs. 1,52,000/-] Completed
- Dr. Mahesh, C. (Assistant Professor of Sociology): Title of UGC Minor Project: Male Dominated Politics and Participation of Women in Local Self Governing Bodies in Malabar Region. [UGC order no. MRP(H)-296/12-13/KLCA024/UGC-SWRO dated 23.09.2013] [Rs.1,63,000/-] [Completed]
- Dr. Meera, P.I. (Assistant Professor of Hindi): Title of UGC Minor Project: Cultural glimpses of Kashi in Neelachand (Hindi) and

- Varanasi (Malayalam): a comparative study. [UGC order no. MRP(H)-298/12-13/KLCA024/UGC-SWRO dated 29.03.2013] [Rs.1,40,000/-] Completed
- Dr. Mallika, M.G. (Assistant Professor of Economics): Title of UGC Minor Project: Female invisibility and the time utilization pattern – a case study of Kozhikode district. MRP(H)-293/12-13/KLCA024/UGC-SWRO dated 29.03.2013] [Rs.1,40,000/-] Completed
  - Ms. Anooja Chacko (Assistant Professor of Economics): Title of UGC Minor Project: Livelihood strategies of chronically disabled: a case study of Kozhikode district. [UGC order no. MRP(H)-297/12-13/KLCA024/UGC-SWRO dated 29.03.2013] [Rs.1,45,000/-] Completed
  - Sri. Anil Varma, R. (Assistant Professor of Economics): Title of UGC Minor Project: Theoretical and empirical study on ASEAN-India free trade agreement- a cases study of Kerala's plantation sector. [UGC order no. MRP(H)-295/12-13/KLCA024/UGC-SWRO dated 29.03.2013] [Rs.1,50,000/-] Completed
  - Mrs. Saleena, K.K. (Assistant Professor of History): Title of UGC Minor Project: Migration from Travancore to Malabar: a historical analysis of Kuttiaady region. [UGC order no. MRP(H)-293/12-13/KLCA024/UGC-SWRO dated 29.03.2013] [Rs.1,15,000/-] [Completed]
  - Sri. Shailendra Varma, R. (Assistant Professor of Sociology): Title of UGC Minor Project : Impact of Development Induced Displacement on Neighbourhood Relations – A Case Study of Olavanna Panchayath in Kozhikode. [MRP (H)-0300/12-13-/KLCA024/UGC-SWRO dated 23-Sept-2013] [Rs 90,000/-] [Completed].
  - Dr. Sudheer, K. (Assistant Professor of Zoology): Title of UGC Minor Project: Studies on The Systematics of Porizontinae (hymenoptera: Ichneumonidae) of Malabar Area of Kerala. [UGC Order No. MRP(S)-1363/11-12/KLCA024/UGC-SWRO dated 28.03.2014] [Rs.1,80,000/-] [Completed]
  - Dr. Anitha Ramesh, K. (Associate Professor of English): Title of UGC Minor Project: Fictionalizing facts: exploring the interface between journalism and fiction in the works of select Indian authors. [UGC Order no. MRP(H)-1603/11-12/KLCA024/UGC-SWRO dated 03.11.2011]. [Rs. 1,30,000/-] [Ongoing]
  - Dr. Sreeranjini, G. (Assistant Professor of Malayalam): Title of UGC Minor Project: Archetypes in Vishnunarayanan Nambuthiri's poems. [UGC File No. MRP(H)-1605/11-12/KLCA024/UGC-SWRO dated 03.11.2011. Rs.70,000/-] [Completed]
  - Mr. Unnikrishnan, S. (Assistant Professor of Malayalam): Title of UGC Minor Project: Socio-cultural contributions of the Zamorin's of Calicut. [UGC File No. MRP(H)-1607/11-12/KLCA024/UGC-SWRO dated 03.11.2011. Rs.70,000/-] [Completed]
  - Dr. Usha, P. (Assistant Professor of Malayalam): Title of UGC Minor Project: Kadavallur Anyonyam-its Ideology and Culture [UGC File

No. MRP(H)-225/15-16/KLCA024/UGC-SWRO dated 25.04.2016. Rs.89,500/-] Ongoing)

- Smt. Deepa, E., (Assistant Professor of Economics): Title of UGC Minor Project: Economic Empowerment and human development of the Girl Child through education with special reference to Schedule Caste and Scheduled Tribe. [MRP (H) 2252/15-16/KLCA/UGC-SWRO dated 25.04.2016.Rs. 50000/- ](Ongoing)
- Dr. K. P. Rajesh (Assistant Professor of Botany). Title of UGC Minor Project: A survey of the Bryophyte of lowlands and midlands of Malappuram District, Kerala. [UGC SWRO 2250-MRP /15-16/KLCA024/UGC SWRO dated 25.04.2016 [Rs.1,50,000/-]. Ongoing.

#### **Collaborative Research Projects**

- Dr. N. E. Rajeevan (Associate Professor of Physics), as Principal Investigator, with UGC-DAE Mumbai Centre, Bhabha Atomic Research Centre funded (Rs. 1,05,000/-) Project on “Study of Magnetic structure in Spinel Multiferroic materials by Neutron Diffraction”; CRS-M-179. Completed
- Dr. K. P. Rajesh (Assistant Professor of Botany), as Co-investigator, with Kerala State Planning & Economic Affairs Department (Western Ghat Development Programme) funded (Rs. 8,36,000/) Project “Exploration and establishment of conservation repository of Pteridophytes of the Western Ghats of Kerala” at Malabar Botanical Garden, Kozhikode. Completed
- Dr. Arun Kumar, T. K. (Assistant Professor of Botany), as administrative collaborator and curator of an online database (non-funded), AFTOL Structural and Bio chemical Database (AFTOL SBD; aftol.umn.edu) of the “Tree of Life” consortium (involving several International laboratories, and multi-investigators), hosted by the Minnesota Supercomputing Institute, University of Minnesota, USA. Ongoing

#### **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 imbuing research culture among the staff and students.**

The department of Sociology organised a talk on the topic “Theoretical foundation of research in social sciences” by Dr. Ramakrishnan, Dept of Sociology Manonmaniyan Sundarar University. A research methodology workshop was organised for the PG students by the department of economics with Dr. Shyajan Daviz as the resource person. The department also conducted a talk on “Secondary data resources” by Sri. P.C. Mohanan. Two sessions on ‘Motivational Skill Development and Motivation towards Excellence’ were organised by the department of Zoology by Sri. Bharath Das, V. and Dr. M. Madhavikutty respectively. Department of Malayalam conducted a talk

on 'Research Methodology New Problems' by Chattanath Achuthanunni.

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

Research projects undertaken by students under the guidance of Dr. M.G Mallika span the following areas:

- Globalisation and Labour Market Flexibility with special reference to Head Load Workers in Kerala
- Food Inflation and its Impact on Urban Poor
- Poverty Measurement in India; Exploring a New Methodology
- Female Contribution to National Income Evolving a New Methodology
- Including Value of Environment in National Income Calculation; A Theoretical and Empirical Study
- Rehabilitation of Migrant Street Children in Kerala
- Human Capital Development and Labour Productivity with special reference to Kerala

Dr. M.G. Mallika is actively involved in women's issues occurring in and outside the campus. She is a well known economist and activist who deliver talks on the All India Radio and on television channels. She has to her credit innumerable deliberations on various public platforms ranging from schools to conferences conducted by public organisations.

Research projects undertaken by research scholars of the Department of Botany under the guidance of Dr. K.P. Rajesh are as follows:

- Ecological and Taxonomic studies on the Ferns and Lycophytes of Palghat Gap and adjacent regions of Western Ghats.
- Pteridophyte diversity of Aralam Wild Life Sanctuary, Kerala.
- Taxonomic and ecological studies of the family Dryopteridaceae in South India

Research projects undertaken by research scholars of the Botany Department under the guidance of Dr. Manju, C. Nair are as follows:

- Systematic studies on the family Fissidentaceae (Bryophyta) of Western Ghats.
- Eco-systematic studies on Bryophytes of Malabar Wild Life Sanctuary, Kerala.
- Systematic studies on the Bryophyte flora of Mathikettan Shola National Park in Kerala, India
- Taxonomic studies on the order Marchantiales of South India.

Research project undertaken by research scholar of the Department of Botany under the guidance of Dr. Arun Kumar, T.K. is as follows:

- Systematic Studies on the Clavarioid Fungi of Kerala

Research projects undertaken by research scholars of the Department of English under the guidance of Dr. Rajani, B. are as follows:

- Mapping the Third Space: A Critique of Select Transgender Autobiographies and Biopics as Reverse Discourse
- Narratives of Traumatised Childhood: A Study of Select Novels across Cultures.

Research projects undertaken by research scholars of the Department of Malayalam under the guidance of Dr. Usha, P. are as follows:

- Malayalm Kavitha Sahithyithinu Vettathu Nadinte Sambhavanakal. (Submitted the Ph.D. thesis on 29-08-2017 to the University of Calicut.)
- Edasseriyyude Kavyashaily
- R. Ramachandrante Kavithakal.

Research projects undertaken by research scholars of the Department of Malayalam under the guidance of Dr. Sreerajani, G. Nair are as follows:

- Samskarika Prathirodham Utharadhunika Kavithayil (P.P. Ramachandran, Rafeek Ahammad, Veerankutti, Anwar Ali Ennivarude Kavithakale Aspadamakki Oru Padanam)
- Malayalathile samakalika balanataka vedi: manasasthraparamaya oru visakalanam.
- Keralathile rashtreeya mudravakyangal: Akhyaana parisaravum rashtreeya abodhavum (Punnapra vayalar, Vimochana samaram, atiyantharavastha ennee Prakshobhangale keendreekarichulla Padanam)
- Allegory Adhunika Malayala kavithayil (Kadammanitta, Sachidanandan, N.N. Kakkad, Ayyappa Panicker Ennivarude kavithakale munnirthiyulla Padanam)

Faculty members of the Department of Botany have proven track records in the research of basic aspects, such as, documentation of plant diversity, identification of potential anti-fungal and anti-bacterial botanicals, etc. In recent years, the Department has become one of the few centres in the state, and in the country, studying the diversity of the cryptogams such as bryophytes and pteridophytes. Its fungal diversity study centre is of international repute. Dr. Arun Kumar, T.K. of the Department has specialization in Fungal Taxonomy, Mushroom Taxonomy, Polyporoid wood decay fungi, Isolation of Fungal endophytes, etc. The Department is now training its students and research scholars in these aspects. In addition to basic research, it is now trying to incorporate modern aspects, such as molecular characterisation, to be competent with the standards of the present age. Its faculty members also act as experts on various bio-diversity and ecology

related court cases. Documentation and utilization of plant diversity, especially the least studied or ignored groups such as bryophytes, pteridophytes and fungi are the strength and tradition of the Department of Botany.

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

The departments conduct special lectures and seminars with the involvement of faculty, students and experts in the respective fields. Given below is the list of eminent scholars who delivered lectures in the college during the period 2015-17

Dr. Kishore Kumar, K. (Assist. Prof. Botany, Farook College)
Dr. Muhammed Salim
Dr. Renjith, P.
Dr. Revathy, P.
Dr. Libu. K. Alexander
Prof. Dr. M.G.S. Narayanan
Mr. Khader Palazhi
Mr. K.F. George,
A.M. Shinaz
Dr. Sudha Krishnan Unni
M.C. Vasisht, K. Sreejith
Mr. M.K. Raghavan, Member of Parliament
Prof. Rajashekharan Nair
Dr. K. Gopalankutty, Former HoD, University of Calicut
Adv. Sarath Chandran, Practicing advocate Madras High Court,
Adv. V.V.Viswambaran
Dr. R. Surendran
Sri. Acharya Vijayaraghavan, Satyananda Yoga Research Centre, Calicut.
Dr. Sudheer, K.
Mr. Maneesh Jacob, Asst. Prof CMS College, Kottayam
Dr. Sudheer, K., Assist. Prof. Farook College
Mr. Mafeed, Asst. Prof. CAPE Vadakara
Ms. Deepa, V., Research Scholar NIT
Mr. Shabin, P., Asst. Prof. Kerala Govt. Polytechnic
Adarsh.V.K., Asst. Prof. TKM College, Kollam
Dr. Muhammed, C.P.
Dr. Jomy Augustine, Asst. Prof. St Thomas College, Pala.
Dr. Jafer Palot, ZSI, WGRC
Mr. Prabha Varma
Dr. Ramakrishnan, Manonmaniyan Sundaranar University

Dr. Rijula, P.K., KNM Govt Atrs and Science College, TVM
Dr. Sara Neena, Asso. Prof., Vimala College Trissur
Dr. Kalam, Prof. of Eminence, Tezpur University
Mr. Shabil Krishnan (Organic farmer and health inspector)
Mr. Dibin, Organic Farmer
Mr. Rajeesh, C.S., Research Scholar, JNU
Mr. A. Raghavan, Deputy General Secretary SBI
Dr. Shyjan Davis, Asso. Prof., University of Calicut
Mr. Vijay Chandran
Mr. K.P. Keerthi kumar
Mr. T.K. Gopakumar (Calicut Insurance Institute)
Mr. T.K. Devarajan, Sashtra Sahithya Prishad
Mr. S. Chidambaram Affiliate Member Institute of Actuaries London
Mr. Padmarajan, T., AGM, SBI, Palakkad
Mr. P.C. Mohanan, ISS Former Deputy General CSO
Mr. Maneesh Jacob, Asst. Prof. CMS College, Kottayam
Mr. Adarsh, V.K., Asst. Prof. TKM College, Kollam
Mr. Liju Alex, Asst Prof BCM College , Kottayam
Prof. Rajendran., Rtd Prof PSMO College Tirurangadi
Dr. Sini, R., Asst. Prof. PWC, Calicut
Dr. Sunil Kumar
Dr. Sudheesh, Member Biodiversity Projects
Dr. R. Surendran
Dr. M.G.S. Narayanan
Prof. S. Rajeshekar Nair
Dr. R. Surendran
Sri. Binoy Viswam
Acharya Unni Raman, Patanjali Yoga Research Centre, Calicut
Dr. Raghavan Pyanad
Dr. Sommanathan
Dr. K.M. Anil
Dr. RVM. Divakaran
Dr. M.C. Abdul Nazar
Dr. Kunhamed , Professor Kannur University
Dr. Zahira Rahman, Former HOD Dept of English
Dr. Lalitha Menon, Former HOD, PWC, Calicut
Mr. Ramanand, Research Scholar JNU
Sri. Balachandran Gopinath, Soft Skills Trainer
Dr. Lisa Sreejith, Department of Chemistry , NIT, Calicut
Dr. George Mathew, Dept of Chemistry, St.Mary's College
Dr. Muhammed Shafi, Dept of Chemistry, University of Calicut
Dr. Govind Raj, Dept of Chemistry, MCC Calicut
Dr. Aneez, Dept of Chemistry, PSMO College , Tirurangadi
Dr. Sr. Lincy .A.D
Mr. Sudheesh, Biodiversity Board Wayanad
Dr. Harikumar Thampi, Asso. Prof, University of Calicut

Dr. Venugopal, Expert from Bombay Stock Market
Dr. Mahesh, Asso. Director, DC Books

The Department of Physical Education has signed three MoUs with FAITHS (The Foundation for Assessment and Integration of Traditional Health Systems) Bengaluru and VYASA (Vivekanda Yoga Anusandhana Samsthana) Bengaluru. The main areas of collaboration with FAITHS include Yoga Research, Yoga Therapy, Education Programme, Research, Education and Hospital Consultancy. The main areas of collaboration with VYASA include the field of co operation in yoga, Ayurveda, public health and personal hygiene; exchange of programs, scientists and students and funding for the link programs.

**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?**

The University does not provide sabbatical leave for research activities. At present FDP is provided for pursuing M.Phil. and Ph.D. About 95% of the teachers engaged in active research avail the FDP facility which has helped in improving the research ambience of the institution. The FDP facility was availed by five faculty of the institution during the period 2015-17. Leave on duty is also provided for attending seminars and workshops conducted by other institutions.

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

The Department of Chemistry is working on a project for testing the purity of water which will help the people of the locality in identifying pure water sources. The Department of Botany also has a project for testing soil quality. Both these projects are awaiting sanction from the authorities. The researchers in the field of arts communicate with the larger community to inculcate cultural values. The researchers also engage in active discussion in the visual and print media.

**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.**

For the functioning of the research committee (ZCIR), the PTA as well as the management provides sufficient financial support.

The Research Block is intended exclusively for research. It was constructed to commemorate the one hundredth birthday of the former patron, H.H the Zamorin Raja of Calicut. An amount of one crore sixty lakhs was allocated for the completion of the research centre by the Management. The Research Centre was inaugurated on 27/11/2015 in the presence of eminent scientists and social scientists.

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

There is no provision in the institution to provide seed money to the faculty for research. They undertake research activities utilising the funds from UGC. But the management provides financial assistance to teachers whose salary is delayed during FDP.

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

The students of the Department of Botany get financial help from KSCSTE.

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

Topics undertaken by the research scholars of the Department of Economics are interdisciplinary. Researchers from the department are also exploring themes like “Female Contribution to National Income Evolving: A New Methodology”, “Including value of Environment in National Income Calculation: A theoretical and Empirical Study. “Rehabilitation of Migrant Street Children” In Kerala.

The time constraints faced while following the tight schedule of the semester system do not permit sufficient opportunities for inter disciplinary studies.

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

Research projects funded by UGC and other sources provide support for students’ projects by providing extra facilities.

Computer labs with net connectivity enable the students to prepare assignments, projects etc and submit them online.

The equipments and books in the departments are open to the students and staff of the college and it helps them in preparing research projects at the UG and PG level.

The Digital classroom at the Research centre is utilized as an e-learning centre with faculty from foreign and Indian universities. The benefit goes to both UG and PG students.

The facilities like INFLIBNET, Online Public Access Catalogue (OPAC) and Job Access with Speech (JAWS) are utilized by different categories of students for enriching their research activities.

The Xerox, Printers and Spiral Binding Machine are utilized by students.

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

The faculty receive funds from UGC, KSCSTE for developing research activities. The IQAC along with the UGC cell provide support for securing research funds from various funding agencies.

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

The IQAC along with the UGC cell provide support for securing research funds from various funding agencies.

	Nature of the project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
2015-2016	Major Projects	3Years	DST/ KSCSTE	57.42400	4.44599
	Minor Projects	1 to 2 Years	UGC	31.8000	1.50000
	Interdisciplinary Projects	-	-	-	-
	Industry sponsored	-	-	-	-
	Projects sponsored by the University/ College	-	-	-	-
	Students research projects	1 Year	KSCSTE	0.36000	0.36000
	Any other (Specify) Collaborative Research Project:	3Years	UGC-DAE	1.05	1.05
	Total			<b>90.634</b>	<b>7.35599</b>

2016-2017	Major Projects	3Years	Department of Science and Technology / UGC	24.20	22.72
	Minor Projects	1 to 2 Years	UGC	2.555	1.48
	Interdisciplinary Projects	-	-	-	-
	Industry sponsored	-	-	-	-
	Projects sponsored by the University/ College	-	-	-	-
	Students research projects	-	-	-	-
	Any other (Specify) Collaborative Research Project:	-	-	-	-
	<b>Total</b>	-	-	<b>26.755</b>	<b>24.2</b>

### 3.3 Research Facilities

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

There is a well furnished research centre with all facilities and Library. There are well equipped labs and rooms for the Science departments.

Department of Chemistry has a well equipped laboratory with instruments such as

- Ultra-sonicator
- Rotary evaporator
- Programmable muffle furnace
- LCR Meter
- Spectrophotometer, Digital
- Flame Photometer
- Conductometer
- Digital Titration Potentiometer
- Polarimeter,
- Refractometer
- Luminar Floor
- Photoelectric Colorimeter
- pH meter
- Electronic balances etc.

The research laboratory of the Department of Physics (HORLAN) has following equipments for basic research in Solid State Physics.

- High Temperature Programmable Muffle Furnace
- Electronic Balance
- Digital LCR meter
- Pelletizer
- Ultrasonic cleaner
- Rotary Pump
- Refractometer

Department of Botany has the following instruments for research purposes.

No.	Name	Make	No of Items
1	Gel documentation system	Biotech	1
2	Deep freezer	Cellfrost	1
3	Thermal cycler	Lark	1
4	Double distillation unit	Jsgw	1
5	Waterbath	Kemi	1
6	Gel rocker	Kemi	1
7	Rotary shaker	Kemi	1
8	Research Microscopes	Labomed	10
		Magnus	1
		Motic	1
9	Cyclo mixer	Remi	1
10	Digital image recorder for microscopes	Labomed	2
11	Gel electrophoresis unit with power supply	Medox	1
12	Micro centrifuge	Tarson	1
13	Magnetic stirrer	Remi	1
14	Electronic balance	Shimadzu	2
		Txb620il	1
		Scale tec	4
		Uni-bloc	1
15	BOD incubator	Kemi	1
16	Microwave oven	Whirlpool	1
17	Centrifuge	Labspin	1
18	Laminar air flow	Labline	1
		Rotec	1
19	Spectrophotometer	Elico	1
		s1177	
20	pH meter	Labtronics	2
		Eu tech	1
21	Digital photo calorimeter	Deep vision	1
22	Photo calorimeter	Systronics	1

No.	Name	Make	No of Items
		Photo chem	1

The Department of Zoology maintains Prof. RVR Thampuran Biodiversity Museum named after Late Prof. R.V.R. Thampuran, the former Head of the Department of Zoology. It has on display a representation of the faunal diversity of ostrich and varied pristine campus and also the diversity of Western Ghats and our Country. It also has rare specimens from different parts of the World.

Some of the rare exhibits include the following:

- A threatened species and a living fossil, *Limulus*, commonly known as the King Crab, found in the Gulf of Mexico and along the northern Atlantic coast of North America
- The shell of *Nautilus*, another living fossil distributed only in the the tropical waters of the Indian Ocean, the western and central Pacific Ocean
- The largest single cell – the egg of the Ostrich, found in African continent
- Another living fossil *Peripatus*, commonly known as the velvet worm found in the Eastern Himalayas, African Congo, Amazon Basin and Australia
- *Attacus atlas*, commonly known as the Atlas moth, the largest moth in the World
- Fossil imprint of *Archaeopteryx*, the first known reptile-bird from the original fossil preserved in the British Museum
- Rare and Endangered Malabar Civet cat, endemic to the Western Ghats
- Desert lizard *Uromastix* found in Africa and the Middle East
- Mexican salamander, known as Axolotl larva or *Ambystoma*
- *Chameleon* distributed in Africa, Madagascar, southern Europe, and across southern Asia as far as Sri Lanka
- Rare collection of Corals from the Lakshadweep and Rameswaram

***A comprehensive data of the rest of the Museum exhibits***

- An excellent collection of invertebrates including the Jelly fish, Sponges, flat worms, annelids, and arthropods
- About 350 species of insects including butterflies and moths, bees, and wasps
- Holotype and paratypes of new Ichneumonid species obtained from various parts of the Western Ghats
- A variety of molluscan species approximately 40 species including *Octopus*, *Sepia*, *Loligo*, *Teredo*
- A good collection of molluscan shells from the Indian Ocean and Arabian Sea

- About 35 species of echinoderms like Starfish, Brittle stars, Sea urchins, Sea cucumbers found in the Gulf of Mannar Biosphere Reserve and Indian Ocean
- A vast collection of about 150 species of fishes; Notable examples include Lion fish *Pterois* native to the Indo-Pacific., Flying fish *Exocoetus*, Sea Horse *Hippocampus*, Endangered Sawfish *Pristis*, Porcupine fish *Diodon*, Hammer-headed shark *Sphyrna*, Tuna fish *Thunnus*
- Amphibians like the Flying frog *Rhacophorus*, Indian Toad *Bufo*
- Poisonous snakes Cobra, Viper, Krait, Sea snake
- Non-poisonous snakes Python, Sand boa, tree snake *Dryophis*
- About 30 species of Reptiles including Flying lizard *Draco*, Garden lizard *Calotes*
- Osteology section includes the rare Rostrum of *Pristis*; the skull of Nilgiri Tahr, Wild buffalo, wild boar, deer, dog, human; entire skeleton of human, bird and fish; exoskeleton of turtle; the vertebrae and ribs of whale and snake
- Models of lung fishes - African, Australian and American lung fish
- Eggs of *Calotes*, *Varanus*, and birds, embryos of cow, hen, three month old human embryo
- Anatomy section includes the heart of cow and human, brain of frog, fish, lizard, and man

**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?**

The college has an infrastructure committee under the Planning Board which looks into the planning, upgrading, and creating new infra structural facilities for meeting the needs of researchers in the emerging areas of social concern.

- The IQAC and the UGC cell guides the researchers in getting funds from external sources for research projects.
- The Management and the PTA allocates funds for research activities
- Specialized laboratories are created to meet the requirements of the time.
- Upgrading of the existing library and laboratory facilities to cater to diverse needs of the modern generation.
- Upgrading computer facilities and installing new software.

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

Yes. The faculty receive funds from UGC and KSCSTE for developing research facilities and conducting seminars. The IQAC along with the UGC cell provide support for securing research funds from various funding agencies.

The Management of the college has constructed a separate building solely for the purpose of supporting research activities. Research facilities were enhanced at the research centre by utilising funds from the management. Separate rooms were assigned for social sciences and languages.

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

Our scholars utilise facilities provided by the University of Calicut, Malabar Botanical Garden and Institute for Plant Sciences (MBGIPS), Indian Institute for Spices Research (IISR), Zoological Survey of India (ZSI), American Bibliographical Institute, KIRTADS, etc. The students from other institutions make use of the laboratory facilities in the department of Chemistry. They also avail of the library facilities of the college.

The Research Laboratory (HORLAN) under the department of Physics has been utilized for advanced project work of M.Sc. students from other institutions such as MES College (Valanchery, Malappuram District, Kerala), Farook College (Kozhikode), SN College (Vadakara). The department had offered its state of the art laboratories and equipments such as PID controlled Muffle furnace, Automated Digital LCR meter, High pressure Pellettiser, Ultra Sonic cleaner, etc.

The Department of Botany provided support to the students and researchers of other colleges and institution such as Farook College (Kozhikode, Kerala), St. Joseph's College (Tiruchirappalli, Tamil Nadu), SN College (Cherthala, Kollam, Kerala), SVRNSS College (Vazhoor, Kottayam, Kerala), Centre for Water Resource Development & Management (CWRDM, Kozhikode, Kerala), etc. The literature resources and research microscopes with digital image recording facility of the Research Lab (*Planta Genomea*) of the Department were utilised by these students and researchers.

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

There is a general library with good number of books and academic journals. The Research scholars in the Departments of Botany, English, Malayalam and Economics utilise these facilities.

The following facilities in the library are accessed by research scholars:

- **OPAC:** The library has Online Public Access Catalogue (OPAC) through which users can search the information resources available in the library.
- **Electronic Resource Management package for e-journals:** The College subscribes to e-journals through N-List of the INFLIBNET.
- **Federated searching tools to search articles in multiple databases:** This facility is used by research scholars to find out articles related to their area of research.
- **In-house/remote access to e-resources:** The main source of e-resources is through N-LIST, where users can login using their ID and password.
- **Library Automation**
- **Inter Library Loan Service:** Yes, borrowing of books and publications from other institutions to be arranged on request

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

NIL

**3.4 Research Publications and Awards:**

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

- **Patents obtained and filed (process and product)**
- **Original research contributing to product improvement**
- **Research studies or surveys benefiting the community or improving the services**
- **Research inputs contributing to new initiatives and social development**

Talks on topics as diverse as “Bryophytes” “Pteridophytes”, “Nanomagnetism,” “Nuclear diffraction” , “Meliponi culture”, ” Yoga Awareness”, International non-violence”, “Insects as a tool for biological Control” , “Multiferrites”, “ Compression Environment of technology”, “Human rights and new generation”, Yoga and self transformation”, “Way to add Happy & Healthier years to Your Life”. Department of History conducted an exhibition on Zamorins’ artefacts at the University of Calicut.

The research topics of the research scholars pursuing PhD from this institution are

- Rehabilitation of Migrant Street Children in Kerala
- Human Capital Development and Labour Productivity with Special Reference to Kerala

- Female Contribution to National Income
- Poverty Measurement in India
- Food Inflation and its Impact on Urban Poor
- Globalisation and Labour Market Flexibility with special reference to Head load Workers in Kerala

Research topics undertaken by the PG students are

- A study on Gender Discrimination among Journalists
- A sociological study on the impact of Technology on the social behaviours of aged people
- Socio economic issues of slum dwellers
- A study on civic consciousness among youth
- A sociological study on the Rights and privileges among tribes.
- Impact on social media Familial relationships with the focus on preferences and choices of using social media
- A study on the nature of care giving and changed trends in Filial Relationship
- An intergenerational study on the perception on marriage
- Differential employment status in dual career family and its impact on decision making power of Woman
- Self-concept and social adjustment of hearing- impaired students in higher Secondary Level at Kozhikode
- Sociological study of Paniya Tribes in Kerala-special reference to Wayanad
- A sociological study on the involvement of physically disabled College students in educational and socio-cultural activities
- Women with Physical disabilities-Challenges, goals and achievements

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

The Research Organisation (ZCIR) promotes research activities and has published third volume of the series of interdisciplinary journals "ACTA ZAMORINI", in 2017.

The editorial board of the journal is comprised of

- |                                |   |                        |
|--------------------------------|---|------------------------|
| 1. Dr. T. Ramachandran         | - | Physics (Chief Editor) |
| 2. Dr. Mallika, M.G.           | - | Economics (Editor)     |
| 3. Dr. G. Indiradevi           | - | Chemistry              |
| 4. Mr. Rajan Malayil           | - | Commerce               |
| 5. Ms. Tanuja Raghavan         | - | Political Science      |
| 6. Dr. Rajani, B.S.            | - | English                |
| 7. Mr. Unnikrishnan Sreesailum | - | Malayalam              |

8. Dr. Sreeranjini, B.	-	Malayalam
9. Dr. Sudheer, K.	-	Zoology
10. Ms. Saleena, K.K.	-	History
11. Dr. Arun Kumar, T.K.	-	Botany
12. Dr. R. Jayakumar	-	Physical education
13. Smt. Rakhi, P.	-	Sociology
14. Dr. Remiya Rajan	-	Economics
15. Dr. Meera, P.I.	-	Hindi

Next issue of interdisciplinary journal "ACTA ZAMORINI" will be released by March 2018.

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

#### Publication per faculty

- Number of papers published by faculty and students in peer reviewed journals (national / international)
- 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

Details of publications are given department-wise, along with the Evaluative reports.

#### Economics

1. M.G. Mallika and Shyba, M. Headload Market in Kerala: Concept and Features. EPRA International journal of multi disciplinary Research (IJMR) Online: (ISSN 2255-3662).
2. M.G. Mallika and Prajisha, P. The Stucture of Food Consumption of Urban Kerala. EPRA International journal of multi disciplinary Research (IJMR) Online: ISSN 2255-3662
3. M.G. Mallika and Reshmi, P. Multidimensional Poverty Index: A Case Study of Elathur in Calicut District. EPRA International journal of multi disciplinary Research (IJMR) Online: ISSN 2255-3662

4. M.G. Mallika. Female Work Participation: The Neglected Factors, proceedings of the national seminar on human capital and economic development of Kerala, PG Department of Economics, MES Ponnani.
5. M.G. Mallika. Time Use Survey and the Valuation of Time: The Challenges in Social Science Research, Proceedings of the National seminar on Economics of Gender.
6. Deepa. E. A. Comparative Study on Work Force Participation Rates of Male and Female, Proceedings of the National seminar on Economics of Gender.
7. Deepa, E. and Midhun Kishore, A Study of Migrant Labourers in Kerala with special reference to Malappuram district, Proceedings of Travails of uprootment: A Tribute to Refugees, exiles and Diasporic communities, Multi-disciplinary National Seminar, M.S.M. College Kayamkulam, ISBN: 978-93-85723-001-1
8. Jeni, B.S., Women Education and Employment: an Inter Religious Analysis, A study on Thalassery Municipality.
9. Remya Rajan. Women Empowerment through Self help Group: A study on Kunnamangalam Panchayat, Proceedings of the National seminar on Economics of Gender.
10. Anil Varma. Asean- Indian Free Trade Agreement, an assesment of Merchandise Exports and Imports, online at [https:// mpra.ub.uni-muenchen.de/75035/](https://mpra.ub.uni-muenchen.de/75035/) MPRA,paper No. 75035, posted 16 November 2016,14:23 UTC
11. Anooja Chako. Disability: A Brief Conceptual Overview, online at [https:// mpra.ub.uni-muenchen.de/75062/](https://mpra.ub.uni-muenchen.de/75062/) MPRA ,paper No. 75062, posted 16 November 2016,14:23 UTC

#### **Commerce**

1. Mayadevi Thampatty: Analysis of Women Perception in making Investments in different gold options: A study with special reference to Kozhikode district, ISSN: 2279-0667, Vol 4, ISS.4, April 2015, Impact Factor :sjif 2013-4.289, published by Trans Asian Research Journal.
2. Mohana Krishnan, P.C., A Study on Viewers Perception towards Watching National English News Channels with Special Reference to Malabar Region of Kerala, Asian Journal of Management Research, ISSN 2229-3795.

### Chemistry

1. Rugmini Ammal: Molecular Approach to Current Advances in Chemistry, Prof K.V. Thomas endowment National Seminar Proceeding, ISBN no 978-81-930558-1-6
2. Indiradevi, G. Impact of Bauhinia leaves in the Physico Chemical Parameters of Soil, International Journal of Scientific Research and Engineering Studies (IJSRES), Vol 2 issue 2, Feb 2015 ISSN: 2349-8862
3. Leon Prashanth, Thekkathu Ramani, Pravisha K R, Ankitha Shah, Synthesis Characterisation of Phosphine, Phosphine Oxide and Amine Stabilized Platinum Nano Particles in Organic Medium, journal of Nano Material and Molecular Nanotechnology.
4. Malini, P.T. 2013. Dioxouranium (vi) Complexes of some Unsaturated B-Diketones- International journal of Chem. Tech Research , CODEN (USA) VOL 5, NO: 1, PP 01-05, Jan-Mar 2013.
5. K.G. Sangeetha and K.K. Aravindhakshan, Synthesis, Structural and Spectroscopic Studies of 1-Phenyl-3 Methyl-4 Benzoyl-5 Pyrazolone n(4) –Methyl-n(4)-Phenyl Thiosemicarbazone and its Cadmium (ii) Complex. Inorganica Chimica Acta
6. K.G. Sangeetha and K.K.Aravindhakshan and Safna Hussain. Insight into the Theoretical and Experimental studies of 1-Phenyl-3 Methyl-4 Benzoyl-5 Pyrazolone n(4) –Methyl-n(4)-Phenyl Thiosemicarbazonea- A potential NLO Material. Journal of Molecular Structure.

### Sociology

1. Mahesh, C. 2016. Malabar Kalapathinte Nalvazhikal, 1921 Padavum Porulum published by Janmabhumi, 2016 November

### Zoology

1. Sudheer, K. and Vishnu, K.- Biosystematics and Diversity of Ichneumonid Parasitoids (Insecta: Hymenoptera) and their significance in Biocontrol Programmes. Proceedings of the National Workshop on the Identification of Bees, Wasps, Beetles and Bugs-27-28
2. Sudheer, K. and Vishnu, K.- Two new Species of *Goryphus*, Holmgren (Hymenoptera: Ichneumonidae) from Kerala, India.

### Malayalam

#### Dr. P. Usha

1. Paper titled '*Edasserikkavithayile Karshika Samskruthi- Puthankalavum Arivalum Enna Kavithayae Munnirathi Oru Padnam*', in the proceedings of the Third International Folklore Conference, May 2016 ( ISBN No.978-81-922314-5-7)

2. Editorial Panel Member of the book '*Manorogangalae Manassilaakkam*' *Samaharanam* Dr. P.N.Suresh Kumar, Dr. Subrahmanian.Mathrubhumi Books 2015. ISBN, 978-81-8226-304-6, ME-1/2000/2015.
3. Article titled '*Prasthanam Malayala Bhakthi(Sahithyam)-Avalokana Prabandham*' for the History of Malayalam Literature, published by Department of Studies in Dravidian Culture, Kannada University, Hampi, "*Dravida Adhyana*" Bi-Annual-Vol-11-Issue-1, January-June 2016 (ISSN 2250-1614)

#### **S. Unnikrishnan**

1. Authored the work '*Kavithayude Varaprasadam*' (Literary Criticism), Paridhi Publication Trivandrum, December 2015, ISBN
2. Authored the work "*Neythedutha Vakkukal*" (Literary Criticism), KBT,Calicut,2015, ISBN.
3. Authored the work "*Arthathinte Pomarangal*" (Literary Criticism), KBT,Calicut, 2015
4. Authored the work "*Samskrithiyude Velichangal*" (Literary Criticism), KBT, Calicut, 2016.
5. Literary article in Malabar Research Journal, Peer Refereed Bi- annual Interdisciplinary Bilingual Research Journal, Dept. of Malayalam, MCC, Calicut,Vol 3,No 2, October 2015,ISSN.
6. Preface to '*Niroopanaprathibakalude Vimarsanavazhikal*' criticism by Mangalath Rajeeesh, Eye Books, Calicut, 2015.
7. Preface to '*Sree Rudraksham*', Kerala Book Trust 2016, ISBN.
8. Preface to '*Chayantharangal*', Haritham Books, 2017, ISBN.
9. Preface to '*Oro Poovilum*', Kerala Book Trust, 2016, ISBN.
10. Preface to '*Neru*', Eye Books, 2016, ISBN.
11. Preface to '*Dukhathinte Prathima*', Kerala Book Trust, 2017, ISBN.

#### **Dr. Suneetha, T.V**

1. "*Cyberkathakalile Sthree*", Kerala Bhasha Institute, Thiruvananthapuram, 2015

#### **Aparna, T.**

1. Article in Research Lines, Peer Reviewed Research Journal, Deva Matha College, Kuravilangad. ISSN 0975-8941, 2016.
2. Article in Research Scholar, Peer Reviewed Research Inter Disciplinary Research Journal.ISSN 2249-669, 2016.
3. Article in "*Ezhuthadayalamgal*", Insight Publications. ISBN-978-93-85899-8,2017.

## Department of History

### K. Sreelatha

1. “ Early Resistance Movements Against the Colonial Rule-A Study of Unni Moosa Moopan in South Malabar”, Proceedings of the II International Conference of Kerala History,2015,ISBN 978-93-85725-63-0.

### Mayadevi.M

1. “Women and Marriage in *Marumakkathayam*, International Research Journal of Social Sciences,ISSN 2319-3565 Vol.4(10),1-4, October, 2015.
2. “Education for Social Transformation and Identity Creation: Demand for Institutionalizing Education among the Upper Caste Women of Colonial Malabar, Proceedings of the 3<sup>rd</sup> International Conference of Kerala History, 2016, ISBN 978-93-86094-30-8.
3. “ Social Reform Movements and the Women Question in Kerala, Proceedings of the Third International Seminar of SVASH, 2016,Vol II, Humanities, ISBN 978-81-928007-45.
4. “ Namboodiri Women and Public Sphere: Discourses on Social Reform, Proceedings of the South Indian History Congress, 36<sup>th</sup> Annual Session,2016,ISSN 2229-3671.

### Smt. Arya Gopi

1. **Sob of Strings** (Collection of English Poems), Second Revised Edition, Rasperry Books, Kozhikode, 2016.
2. **Pakalaanival** (Collection of Malayala Poems), DC Books, Kottayam, 2016

## Department of Botany

### Dr. Rajan P.P.

1. Vafa A. L. and Rajan P.P. 2017. Comparative Efficacies of Fungicides and Insecticides along with Biocontrol of Ginger (*Zingiber Officinale* Rosc.) storage rot Pathogens. Paper presented in the National Seminar held on 10<sup>th</sup> to 12<sup>th</sup> March .2017 – Fourth Indian Biodiversity Congress pat Pondicherry University.

**Dr. K.P. Rajesh**

1. Manju, C.N., Manjula, K.M. and **Rajesh, K.P.** 2015. *Syrrhopodon parasiticus* (Calymperaceae: Bryophyta) a new record for India. In. New National and regional bryophyte records (Ellis et. al.). Journal of Bryology 37(1): 68-85.
2. Deepa, K.M., Manju, C.N., Maya C. Nair and **K.P. Rajesh**.2015. *Exormotheca ceylonensis* Meijer (Marchantiophyta)- an endangered liverwort of India, now recorded from a highly threatened habitat of Kerala. FRAHMIA, 11: 1-4. (ISSN 2199-4897)
3. Manju, C.N., Manjula K.M., Deepa K.M., **Rajesh, K.P.** and Chandini V.K. 2015. *Aulacopilum Beccarii* (Erpodiaceae: Bryophyta) from the Western Ghats of Kerala. *Geophytology* 45(1): 62-65.
4. Manjula K.M., Manju, C.N. and **Rajesh, K.P.** 2015. *Fissidens Macrosporus* Dixon (Fissidentaceae: Bryophyta) – a little known species of the Western Ghats rediscovered after more than 90 years. *Lindbergia* 38: 1-3.
5. **Manju, C.N.**, Chandini, V.K. and Rajesh, K.P. 2017. *Cololejeunea Manilalia* (Lejeuneaceae: Marchantiophyta), a new species from the Western Ghats of India. *Acta Botanica Hungarica*. 59(1-2): 261-268.
6. Manjula K.M., **Manju C.N.** and Rajesh K.P. 2017. *Fissidens Manilalia sp. nov.* (Fissidentaceae), a new Corticolous S0pecies from a semi-urban habitat in India. *The Bryologist* 120(3): 263-269.
7. Manju, C.N., Aswathy, T., Pournami, K.V. and **Rajesh, K.P.** 2017. *Amblystegium serpens* (Hedw.) Schimp. (Amblystegiaceae: Bryophyta) from Indian Peninsula. *Asian Journal of Biological and Life Sciences* 6: 412-413.

**Dr. Manju C. Nair**

1. Manjula K.M., **Manju C.N.** and Rajesh K.P. 2017. *Fissidens manilalia sp. nov.* (Fissidentaceae), a new corticolous species from a semi-urban habitat in India. *The Bryologist* 120(3): 263-269.
2. **Manju, C.N.**, Aswathy, T., Pournami, K.V. and Rajesh, K.P. *Amblystegium serpens* (Hedw.) Schimp. (Amblystegiaceae: Bryophyta) from Indian Peninsula. *Asian Journal of Biological and Life Sciences* (accepted): 321-322.
3. **Manju C.N.**, Chandini V.K. and Mufeed, B. 2017. *Physcomitrium immersum* (Funariales; Bryophyta) an addition to the bryoflora of Western Ghats. *Geophytology* 47(1): 45-47.
4. Mufeed, B. and **Manju C.N.** 2017. *Porella perrottetiana* (Mont.) Trevis. (Jungermanniales) a species from Western Ghats of Kerala. *Acta Botanica Hungarica*. 59(1-2): 269-272.

5. **Manju, C.N.**, Chandini, V.K. and Rajesh, K.P. 2017. *Cololejeunea manilalia* (Lejeuneaceae: Marchantiophyta), a new species from the Western Ghats of India. *Acta Botanica Hungarica*. 59(1-2): 261-268.
6. Venugopal, M. and **C.N. Manju**. 2017. Bryophyte diversity of Thamarassery pass (Wayanad pass) in the Western Ghats of Kerala. *Plant Science Today* 4(1): 40-47. <http://dx.doi.org/10.14719/pst.2017.4.1.273>.
7. Manjula K.M. and **Manju C.N.** 2016. Genus *Fissidens* Hedw. (Fissidentaceae; Bryophyta) from Eastern Ghats of Andhra Pradesh, India. *Cryptogam Biodiversity and Assessment Vol 1(2)*: 1-19. e-ISSN-2456-0251.
8. Deepa K.M. and **Manju C.N.** 2016. *Clevea pusilla* (Steph.) Rubasinghe & D.G. Long (Cleveaceae; Marchantiophyta) a rare species from the Western Ghats of Tamil Nadu, India. *Cryptogam Biodiversity and Assessment Vol 1(1)*: 52-54. e-ISSN-2456-0251.
9. Bruggeman-Nannenga, M A., K M Manjula, **CN Manju**. 2016. *Fissidens enervis* Sim (Fissidentaceae) new to Asia. *Lindbergia* 39: 29-32.
10. Jyothislakshmi, G. R., **C.N. Manju**, M. Venugopal and V. K. Chandini. 2016. Bryophyte diversity in the Sacred Groves, with special reference to Vallikkattukavu of Kozhikode district in Western Ghats. *Plant Science Today* 3(2): 135-141. <http://dx.doi.org/10.14719/pst.2016.3.2.209>
11. **Manju, C.N.** Rajilesh V.K., Deepa K.M., and Prakashkumar, R. 2015. The Genus *Calycularia* (Marchantiophyta) in Kerala part of Western Ghats. *Acta Botanica Hungarica* 57(3-4) 401-406.
12. Manjula, K.M., **Manju, C.N.**, Rajilesh V.K. and Chandini V.K. 2015. *Fissidens linearis* (Fissidentaceae: Bryophyta) a new record for India. *Acta Botanica Hungarica* 57(1-2)1-4.
13. Deepa, K.M., **Manju, C.N.**, Maya C. Nair and K.P. Rajesh. 2015. *Exormotheca ceylonensis* Meijer (Marchantiophyta)- an endangered liverwort of India, now recorded from a highly threatened habitat of Kerala. *FRAHMIA*, 11: 1-4. (ISSN 2199-4897)
14. **Manju, C.N.**, Manjula, K.M. and Rajesh, K.P. 2015. *Syrrhopodon parasiticus* (Calymperaceae: Bryophyta) a new record for India. In. New National and regional bryophyte records (Ellis et. al.). *Journal of Bryology* 37(1): 68-85.
15. **Manju, C.N.**, Manjula K.M., Deepa K.M., Rajesh, K.P. and Chandini V.K. 2015. *Aulacopilum beccarii* (Erpodiaceae: Bryophyta) from the Western Ghats of Kerala. *Geophytology* 45(1): 62-65.
16. Manjula K.M., **Manju, C.N.** and Rajesh, K.P. 2015. *Fissidens macrosporus* Dixon (Fissidentaceae: Bryophyta) – a little known species of the Western Ghats rediscovered after more than 90 years. *Lindbergia* 38: 1-3.

**Dr. Arun Kumar, T.K.**

1. McLaughlin D.J., **T.K. Arun Kumar**, Padamsee M., Toome-Heller M., Frieders E.M., Aime M.C. 2017. Structural character evolution in Pucciniomycotina: mitosis, septa, and hyphal branch initiation in two *Helicogloea* species. MYCOLOGIA 109: 162-181.
2. McLaughlin D.J., Rosanne Healy, **T.K. Arun Kumar**, McLaughlin E.G., Shirouzu T., Manfred Binder. 2016. Cultural and cytological characterization of *Dacryopinax primogenitus*, a new species in the Dacrymycetes with a fully sequenced genome.. MYCOLOGIA. 108: 457-468.
3. Pradeep C.K., Vrinda K.B., Shibu P. Varghese, **T.K. Arun Kumar**. 2016. A new species of *Phylloporus* (Agaricales, Boletaceae) from India. PHYTOTAXA 226: 269-274.
4. David J. McLaughlin, Rosanne A. Healy, Gail J. Celio, Robert W. Roberson, **T. K. Arun Kumar**. 2015. Evolution of zygomycetous spindle pole bodies: evidence from *Coemansia reversa* mitosis. AMERICAN JOURNAL OF BOTANY 102: 1-11.

**Dr. Sanoj, E.**

1. **Sanoj, E.** & M. Sabu (2015). On the identity and typification of *Hedychium deceptum* (Zingiberaceae), an earlier name for *H. rubrum*. *Novon.* 24: 46-49.

**Dr. Sreejith P.E.**

2. V.S. Hareesh, Alfred Joe, P.E. Sreejith & M. Sabu 2017. *Musa markkuana* stat. nov. (Musaceae)—A reassessment of *Musa velutina* subsp. *markkuana*. *Phytotaxa* **303 (3)**: 279–284
3. Alfred Joe, **P.E. Sreejith** & M. Sabu 2016. The identity of *Musa kattuvazhana* (Musaceae) with reduction of *Musa acuminata* subsp. *burmannica* and *Musa banksii* var. *singampatti* as its synonyms. *Webbia: J. Pl. Tax. & Geogr.* 1–6.
4. Alfred Joe, **P.E. Sreejith** & M. Sabu 2016. Genus *Ensete* (Musaceae) in India. *Telopea J. Pl. Syst.* **19**: 99–112
5. **Sreejith, P.E.**, Linu N.K., Sasikumar P., Radhakrishnan K.V. & M. Sabu 2016. Phytochemical studies of an endemic and critically endangered hill banana, *Musa acuminata* Colla (AA) ‘Karivazhai’ fruit by GC-MS. *J. Chem. Pharmceut. Res.* **8(5)**: 164–168.

6. Sabu, M., Alfred Joe & **P.E. Sreejith** 2016. Brief overview of diversity of wild Indian *Musaceae* *Acta Hort.* **1114**. 75–80. DOI 10.17660/ActaHortic.2016.1114.10
7. Alfred Joe, **Sreejith, P.E.** & M. Sabu 2016. Notes on *Musa rubra* Kurz (Musaceae) and reduction of *M.laterita* Cheesman as conspecific. *Taiwania* 61(1): 34–40.
8. Alfred Joe, **Sreejith, P.E.** & M. Sabu 2016. A new variety of *Musa sikkimensis* Kurz and notes on the taxonomic identity and history of *Musa sikkimensis* (Musaceae) from North-East India. *Webbia* **71(1)**: 53–59. DOI:10.1080/00837792.2015.1113721.

#### 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

Name	Year	Award
Dr. Meera, P.I. (Dept. of Hindi)	2015	Abhayadev Smaraka Bhasha Samanwaya Puraskar
Dr. Reshmi, U.M. (Dept. of Hindi)	2015	Sahithyakala Saraswathi Samman (U.P)
Unnikrishnan, S. (Dept. of Malayalam)	2015	Yuva predhiba Puraskaram (Vivekananda Darshana Vedi)
	2016	Durgadatta Puraskaram (Tapasya Sahitya Vedi)
Praseetha, P. (Dept. of History)	2017	Best NSS Programe Officer Award
Arya Gopi (Dept. of English)	2015	Sahitya Sree Award
	2015	Asan Prize
	2015	Yuva Prathiba Puraskar ( ONV Cultural Academy)
	2015	Ankanam Award
	2015	Kerala State Government Youth Welfare Board
	2015	M.Sukumaran Memorial Kala Kaumudi Award
	2016	Swami Vivekananda Award for Literature
	2016	Youth Icon Award (Govt of Kerala)
	2016	Harisree Radhakrishnan Smaraka Kavitha Award
	2016	Vayalar Ramavarma Poetry Prize
	2016	M N Kuruppu Smaraka Kavitha Puraskaram
	2016	Kalakaumudi Mahakavi Pallath

		Raman Puraskaram
	2016	Kozhisheru Balaraman Yuva Award
	2017	Dubai Yuva Award (ONV Foundation)
	2017	Avani Balasahithya Puraskaram

Dr. C. Sreekumaran is a member of Research Board of Advisors- American Biographical Institute, New York. Dr. Arun Kumar, T. K. is in charge of administration and curation of an online database, AFTOL Structural and Biochemical Database (AFTOL SBD; aftol.umn.edu) of the “Tree of Life” consortium (involving several International laboratories, and multi-investigators).

### 3.5 Consultancy

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

No strategies have so far been evolved to establish institute-industry interface.

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

The Institution promotes dissemination of knowledge and expertise. Its faculty members are also ready to offer their expertise. An income generating model of service has been formulated. Dr. Arun Kumar, T.K. of the department of Botany offers identification of fungi. The department of Chemistry offers consultancy services in water quality testing. The details are publicized on the college website.

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

The institution encourages the staff to utilise their expertise and available facilities for consultancy services. Departments such as Physics, Zoology and English are extending consultancy services in their capacity. However, an income generation model is yet to attain its full-swing. The faculty of the Department of English undertake translation work and editing work. The faculty of the Department of Zoology has engaged in consultancy services and they have identified certain species of insects for institutions such as the Zoological Survey of India, the University of Dharwar and Tamil Nadu Agricultural University. The Department of Chemistry is planning to develop a project for checking the quality of soil which could be made use of by the people in the locality. Smt. Sreelatha, K. of the department of History offered her expertise by participating in a workshops conducted by the district administration regarding heritage documentation of Mananchira and surroundings. Dr. Mallika, M.G department of Economics works as gender consultant as part of Kudumbasree project. As an economic expert she has also taken part in channel discussions on Indian economy, demonitisation, GST, hike in petrol prices and gender issues, and also as a planning board member of Olavanna Panchayat since 2017. The language departments too

undertake translation projects for various agencies. Faculty are given support and permission to utilize the expertise and available advanced laboratory facilities for Project work of M.Sc. students of other institutions.

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

Departments	Consultancy Service	Revenue Generated
Chemistry	Water quality Analysis	9600
Botany	Identification of fungi	100

**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 institution has initiated a revenue model policy for sharing the income generated through consultancy services that are provided. The staffs involved are eligible to retain 80% of the revenue while 20% is utilised by the institution for augmenting the research facilities.

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

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

- ❖ Some of the faculty are members of NGOs promoting service oriented community interaction. Dr. C. Sreekumar is a member of the ORC (Our Responsibility to Children) and Health and Truama Care, and Smt. N. Rakhi is a member of OISCA International. The department of Sociology in collaboration with Child line, an NGO for protection of child rights, formed a volunteer group. They communicate the message of social commitment to the students through their work.
- ❖ **The National Service Scheme** unit is a cause of pride for the institution. The participation of the students in activities at the university level in 2016-17 has increased to 110. The students have won around two awards during 2016-17 at university level. The NSS has organised 52 extension activities during the academic year 2016-17. Various competitions on social issues such as drug abuse and anti-tobacco were organized. Aids Day awareness campaign was conducted at the Kozhikode railway station. Organ donation awareness programmes and blood donation campaigns were organized. Several drives aimed at cleaning the premises of public institutions were initiated. Road safety awareness programmes were also organized. Literacy aid programmes at Kuthiravattom Mental hospital and health survey in the adopted village in the Olavanna panchayath were also conducted. Anti war awareness programme was organized to observe

Hiroshima Day. Three Aids Day awareness campaign were organized. Several drives aimed at cleaning the premises of public institutions were initiated. Road safety awareness programmes were also organized. Educational support programmes for SSLC students were conducted at GVHSS Kinassery. Several cleaning initiatives were also organized in the School premises. A massive cleaning drive was organized at the adopted village. A project called *Sujalam* was initiated to rejuvenate Mampuzha River. The NSS vigil help desk was set up in collaboration with Vigilance Department to assist the public who approach government offices for availing various services.

- ❖ **The NCC** of this institution also brings pride and fame. Their participation comes to one sixty at university level, fifteen at the state level and eighteen at the national level. The cadets have won one University Award during 2015-16 and one national award each in 2015-16 and 2016-17. The college forum has organised seventeen events, the NCC organised three events and the NSS organised seventy seven events involving the student community and the larger community.
- ❖ **Pain and Palliative Care unit** of our institution continued with fervour its dedicated activities aiming at community care. A program named “Punarjani” was organized for the pediatric cancer patients and an awareness session for their parents in the institution. Onam was celebrated by the unit by distributing onam kits among the bedridden patients of Kinnassery area. Independence Day was celebrated by distributing badges, flags and balloons among Leukemia patients and interactive sessions were conducted. The IPM exhibited items like umbrellas, fancy jewellery, soft toys etc made by bedridden patients in the Footprints exhibition held in the campus. Fifteen bags of dress material were collected from the staff and students of the institution and distributed amongst the inmates of Free Birds Orphanage. World Childhood Cancer Day was observed by giving cancer awareness programs. Home Care sessions for cancer patients in the pokkунnu region as also been undertaken.
- ❖ **The Women’s Development Cell** Women Development Cell along with media club organised a motivational talk on achieving success overcoming the adversities in life by dubbing artist Baghyalakshmi titled “*Jeevitham oru Nilaykatha Porattam* (Life, a never-ending battle).” Women Development Cell in collaboration with health club organised a seminar against Drug Abuse. Women Development Cell along with the departments of History and Political Science observed national girl child day by conducting “*Beti Bachavo Beti Padao*” program.
- ❖ **Departmental initiatives**- The students of the nearby schools and nature clubs visit the museum maintained by the department of Zoology. Seminars were conducted on environmental awareness by the departments of Zoology and Economics.
- ❖ The faculty and students of the institution coordinated a programme “Sharing the Knowledge” aiming at the academic development of the UP and high school students of Kinassery Vocational Higher Secondary.

- ❖ In association with the Department of public education, a program called “Saahyam” was initiated at the campus to support gifted children from various schools. A four day camp was organized at the campus in December 2016.

In addition, the various clubs of the college too contribute to promote student involvement in social movements. The following programs were conducted by the various clubs and cells during 2015-17

Sl no	Club	Activity	Focus
1.	Audio Visual Club	Documentary screening “Womenses”	Gender Sensitization
2.	Bhoomithrasena Club	“Kaathu Vekkan Kanivinte Oru Thulli”	Water pots for birds and animals
3.	Women Development Cell	Female students on the Awareness of Cyber Crime.	Women empowerment & awareness
4.	Health & Yoga club	Blood group identification Camp	Health Awareness
5.		Personal Hygiene & Health	Health Awareness
6.		Yoga for students	Health Awareness
7.	ACK Raja drawing and painting club	2 day artist camp	Fine arts
8.	Folklore and tourism club	Food festival	Entrepreneurship
9.		Musical Performance “Pulluvanpattu”	Familiarising traditional art form
10.	Dance & Music Club	Lecture demo on Odissi dance	Familiarising Indian classical dance forms.
11.		Lecture demo on Mohiniyattam	Familiarising Indian classical dance forms.
12.	English Club	Reading Competition	Developing communication skills
13.	Literary & Debate Club	Debate on campus politics	Debating skills

14.	English Club	Reading and Recitation Competition	Developing communication skills
15.	Literary & Debate Club	Debate on Campus Politics	Debating skills

No. of students participated in NSS events

Sl.	Level	2015-16	2016-17
1	University level	100	110
2	State level	-	-
3	National level	1	3
4	International level	-	-

No. Of students participated in NCC events

Sl.	Level	2015-16	2016-17
1	University level	160	160
2	State level	8	15
3	National level	17	18
4	International level	-	-

No. Of Awards won in NSS

Sl.	Level	2015-16	2016-17
1	University level	-	2
2	State level	-	-
3	National level	-	-
4	International level	-	-

No. Of Awards won in NCC

Sl.	Level	2015-16	2016-17
1	University level	1	-
2	State level	-	-
3	National level	1	1
4	International level	-	-

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

The institution attracts student involvement in various social movements and activities which promotes citizenship roles through NSS, NCC, Pain and Palliative Care and college union activities. The data entry work for about 5000 applicants for various health schemes of the government of Kerala was completed by the NSS and Palliative Care unit of the institution. The Pain and Palliative unit of the institution organised a one day picnic for around 30 paediatric leukaemia patients and distributed learning kits. The NSS unit of the College has formed an Alumni association, NSS Volunteer Alumnus, to motivate, and train the newcomers. A group of old students & teachers have formed a society named "Bodhi" to support charitable activities.

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

Stakeholder representatives are included in the IQAC. The institution collects institutional feedback from the ongoing students. This evaluation is transferred to the College Council and the IQAC and necessary steps are initiated. IQAC holds meetings with the Governing Body and the PTA and their suggestions are considered and implemented.

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

Planning and organisation of extension activities is designated to the NSS, NCC, Pain and Palliative Care and the Students Union in a democratic manner. The budget allocation for NSS is done by the University. College union budget is prepared by the College. The NCC is also funded by their authorities.

No. of Extension activities organized

Sl		2015-16	2016-17
1	University forum	-	-
2	College forum	7	10
3	NCC	3	-
4	NSS	25	52
5	Any other	-	-

Budgetary allocation by College Management

Sl		2015-16	2016-17
1	University forum	-	-

2	College forum	-	-
3	NCC	-	-
4	NSS	-	-
5	Any other	-	-

**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 teachers are encouraged to take up the roles of conveners of various organisations like NSS, NCC, and Pain and Palliative Care. Students are given orientation and support for active involvement in these different organisations as well as members of several clubs. Camps oriented towards community development programs are conducted. Knowledge is shared through talks by eminent persons. The best male volunteer and best female volunteer are identified and prizes distributed. The PTA organises annually a felicitation program to acknowledge the achievements of the students in academic, extra-curricular and extension activities.

**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?**

Research and projects on the following areas have been undertaken by the research scholars and students of the institution.

- Socio economic issues of slum dwellers
- A sociological study on the rights and privileges among the tribes
- Rehabilitation of migrant street children in Kerala
- Poverty Management in India
- Food inflation and its impact on Urban poor
- Self-concept and social adjustment of hearing- impaired students in higher Secondary Level at Kozhikode
- Sociological study of Paniya Tribes in Kerala-special reference to Wayanad
- A sociological study on the involvement of physically disabled College students in educational and socio-cultural activities
- Women with Physical disabilities-Challenges, goals and achievements
- Globalisation and labour market flexibility with special reference to head load workers in Kerala
- The faculty and students of the institution co ordinate a program “Sharing the knowledge “ aiming at the academic development of the weaker students of the Kinassery Vocational Higher Secondary School

**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.**

Students who are exposed to extension activities like those organised by NSS and Palliative care, grow up to be confident, compassionate, skilled and competent individuals at the end of their course. These qualities help in enhancing their learning experience and motivate them to continue learning as far as possible even when engaged in jobs. This is best exemplified by the activities of the Bodhi Charitable Trust which was formed by the old students of the institution.

**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?**

- Association with Kerala Folk Lore Academy to conduct seminars, cultural programs etc
- Association with Kudumbasree Unit
- Visits by the students to Old age Homes, Orphanages, mental hospital etc
- The faculty of the department of Botany work in collaboration with Malabar Botanical Garden
- Student and teacher participation in All India Radio programs, talks on environmental awareness and social issues.
- Faculty participation as members in planning board of local self governing institutions.

**2015-17**

- ❖ **The National Service Scheme** unit is a cause of pride for the institution. The participation of the students in activities at the university level in 2016-17 has increased to 110. The students have won around two awards during 2016-17 at university level. The NSS has organised 52 extension activities during the academic year 2016-17. Various competitions on social issues such as drug abuse and anti-tobacco were organized. Aids Day awareness campaign was conducted at the Kozhikode railway station. Organ donation awareness programmes and blood donation campaigns were organized. Several drives aimed at cleaning the premises of public institutions were initiated. Road safety awareness programmes were also organized. Literacy aid programmes at Kuthiravattam Mental hospital and health survey in the adopted village in the Olavanna panchayath were also conducted. Anti war awareness programme was organized to observe Hiroshima Day. Three Aids Day awareness campaign were organized. Several drives aimed at cleaning the premises of public institutions were initiated. Road safety awareness programmes were also organized. Educational support programmes for SSLC students were conducted at GVHSS Kinassery. Several cleaning initiatives were also organized in the School premises. A massive cleaning drive was organized at the adopted

village. A project called *Sujalam* was initiated to rejuvenate Mampuzha River. The NSS vigil help desk was set up in collaboration with Vigilance Department to assist the public who approach government offices for availing various services.

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- ❖ **Departmental initiatives-** The students of the nearby schools and nature clubs visit the museum maintained by the department of Zoology. Seminars were conducted on environmental awareness by the departments of Zoology and Economics.
- ❖ The faculty and students of the institution coordinated a programme “Sharing the Knowledge” aiming at the academic development of the UP and high school students of Kinassery Vocational Higher Secondary.
- ❖ In association with the Department of General Education, a program called “Saahyam” was initiated at the campus to support gifted children from various schools. A four day camp was organized at the campus in December 2016.

**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.**

- Department of Chemistry works in association with centre for Water Resources Development and Management (CWRDM)
- Association with Anweshi
- Association with Kudumbasree Unit
- Visits by students to Old Age homes, Orphanages, Mental hospital.
- Faculty of the department of Botany work in collaboration with Malabar Botanical Garden & Institute for Plant Sciences (MBGIPS)
- Directorate of environment and climate change, Govt of Kerala for environmental protection works of Bhoomithrasena.
- Student and Teacher participation in All India Radio Program.
- Department of Hindi conducts programs in collaboration with Bhashasamanwaya vedi
- Participation in Local Self Governing Bodies.
- Participation of teachers as experts in engaging classes and conducting examinations in the autonomous institutions of the locality.
- Extension activities of NSS & Pain and Palliative Care Unit

**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.**

Name	Year	Award
Dr. Meera, P.I (Dept. of Hindi)	2015	Abhayadev Smaraka Bhasha Samanwaya Puraskar
Unnikrishnan, S. (Dept. of Malayalam)	2015	Yuva Pradhiba Puraskaram (Vivekananda Darshana Vedi)
	2016	Durgadatta Puraskaram (Tapasya Sahitya Vedi)
Praseetha, P. (Dept. of History)	2017	Best NSS Program Officer Award
	2015	Sahitya Sree Award
Arya Gopi (Dept. of English)	2015	Asan Prize
	2015	Yuva Prathiba Puraskar (ONV Cultural Academy)
	2015	Ankanam Award
	2015	Kerala State Government Youth Welfare Board
	2015	M.Sukumaran Memorial Kala Kaumudi Award
	2016	Swami Vivekananda Award for Literature
	2016	Youth Icon Award (Govt of Kerala)
	2016	Harisree Radhakrishnan Smaraka Kavitha Award
	2016	Vayalar Ramavarma Poetry Prize

	2016	M N Kuruppu Smaraka Kavitha Puraskaram
	2016	Kalakaumudi Mahakavi Pallath Raman Puraskaram
	2016	Kozhisheru Balaraman Yuva Award
	2017	Dubai Yuva Award (ONV Foundation)
	2017	Avani Balasahithya Puraskaram

### 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.

Dr. N.E. Rajeevan has done considerable research in collaboration with UGC-DAE consortium for scientific studies, at BARC, Mumbai, in the field of Neutron diffraction studies of Multiferroic oxides. Based on the result of

studies, two research papers have been published in International peer reviewed journals.

The faculty of Botany, associates with the Malabar Botanical Garden and Institute for Plant Sciences (MBGIPS) in project and guidance of Ph.D. students. Dr. K.P. Rajesh is a co-investigator in a state government project on Pteridophytes in the MBGIPS. Dr. Manju C. Nair is acting as the co-guide of the two Ph.D. students of MBGIPS, on the topic of Bryophytes. Dr. KP Rajesh is a co-guide of a Ph.D. student in the Department of Botany of Government Victoria College, Palakkad. The research scholars of MBGIPS and Government Victoria College utilise the facilities and literature resources available in the Department of Botany of ZG College.

The Department of Zoology collaborates with Zoological Survey of India (ZSI), University of Dharwar and Tamilnadu Agricultural University (TNAU) to identify the insect species. The department also collaborates with TC Narendran Trust in identification of species. The faculty of the Department of Botany and Chemistry collaborate with the Indian Institute of Spices Research (IISR) Calicut.

Many of the departments function in collaboration with renowned research institutes. The department of Hindi collaborates with Bashasamanwyavedi, an organisation for the promotion of vernacular languages. The departments conducted interactive sessions and seminars.

The department of Sociology and History interact with KIRTADAS, a centre for promotion of tribal studies. Students of these departments visits KIRTADAS to collect data as part of their project work. The department of History interacts with Calicut District Archives and the students utilise the facility for their project work. The department of History and Political Science interact with Chettur Sankaran Nair Foundation in the conduct of seminars and student enrichment programs. The department of Physical Education collaborates with FAITHS (The foundation for assessment and integration of traditional health systems), Bengaluru and VYASA (Vivekananda Yoga Anusandhana Samsthana), Bengaluru and Santhosh Health University , Delhi. The main areas of collaboration include yoga research, yoga therapy, education program, hospital consultancy, exchange of students etc. The department of Commerce collaborates with DIC (District Interactive Centre) in the conduct of seminars , exhibitions etc

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

The department of Physical Education has signed three MoUs with FAITHS (The Foundation for Assessment and Integration of Traditional Health systems) Bengaluru, VYASA (VivekandaYoga Anusandhana Samsthana) Bengaluru and Santhosh Health University, New Delhi. The main areas of collaboration include Yoga Research, Yoga therapy, Education Programme,

Research, Education and Hospital Consultancy. The main areas of collaboration with VYASA include the field of co-operation in Yoga, Ayurveda, Public health and personal hygiene; exchange of programs, scientists and students and funding for the link programs.

The department of Sociology and History interact with KIRTADS, a centre for promotion of tribal studies. The department of History interacts with Calicut District Archives and the students utilise the facility for their projects work. The department of History and Political Science interact with Chettur Sankaran Nair Foundation in the conduct of seminars and student enrichment programs. The Department of Zoology collaborates with Zoological Survey of India (ZSI), University of Dharwar and Tamilnadu Agricultural University (TNAU) to identify the insect species. The department also collaborates with TC Narendran Trust in identification of species. The faculty of the Department of Botany and Chemistry collaborate with the Indian Institute of Spices Research (IISR) Calicut.

Dr. N.E. Rajeevan has collaborative Research Support with Dr. Ravi Kumar, Centre for Materials Science and Engineering, NIT, Hamirpur (Himachal Pradesh), Dr. S.D. Kaushik, UGC-DAE Consortium for Scientific Research, Mumbai, Centre, BARC, Dr. D.K. Shukla, Hamburger Synchrotron Strahlungslabor HASYLAB-DESY (Germany), S.K. Arora and I.V. Shvets, Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN), School of Physics, Trinity College, (Ireland), Dr. P. Thakur and Dr. N.B. Brookes, European Synchrotron Radiation Facility (ESRF), France.

Dr. Sudheesh Parathakkatt, is doing collaborated research work on Octanol-Triggered Self-Assemblies with Technion-Israel Institute of Technology Israel.

The association of the faculty of Botany with the experts of other international institutions also resulted in joint publications and databases. Dr. Arun Kumar T. K., is a curator and administrator of the online database-AFTOL-Structural and Biochemical Database (<http://aftol.umn.edu>), developed and maintained by the "Assembling the Fungal Tree of Life" Project Consortium, initially funded by the National Science Foundation (NSF), U S A (Funding period: 2008-2012). It is now supported by Minnesota Supercomputing Institute, University of Minnesota, U S A. His association with researchers of University of Minnesota (USA), Minnesota Super Computing Institute (USA), Bell Museum of Natural History (USA), Louisiana State University (USA), University of Alabama (USA), Arizona State University (USA), LandCare Research (New Zealand), etc resulted in joint publications. Association of Dr. KP Rajesh and Dr. Manju C Nair with the taxonomists of British Natural History Museum (UK), Károly Eszterházy College (Hungary), etc also resulted in joint publications. Dr. Sanoj, E. Associated with the scientists of National Museum of Natural History, Smithsonian Institution and Lyon Arboretum, University of Hawaii, etc for joint publications. The faculty of Botany also maintains good academic linkages with researchers in the institutions of the country, such as Indian Institute of Spices Research (IISR,

Kozhikode, Kerala), Jawaharlal Nehru Tropical Botanic Garden and Research Institute (JNTBGRI, Thiruvananthapuram, Kerala), Malabar Botanical Garden and Institute for Plant Sciences (MBGIPS, Kozhikode, Kerala), Kerala Forest Research Institute (Thrissur, Kerala), University of Calicut (Kerala), and resulted in joint publications.

**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.**

Most of the departments interact with research institutes of the locality and students use their resources of the institutes for the project work.

The Calicut District Archives organised an exhibition of archival material and students from the nearby educational institution benefitted.

**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 two years.**

Sl. No	Department	Topic	Resource Person
<b>2015-2016</b>			
1.	History & Political Science	Chettur Sankaran Nayar & Indian liberalism(National Seminar)	M.R. Raghavan, Member of Parliament, Prof. M.G.S. Narayanan, Dr. K. Gopalankutty, Prof. Rajashekharan Nair, Adv. Sarath Chandran , Practicing advocate Madras High Court, Adv V.V. Viswambaran
2.	Physical Education	Yoga	Dr. Lalitha Gourav (Vinyas Yoga Centre Gwalior) Shripad Yesso Naik (Honourable Minister of State Independent ), P.R. Krishna Kumar (Chancellor Avinashalingam Institute of home science and higher education for women), Dr. Sharmila Anand (MD Santhosh University), Dr. Bijulona
3.	Economics	An introduction to Insurance	Vijay Chandran, K.P. Keerthi kumar, T.K. Gopakumar (Calicut Insurance Institute
4.		Actuarial science : an overview	Mr. S. Chidambaram ( Affiliate Member Institute of Actuaries London)
5.	Sanskrit	Thiruvalluvar	P.T. Haridas Member ICHR, Ulloor Parameswaran
6.	Sociology(National Conference)	Sociology of Spatial Transformation (National Seminar)	Dr. M.A. Kalam, Prof. of Eminence, Tezpur University, Prof. D.D. Namboodiri, Director, CREST, Kozhikode, Dr. K.G. Dilip, SSUS Kalady, Dr. Antony Palakal, Loyola College Tvm. Dr. Peter M. Raj, KILA Thrissur, Prof. R.K. Varghese, President, KSS. Dr. Jhony C. Joseph, visiting faculty Malayalam University, Dr. Thara Bai, Former President, KSS, Dr. Abraham Vijayan, HoD, KNM College, TVM.
7.	Physics, Chemistry, Mathematics,	New Horizons in Indian Science and Technology	Dr. K.P. Prabhakaran Nair, Formerly Professor, National Science Foundation, Dr. Kishore

	Botany & Zoology		Kumar, K., HoD, Department of Botany, Farook College. Dr. Sunil Mathew, Asso. Prof. NIT, Calicut
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**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
- b) Internship/ On-the-job training
- c) Summer placement
- d) Faculty exchange and professional development
- e) Research
- f) Consultancy
- g) Extension
- h) Publication
- i) Student Placement
- j) Twinning programmes
- k) Introduction of new courses
- l) Student exchange
- m) Any other

The Department of Physical Education has signed three MoUs with FAITHS (The Foundation for Assessment and Integration of Traditional Health systems) Bengaluru, VYASA (VivekandaYoga Anusandhana Samsthana) Bengaluru and Santhosh Health University ,Delhi. The main areas of collaboration with FAITHS include Yoga Research, Yoga therapy, Education Programme, Research, Education and Hospital Consultancy. The main areas of collaboration with VYASA include the field of co operation in Yoga, Ayurveda, Public health and personal hygiene; exchange of programs, scientists and students and funding for the link programs.

Two research papers have been published in international peer reviewed journals (Conference proceeding of American Institute of Physics and Journal of Magnetism and Magnetic Materials) following the completion of Collaborative Research Project with UGC-DAE consortium for Scientific Research, at BARC by Dr. N.E. Rajeevan as Principal Investigator.

The department of Zoology has signed an MoU with T.C. Narendran Trust for identification of species. The Department of Botany collaborates with Malabar Natural History Society (MNHS) and Centre for Research in Indigenous Knowledge, Science and Culture (CRIKSC) for publication of books. The department of Hindi signed an MoU with Bashasamanwayavedi, an organisation for the promotion of vernacular languages. The departments conducted interactive sessions and seminars.

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

The inter-disciplinary research forum of the college, ZCIR, encourages its researchers in establishing collaborations with reputed researchers in renowned institutions in India and abroad. Some of the linkages are formed when students or faculty approach research institute for support in research work. Sincere efforts are made by the institution in leading such linkages to serious collaborations.

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

The research centre that was recently made fully functional is a unique feature of the institution. It was completely funded by the college management and this centre is ample proof of their dedicated efforts in developing a conducive research atmosphere. It is the first of its kind in arts and science affiliated college. The centre houses science labs, digital classrooms, research spaces for various disciplines, a conference hall, library and a dining hall in an eco friendly space.

## 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 institution opts for a planned development of the campus to keep pace of the changing needs of the academic world. Infrastructure maintenance is crucial for such diversified programs offered in the modern times. The Management and the college are always aware of the changing climate in the educational scenario. Institution takes great care to improve the infrastructure for the benefit of our students.

The Institution is very keen in improving the teaching-learning facilities by tapping all available resources from various stake-holders such as Alumni, PTA, etc. The funds from agencies such as UGC had been carefully utilised for improving the teaching-learning facilities of the college. While utilising such grants, the policy is to take utmost care in procuring instruments and other facilities, both for the routine use of the students as well as high end equipments for improving research. The students are greatly benefitted by this approach. The basic equipments, and facilities help them to practice in the labs to get trained. The sophisticated facilities on the other hand are utilised for preparation of their project works also. The research level equipments and facilities, installed in the recent years, are utilised by the students and researchers from other colleges and institutions also.

The Alumni Association of the Physics Department had contributed in transforming one of its ordinary rooms into a Digital Class room cum Mini Conference hall, named as S.N. Bose Hall. The Alumni of Mathematics Department enriched its Computer Lab by adding computers.

The Class rooms and labs of Botany Department, named after great botanists such as *Janakia*, *Bosea*, *Roxburghia* and *Linnaea* had transformed into digital compliant classes with ceil mounted LCD projectors and Digital TV. The laptops, procured from UGC funds are utilised by the students for their computing needs, and preparation of presentations, project reports, conduct of practical examinations, etc. Other major equipments installed in the research labs, are utilised by the students and researchers of this college, as well as other institutions. The Research Centre built by the management of the college is with all the potential to transform into a state of the art facility in the forthcoming years.

**Infrastructure Development (since 1955)**

Administrative and Main blocks	1955
Pre degree Hostel	1955
Library	1956
Gymnasium	1956
College Pavilion	1956
Playgrounds	1956
Botanic garden	1957
Ladies room	1958
Cafeteria	1958
Firing range	1960
Auditorium	1960
Animal house	1960
Women's hostel	1968
Commerce block	1981
Men's hostel	1983
PTA block	1992
Seminar hall	2000
PG Block	2000
Career Guidance Centre	2001
Open air theatres	
1. Chaitram	1997
2. Kailasam	2001
Health and Trauma Care Centre	2003
Dining room for boys	2009
Research Lab of Botany Dept. ( <i>Planta Genomea</i> )	2013
Smart Class room cum Mini Conference Hall at Physics Department (S.N. Bose Hall)	2013
New building for Student's Co-operative Store	2014
Girl's hostel	2015
Research Centre	2015
PTA Guest Room	2016
New Ladies Hostel	2017

Guruvayurappan College Post Office and Extension Counter of Punjab National Bank are also functioning in the campus. The above table shows a gradual progression in infrastructure according to the need of the time

#### 4.1.2 Detail the facilities available for

- a) **Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, animal house, specialized facilities and equipment for teaching, learning and research etc.**
- b) **Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.**

##### a) Academic:

- Sixteen full-fledged Departments with computers and printers.
- Sufficient number of classrooms.
- A good library with a permanent librarian.
- Herbal garden.
- Botanic garden.
- Animal house
- Yoga hall.
- Laboratories in the Departments of Physics, Chemistry, Botany, Zoology, and Yoga.
- S.N. Boss Hall
- I T lab.
- Digital Classroom.
- Language lab in the Department of English.
- Smart classrooms – Departments of Malayalam and Physics.
- ZCIR.
- Career Guidance Centre.
- NET/SET Coaching.
- Museum
- IQAC

##### b) Co- Curricular:

- Spacious auditorium with ample seating capacity.
- Two seminar halls.
- Open-air stages – Chaithram and Kailasam
- Health and Counselling centre

##### c) Extra- curricular:

- A big playground where Cricket, Football, Hockey, and Handball are played.
- A Pavilion with changing rooms

- Basket Ball, Shuttle, Lawn Tennis and Volley Ball courts
- Indoor Games room
- Gymnasium with training facility for weightlifting and power lifting

d) Others:

- PNB extension counter.
- Cafeteria.
- Ladies centre.
- Boy's dining hall.
- Co-operative store.
- Three Hostels.
- Recreation room for Staff.
- Common room for lady Staff.
- Campus statues.
- Firing range.
- Post office.
- NCC office.
- NSS office.

**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).**

Academic Growth – Last two years

2016 The Department of Malayalam became Research centre

2017 The Department of English and Chemistry became Research centres

The institution ensures that the available infrastructure is utilized optimally. As more PG departments are being upgraded into research departments, a new research centre has been constructed in the campus

The list given in response to question No 4.1.1 exemplifies how the college has developed gradually since its foundation. The finance for infrastructure growth is gathered from several sources like UGC, PTA, College Management, and the Alumni Association. For optimal utilization the institution also extends the facilities to off campus academic community and the neighbourhood in a restricted manner. Some of those initiatives are:

- Examination Centre for private candidates of the University of Calicut.
- Centre for Entrance examination of Central University of Hyderabad.
- Centre for GATE& PSC examinations.

- College hosted the “Saahyam” scheme an education supplementary scheme for gifted students initiated by Govt of Kerala.
- Lab Sharing.
- Playground sharing with local clubs and Panchayats.

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

There are two computers in the library that provide reading facility for visually challenged. Internet facility is also available in the library. They are also provided with hostel facility. Facilities for medical emergencies are also set up by the college. The college is one storied, most of the areas and the classrooms are easily accessible. Special care is taken to provide accessible rooms for disabled students in hostels. Ramps have been constructed.

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

- **Hostel Facility – Accommodation available**
- **Recreational facilities, gymnasium, yoga centre, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audio-visual Equipments**
- **Available residential facility for the staff and occupancy Constant supply of safe drinking water**
- **Security**
  - Three hostels accommodating 300 hundred students.
  - A play ground used for various sports activities by the institutions, various sports associations as well as local self governing bodies
  - A Pavilion with changing rooms and washroom facility
  - Basket Ball, Shuttle, and Volley Ball courts, Indoor Games room, Gymnasium with training facility for weightlifting and power lifting.
  - A health Centre with a qualified medical practitioner and a qualified counsellor
  - Staff quarters for both teaching and non teaching staff
  - There are 4 wells and portable water is available in the campus. Water coolers are provided in four areas in the institution
  - Security staff is appointed in two stations and they are on duty for 24 hours. All entry to the hostel is restricted and entry is allowed only after verification of ID Cards by the security.

**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?**

There is a Health Centre and Counselling Centre on the Campus. The service of a physician is made available to the staff and students twice a week at the Health Centre. The Health and Yoga club organised a practical session on”

Yoga for students” and a session for girl students on “Personal Health and Hygiene” for UG students. The IQAC also organised an orientation class at the Ladies’ Centre and conducted a cleanliness survey.

**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.**

Common facilities are provided for special units like IQAC, Health Centre, Canteen, and Recreational space for staff, safe drinking water facility, dining space for girls and boys, Auditorium etc. The college has separate rooms for IQAC, Counselling and Career Guidance Cell, Women Cell, Health Centre etc. The Physical Education department has well equipped Gymnasium. There is a subsidised vegetarian cafeteria and a non subsidised coffee counter which caters to the needs of both staff and students. The Auditorium is spacious and can accommodate upto 750 people. There are four wells in the campus that provide fresh water and there are separate dining areas for boys and girls. Safe drinking water is available in the campus through out the year.

**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?**

The college has a well-ventilated, well lighted and spacious library with sufficient seating arrangements for over 110 students and space for faculty and research scholars. The library functions under the supervision of a UGC- NET qualified librarian and four members of the supporting staff.

The Library advisory committee with Principal as the chairperson, Librarian as the ex-officio secretary, representatives from selected teachers from the department of Humanities, Science, Commerce and the Chairman of the students union as member, lays down the policy and program for the functioning of the Library. The Committee gives directions and recommendations on all matters related to the organization and services of the College library.

User-friendly initiatives of the committee implemented:

- The warm hearted, co-operative and informed staffs of the library keeps the library user friendly.
- Open access system
- The completely automated functioning of the library makes the transactions easier.
- Access to e-books and e-journals through INFLIBNET
- Orientation for using e-resources

- Discipline ensured through installation of CCTV cameras, etc.
- Feedback collected from users

**4.2.2 Provide details of the following:**

- \* **Total area of the library (in Sq. Mts.)**
- \* **Total seating capacity**
- \* **Working hours (on working days, on holidays, before examination days, during examination days, during vacation)**
- \* **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

Total area of the library	: 631.7407 Sq. m
Reading room	: 251.024 sq. m
Stack room	: 347.4574 sq. m
Circulation counter	: 21.103 sq. m
Library staffs seating area	: 12.150 sq. m

**Working Hours:** (On working days, on holidays, before examination days, during examination days, during vacation):

Library kept open on all working days 8.30 AM- 5.00 PM.

During Examination days 8.30 AM- 5.30 PM

During the vacation 9.30 AM - 4.30 PM

**Layout of the library:** The College Library functions in a separate single building.

**Stack room:** - The total area of stack room is 347.4574 square meters Stack room accommodates general books and text books.

**Veranda:**-veranda accommodates news paper reading section and general periodicals section. The total area of veranda covering 126.441 square meters.

**Reading room:-** Reading room accommodates reference section; Post graduate level journals, internet facilities and Online Public Access Catalogue and reading facilities to library users.

**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 two years.**

Every year an amount is ear marked for the purchase of library books and journals. The Principal circulates a notice to the departments on the allocation of funds for the purchase of books. The Heads of the departments provide the list of required titles, both print and e-journals, to be purchased. The prime source of e-journals is, however, the N-List offered by INFLIBNET to which this institution is a subscriber. The provisional list of books recommended by each department is handed over to the librarian. The Librarian after verification makes the purchase order to the approved publishers or

distributors. Teachers as well as the Librarian purchase the required books for the library.

Library Holdings	2015-16		2016-17	
	Number	Total Cost	Number	Total Cost
Text Books	153	119783/-	281	151741/-
Reference Books	02	250/-	02	270/-
Journals/ Periodicals	-	-	04	3600/-
E- Resources	INFLIBNET	5000/-	INFLIBNET	5000/-
Any other	-	-	-	-

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

- \* **OPAC**
- \* **Electronic Resource Management package for e-journals**
- \* **Federated searching tools to search articles in multiple databases**
- \* **Library Website**
- \* **In-house/remote access to e-publications**
- \* **Library automation**
- \* **Total number of computers for public access**
- \* **Total numbers of printers for public access**
- \* **Internet band width/ speed 2mbps 10 mbps 1 gb (GB)**
- \* **Institutional Repository**
- \* **Content management system for e-learning**
- \* **Participation in Resource sharing networks/consortia (like INFLIBNET)**
- **OPAC:** The library has Online Public Access Catalogue (OPAC) through which users can search the information resources available in the library. Training on “How to use OPAC for search” is provided during the orientation class to the newly admitted students.
- **Electronic Resource Management package for e-journals:** The college access to e-journals through N-List of the INFLIBNET.
- **Federated searching tools to search articles in multiple databases:** This facility is used by research scholars to find out articles related to their area of research.
- **In-house/remote access to e-resources:** The main source of e-resources is through N-LIST, where users can login using their ID and password.
- **Library Automation**
- ❖ Library operations are fully automated using ‘Book Magic’ software which enables computerized management of library operations.
- ❖ Users search a library catalogue principally to locate books available at a library
- ❖ Some books are bar-coded which enables easy circulation.

- **Total Number of computers for public access : 7**
- **Total Number of printers for public access : 1**
- **Internet band width/ speed: 2 mbps.**
- **Participation in Resource sharing networks/consortia (like INFLIBNET):** The college has membership in the prestigious NLIST programme of INFLIBNET

#### 4.2.5 Provide details on the following items:

- \* **Average number of walk-ins**
- \* **Average number of books issued/returned**
- \* **Ratio of library books to students enrolled**
- \* **Average number of books added during last three years**
- \* **Average number of login to OPAC**
- \* **Average number of login to e-resources**
- \* **Average number of e-resources downloaded/printed**
- \* **Number of information literacy trainings organized**
- \* **Details of “weeding out” of books and other materials**

Particulars	
Average number of walk-ins	250/day
Average number of books issued/returned /week	260/day
Ratio of library books to students enrolled	36:1
Average Number of books added during last three year	230
Average number of login to OPAC	65/day
Average number of login to e-resources downloaded/printed	40/day
Number of information literacy trainings organized	8
Details of “weeding out” of books and other materials	600

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

- \* **Manuscripts**
- \* **Reference**
- \* **Reprography**
- \* **ILL (Inter Library Loan Service)**
- \* **Information deployment and notification (Information Deployment and Notification)**
- \* **Download**
- \* **Printing**
- \* **Reading list/ Bibliography compilation**
- \* **In-house/remote access to e-resources**
- \* **User Orientation and awareness**
- \* **Assistance in searching Databases**
- \* **INFLIBNET/IUC facilities**
- **OPAC**
- **Automated circulation**
- **Fully computerized services**
- **Free internet access**

- Open access system
  - CCTV
  - Printing and scanning facilities
  - ❖ **Reprography:** Photocopying facility is available at the Student Support Centre.
  - ❖ **Information deployment and Notification:** New arrivals displayed; information and notification put on the library notice board.
  - ❖ **Download:** Facility to download information resources is available in the library.
  - ❖ **Printing:** Facility is available.
  - ❖ **Reading list/ Bibliography compilation:** Author, title, subject and publisher based reading list and bibliography are available via. OPAC.
  - ❖ **In-house/remote access to e-resources/ In-house access to any e-resources:** Remote access to INFLIBNET
  - ❖ **User Orientation and awareness:** Conducted for first semester students.
  - ❖ **Assistance in searching Database:** On request
  - ❖ **INFLIBNET/IUC facilities:** INFLIBNET, N-LIST facility with individual ID for students, researchers and faculty.
- 4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.**
- ❖ The librarian/staff helps the students to search for books and other material.
  - ❖ The library staff motivates students to visit the library daily.
  - ❖ New arrivals are kept in open racks to attract and create interest in readers.
  - ❖ 2 Mbps broadband Internet connection in the library.
  - ❖ The first year students are given an orientation on the rules and regulations of the Library.
  - ❖ Both teachers and student have access to internet services during the working hours free of any cost.
  - ❖ Reprographic facility is available at the Student Support Centre.
  - ❖ Online access to e-journals is provided through INFLIBNET
  - ❖ Book reservation facility is provided.
  - ❖ Search and location assistance for printed as well as e-learning resources through N-List and other educational web-sites
  - ❖ Regular feedback is collected from library users.
- 4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.**
- ❖ Installed software for the visually challenged named JAWS.

- ❖ Teachers and classmates browse the library and make books available to such students based on their requirements.
- ❖ Books are issued to the visually/physically challenged students for a longer time than the usual.

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

Yes. The college has started collecting feedback from the students for improving the library services. Feedback is collected from regular users of the library. The Library Advisory Committee analyses the feedbacks, and discusses the ways in which the services of the library can be improved.

Improvements based on feed backs

- ❖ More number of text books has been bought.
- ❖ CCTV cameras were installed to monitor discipline and security
- ❖ Provide more number of computers in internet section
- ❖ Provide Wi-Fi enabled IT infrastructure

**4.3. IT Infrastructure**

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

- Number of computers with configuration (provide actual number)

Specification	Number of computers
Intel (R) Xeon (R) E5405 @2.00GHz, 4 GB RAM	1
Intel (R) i5 processor, 4gb RAM	5
Intel dual core processor , 2GB RAM	64
Intel (R) core 2 duo, 2GB RAM	22
Intel Upgraded	80
Laptop	26
Total	155

- Computer student ratio - 1 : 9
- Stand alone facility - yes
- LAN facility – LAN facility is available in college office, library, Informatics lab
- Wifi facility - Available in Administrative Block, Informatics lab and Research centre

- Licensed software – MS-Windows versions and Linux (Ubuntu versions), MS-Office. Library Automation software (BOOK MAGIC), Total Campus Solutions (TCS), i-Leap, Adobe Illustrator
- Number of nodes/computers with internet facility – 60

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

Basic IT facilities for browsing and DTP are available in all departments. However, considering the varied needs of the students and faculty of the present age, the IT facilities are far from complete. It was with the generous support from the UGC the IT facilities have been upgraded considerably. However, the target of the college to reduce the 'Digital Divide' and to have one digital device (Desktop/Laptop/Tablet) per student, at least at the PG level, is yet to be achieved.

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

A master plan to install a CAMPUS LAN connecting college office, Library and all departments is under consideration. The plan to sign an MOU with BSNL to install its high-end facilities in the campus is under progress. Under this agreement, BSNL will provide optical fibre cable under National Mission in Education through ICT (NMEICT) scheme which will boost the speed and reliability in internet access. Discussion and negotiations are also on with other service providers to convert the campus as a wifi zone.

**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).**

The annual budget is prepared by the Management. The proposals for development and upgradation of ICT are presented to the management through the Principal. The Management very positively responds to the needs of the time by allocating necessary amount whenever necessary.

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

The Computer lab provides sufficient number of computers with internet facility which facilitate the use of computer aided teaching and learning materials. Laptops and projectors are available in all departments which are used by faculty members and students for taking classes and presentations. However, the transformation to full-fledged digital compliant classes is yet to be achieved.

**4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning**

**resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.**

All departments have the facilities for ICT enabled teaching and learning. Students are encouraged to submit online assignments and make presentations at seminars. A digital class room is set up in the research centre through which resource persons from all over the world take classes and interact with students to cater to their needs in various subjects.

The IT facilities need to be improved further. The present IT infrastructure is just enough to meet the basic computing needs of the student community. The aim of the College is to provide stand-alone facilities to the students. However, the delay in the fund allocation and distribution from the agencies such as UGC had slowed down the program of transforming the college into a full-fledged digital compliant institution.

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

At present the institution does not avail of the facilities provided by NKN. In the near future the institution intends to be part of this knowledge sharing community.

**4.4 Maintenance of Campus Facilities**

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

- a. Building
- b. Furniture
- c. Equipment
- d. Computers
- e. Vehicles
- f. Any other

Amount spent on Maintenance (in lakhs)

Sl.	Items	2015-16	2016-17
1	ICT	-	1.90
2	Campus Infrastructure and facilities	-	90.0
3	Equipments	-	5.9*
4	Others	-	-
5	Total	-	91.9

\* Research Microscope with image recording facility under the KSCSTE funded project in the Department of Botany.

Detailed income and expenditure statement is attached.

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

The college is very keen in maintaining its infrastructure. By pooling resources from various stake-holders, such as Management, PTA, Alumni, etc, it is updating the facilities. The UGC funds such as BSR grant, General Development Assistance, Additional Development Assistance, etc have been carefully utilised for improving the infrastructure facilities. The funds earmarked for improving the infrastructure in other UGC funded schemes such as Research Projects, Add-on courses, NET-SET coaching, etc were also carefully utilised. The ICT facilities were improved by utilising funds from various sources such as contribution from management, PTA, etc.

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

The institute takes up calibration and other precision measures for the equipments once in a year.

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

Major equipments are carefully maintained by the respective departments. Un interrupted power supply and water supply are ensured for such sensitive equipments.

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

Book Bank in Department of Botany, books donated by Alumni in Department of Maths.

## CRITERION V: STUDENT SUPPORT AND PROGRESSION

### 5.1 Student Mentoring and Support

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

Yes, The college calendar is published every year giving details of the organisational structure of the college. It includes the name of the affiliating University, the College Education Zone, vision of the college, relevant telephone numbers, e-mail, fax and other details, succession list of patrons, succession list of principals, governing body of the college, college council, history of the college, list of university rank holders, members of the teaching and non teaching staff, details regarding officers in charge of the NCC, NSS, Hostel, IQAC, Anti Ragging Cell, students grievance cell, Public relations officer, PTA Secretary, Computer Centre, Compulsory social service, Planning Board, discipline committee, SC-ST Cell, various Clubs, Walk with a Scholar, Scholar Support Programme, Guidance and Counselling cell, NET-SET Coaching, Pain and Palliative Unit, Career Guidance Cell, courses offered, fee rates-regulation, disciplinary rules of the college, fee concession and scholarships, Certificates (TC, Conduct), facilities in the Library, Library rules, schemes implemented with UGC support, students co-curricular amenities, College Union, Co-operative Credit Society, medals, prizes, scholarships and trophies, strength of SC-ST students, forms of application for transfer and Conduct certificate, College Alumni, Time table, details regarding courses offered by the computer centre and PNB extension counter.

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

The government level scholarships are disbursed as and when the funds are released. The institutional scholarships are usually released at the time of the college day celebration held every year. The scholarship provided by the Alumni ZGC-UAE unit is released after the eligible students are identified at the commencement of each academic year.

#### Government Scholarships:

- Central sector scholarships (Central govt)
- Post metric scholarships (Central govt)
- Higher education scholarships (General)
- C.H. Muhammed Koya scholarships (Muslim girls)
- State merit scholarships (General)
- Suvarna Jubilee scholarships (BPL-students)
- Merit scholarships to the school teachers 'children (School teachers)
- District merit scholarships (General)
- Hindi scholarships

- Sanskrit scholarships

<b>2015-2016</b>	Number of students	Amount
Financial support from institution	-	-
Financial support from government	38	593719
Financial support from other sources	12	1,20000
Number of students who received International/ National recognitions	-	-
<b>2016-2017</b>	Number of students	Amount
Financial support from institution	-	-
Financial support from government	48	782900
Financial support from other sources	12	1,20000
Number of students who received International/ National recognitions	-	-

#### **Institutional Scholarships:**

Sl.No	Beneficiaries	Numbers	Amount
1	UG	37	104000/-
2	PG	15	28000/-

Special endowment awards are given to volunteers from both NSS and NCC. The best sports talents of the college are also given special awards. The UAE Alumni chapter of the college has instituted 12 scholarships for needy students at both UG and PG level.

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

More than 80 % of the students enjoy fee concession/scholarships

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

- Students from SC/ST, OBC and economically weaker sections
- Students with physical disabilities
- Overseas students
- Students to participate in various competitions/National and International
- Medical assistance to students: health centre, health insurance etc.

- **Organizing coaching classes for competitive exams**
- **Skill development (spoken English, computer literacy, etc.,)**
- **Support for “slow learners”**
- **Exposures of students to other institution of higher learning/ corporate/business house etc.**
- **Publication of student magazines**

**Students from SC/ST, OBC and economically weaker sections:**

No fee of any kind will be collected from the students belonging to scheduled castes, scheduled tribes and other eligible communities. Students belonging to converts from scheduled castes, scheduled tribes should produce a certificate showing their community. Those belonging to other backward classes and converts from them should produce community and income certificates from the Tahasildar concerned at the time of their admission. Students belonging to forward communities are also eligible for fee concession from the Harijan Welfare Department under Kumara Pillai Commission Report. They should produce the income and community certificates from the Tahasildar concerned at the time of their admission as in the case of backward community students subject to government orders in force from time to time. The teachers provide counselling to bring these students to the mainstream and they are given training to get employment. They are motivated to participate in NSS and NCC.

**Students with physical disabilities:**

Students with physical disabilities are given great care and consideration by the other students and teaching and non teaching staff. Scribes are provided for those who are not able to write the examination. Reservation for admission is given as per University rules. There are two computers in the library to provide reading facility for visually challenged. Ramps have been constructed to aid entry into two buildings.

**Overseas students:**

No overseas students are studying in the College.

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

All the student activities are encouraged by the College and sufficient financial support is provided by the management, staff and non-teaching staff.

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

For medical emergencies there is a health centre functioning within the campus. The services of a medical practitioner are available twice a week. Classes are conducted regularly to create awareness regarding health issues among the students.

**Organizing coaching classes for competitive exams:**

PG departments conduct classes to assist students preparing for NET examinations.

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

Six sessions on communication skills and one workshop on Computer Literacy were conducted

**Support for “slow learners”:**

The Remedial and Scholar Support Programs are conducted to support slow learners. They actively participate in seminars and workshops conducted by other colleges and tours are conducted to industrial sites.

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

Opportunities are provided to the students to have firsthand knowledge on the various institutions during their visits to industries, etc.

**Publication of student magazines:**

Departments encourage students to publish manuscripts and every year College Union publishes a magazine.

Format	Department	Name	Year
Magazine	Mathematics	To the infinity and Beyond	2016-17
News Letter	Sociology	Vaakya	2016
Magazine	Students Union	Laughing Buddha	2016
Wall Paper	Botany	Gurufolia	2017
Wall Paper	Botany	Plant Power	2017

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

The college has an Entrepreneurship Development club which supports the institution to facilitate entrepreneurial skills. The ED Club trains students in entrepreneurship skills development through its various activities. The club organised a one day workshop on entrepreneurship skills and encouraged students to interact with business men. The members of the club have participated in seminars organised by District Industries Centre, Calicut.

ED Club members participated in the MSME Exhibition organized by the Department of Industries and Commerce, Government of Kerala.

**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.**

- \* **additional academic support, flexibility in examinations**
- \* **special dietary requirements, sports uniform and materials**
- \* **any other**

The college believes that the overall development of the students is complete only with participation in co-curricular and extracurricular activities. The college has twenty clubs to support the students in these activities.

Sl. No	Clubs
1	ED Club
2	Tourism Club
3	Consumer Club
4	Nature Club
5	Literary and Debate Club
6	Drama Club
7	Dance and Music Club
8	Development Club
9	Philately and Numismatic Club
10	Bhoomitra Sena
11	V K Krishana Menon Centre
12	English Club
13	Health and Yoga Club
14	Media Club
15	Folklore Club
16	Audio Visual Club
17	Heritage Club
18	Free Software Club
19	ACK Raja Drawing and Painting Club
20	Martial Arts Club

Regular programs are conducted by these clubs and students enthusiastically participate in their activities.

College level competitions are held every year and the winners are selected to participate in inter collegiate university level competition. The college appoints three teachers in charge of the union activities and these teachers give proper guidance to the students in matters relating to participation in inter collegiate competitions. The college has consistently won the third or the fourth positions in the Zonal level competitions of the University of Calicut.

Professional training is given to students in events like theatre, dance and music.

Participations in sports are also given proper encouragement. Training sessions are arranged early in the morning and this continues till late in the evening. Financial assistance is provided to the students who travel to participate in sports events. The Physical Education Department has won several laurels for the college.

Winners and participants of both the cultural and sports events are given prizes by the PTA.

Internal examination dates are flexible for these students and students who participate in outstation events are given extra opportunities to appear for their exams. Special classes are also given for these students

The college serves as avenue for several intercollegiate and Zonal level sports competitions.

The college provides support in matters of dietary requirements and uniforms. Food is provided to the students who participate in the training sessions and the cost is borne completely by the college. Similarly, the sports uniforms and materials are also provided by the college

Winners in both cultural and sports events are accorded grace marks by the University and the marks are added to the papers of their choice.

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

All information relating to competitive exams are displayed on the college notice board. There are separate cells which cater to the training requirements of students. The PG departments conduct training classes to support students who are preparing for NET examinations. The classes are usually held on weekends and in addition to classes by faculty, experts are also hired to handle sessions. Coaching classes for competitive examinations are organised by some of the departments.

**No. of student beneficiaries**

2015-2016	2016-2017
180	110

**No. of students qualified in this examination**

Sl.	Exams	2015-16	2016-17
1	NET	07	09
2	SET/SLET	07	05
3	GATE	02	01
4	CAT	-	-
5	IAS/IPS	-	-
6	State PSC	02	01
7	UPSC	-	-
8	Others	01	02

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

Counselling services are provided for academic, personal, and career purposes. The college has a well defined tutorial system and all matters relating to academics are discussed during the tutorial sessions. The institution has also introduced a mentoring system to discuss the personal and psycho-social issues of the students. A qualified counsellor visits the institution twice a week. Individual sittings with the students are also conducted. The Career Guidance Cell provides supports on the career front. Seminars and workshops are conducted by this cell.

**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).**

Yes. The Career Guidance Cell of the college has been providing unstinting support to the students. Students are intimated about various job opportunities and are encouraged to participate in job fairs.

- Several reputed firms like ICICI and KVR Bajaj have conducted campus recruitments for final year students.
- Departments of Zoology and Botany conducted a seminar on "career prospects in Sociology"
- Department of Commerce conducted a class on Career opportunities in Commerce
- Department of Commerce conducted a class on Career guidance
- Career Guidance Cell of the institution conducted Career Orientation Classes

**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 Grievance Redressal Cell for the students. Each department has a Grievance Redressal Cell comprising of three senior teachers. Complaints are received from the students by the respective departments and most of the issues are resolved. Issues of graver concern are routed to the college Grievance Redressal Cell. This is constituted with the Principal as the chairman, five members of the teaching staff, students representative and college librarian. The complaints received by the cell are directed to the concerned departments and the matter is studied in detail. The time taken for the decision-making depends on the type of complaint. The involvement of the Grievance Redressal Cell has made the decision-making process much faster.

Some of the Grievances received by the Cell are:

1. Facility in the college: The complaint was forwarded to the Management and the PTA and remedial measures were taken immediately.
2. Internal grading: This was forwarded to the concerned department and corrections were made.

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

The institution has constituted a Sexual Harassment Redressal Cell to resolve issues pertaining to sexual harassment. Such cases are however very rare or almost nil. The common Redressal Cell receives complaints in this regard and depending on the seriousness of the complaint, special committees are constituted.

However, the Women's Development Cell receives such complaints and helps in redressal of the issues. Sensitisation on gender issues is carried out by the cell through the conduct of classes and seminars.

**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?**

Yes. There is an anti-ragging committee functioning in the college. No serious instance of ragging has been reported during the last four years.

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

The students welfare schemes made available to the students by the college are:

1. Scholarship and Student Welfare Fund
2. Financial aid to economically backward students
3. Mid-day meal program for economically backward students with the assistance of PTA
4. Differently-abled students provided support through special reading software, scribe support etc
5. Three hostels for girls
6. Tutorial mentoring and remedial system take care of academic and personal issues
7. Regular orientation programme at the beginning of each academic year
8. Subsidised canteen facility
9. Bridge Course
10. Co operative Store

**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?**

Yes, The college has a very active alumni association which has chapters in different parts of the world. Annual alumni meetings are held and plans of action are charted.

A group of old students have formed the charitable trust forum "Bhodhi". The activities of the alumni include

1. Instituting scholarships
2. Conducting job oriented seminars
3. Contributing to infrastructure development especially in the departments of Physics, Mathematics, Chemistry, Zoology and.
4. Beautification of the campus including planting of trees

**Eminent alumni of the College include**

1. H. H. the Late Zamorin Raja of Calicut, Sri P.K.S. Raja, Retd. GM Telecom
2. Sri. V.K. Krishna Menon, Indian nationalist, diplomat, and statesman, Time magazine's second most powerful Indian after Jawaharlal Nehru, Co-founding Editor, Penguin Books, former Defence Minister of India, former Indian Ambassador to the United Nations, former Indian High Commissioner to the United Kingdom
3. Sri. S.K. Pottakkad, Travelogue Writer, recipient of Jnanpith, Kendra Sahitya Akademi Award, and Kerala Sahitya Akademi Award
4. Sri. KP Kesava Menon, world famous Statesman, Founder, Mathrubhumi, recipient of Padma Bhushan Award
5. Mahakavi Akkitham (Great Poet)
6. Sri. CH Muhammed Koya, former Chief Minister and Education Minister, Kerala
7. Sri. P.P. Ummer Koya, former Education Minister, Kerala
8. Sri. M.P. Veerendrakumar, former M.P., Former Minister of State for Labour and Finance, Union Govt. of India; Writer and Managing Director of Mathrubhumi Daily
9. Dr. M.G.S. Narayanan, renowned historian, former Chairman, ICHR
10. Sri. T. Bhaskaran, IAS, Executive Director, KRWSA, and former District Collector, Wayanad
11. Sri. Vijayan, IPS, IG (Protection of Civil Rights), CNN-IBN Indian of the Year (Popular Choice), 2014
12. Sri. C. Radhakrishnan, Novelist, Recipient of Ezhuthachan Award in 2016
13. Sri. Pradeep Kumar, MLA
14. Sri. K.P. Mohanan, CEO Jai Hind TV
15. Sri. P.C. Ravi Varma Raja, R&D Manager, Rexanos, Chicago
16. Dr. Madhavan Kutty, Former Principal, Govt. Medical College, Calicut
17. Sri. O.M. Nambiar, recipient of Dronacharya Award
18. Sri. M.N. Karassery, Writer, Activist, and Academician
19. Dr. K.P. Mohanan, Secretary, Kerala Sahitya Akademi
20. Dr. P. Hafis Muhammed, Author, Sociologist, Social activist, and Political commentator, recipient of MM Ghani Award
21. Dr. V.K. Haridas, former Principal, Zamorin's Guruvayurappan College, recipient of MM Ghani Award
22. Dr. M. Snehaprabha, former Professor and the Head of the Department of English, Zamorin's Guruvayurappan College, Creative Writer, recipient of MM Ghani Award

23. Sri. Kozhipurathu Madhava Menon, freedom fighter, served as Minister in the Madras State
24. Sri. Johny C. Joseph, former Head of the Department, Sociology, Zamorin's Guruvayurappan College, recipient of MM Ghani Award
25. Sri. Chidanandan, Player, Kerala Santhosh Trophy team
26. Sri. Satheesan Puthanpurayil, IT expert, Illinois, USA
27. Sri. Sanjay, Assistant Professor, NIT Calicut
28. Sri. ACK Raja, Artist of international repute
29. Sri. A Sujanapal, Former Kerala State Minister of Forest
30. Sri. T. Shobheendran, Environment Activist, former Professor, Department of Economics, Zamorin's Guruvayurappan College, recipient of Vrikshamitra Award

## 5.2 Student Progression

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

Student progression	%
UG to P G	29
PG to M.Phil.	5
PG to Ph.D.	15
Employed	
-Campus selection	10
-Other than campus recruitment	29

UG to PG progression rate is high among the students of the college. A considerable number also pursue B.Ed. and other professional courses. More than half of the students graduating from various courses each year seek employment.

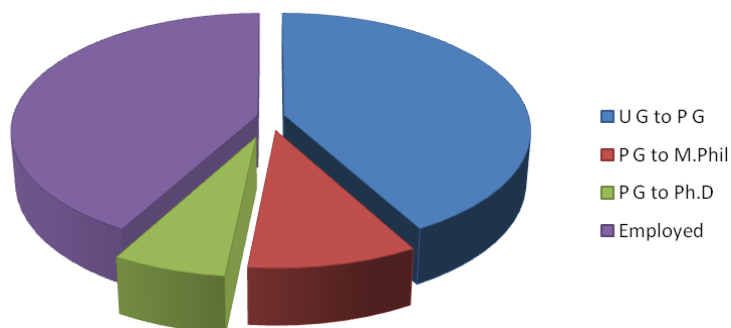


Figure 5: Student Progression

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.

Title of the Programme	2015-16		2016-17	
	Total no - of students appeared	Pass %	Total no of students appeared	Pass %
<b>UG</b>				
Economics	43	79.10	45	71.10
English	-	-	-	-
History	43	81	33	70
Socio/Mal	37	100	47	40
Hindi/History	31	68	23	83
Mathematics	40	67.50	43	58.10
Physics	38	95	44	50
Chemistry	44	82	45	71
Botany	30	100	27	70.4
Zoology	29	86.20	29	82.80
Commerce	45	80	58	65
BBA	23	56.50	28	50
<b>PG</b>				
Economics	20	100	Result Awaited	
Sociology	20	95		
English	34	85		
Malayalam	13	100		
Botany	13	100		
Chemistry	12	100		
Health & Yoga	11	91		
Commerce	11	91		

Mathematics	20	89	
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The institution tracks the progress in academic affairs by conducting meetings of the heads of the departments and tutors to discuss the progress of the students.

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

ZCIR, the centre for inter-disciplinary research promotes research acumen among students through various programs

Both PG and UG students of all disciplines have to undertake project work as part of their programs, and care is taken to help them choose topics that would help them in future research.

Coaching for UGC NET/CSIR tests are conducted by concerned departments to help students clear the examinations. Notifications for admissions to centres of higher learning published online and in newspapers are communicated to the students and are displayed on the respective notice-boards by the departments.

Students are encouraged to participate in inter-collegiate paper presentation contests.

The students are encouraged to pursue higher education by providing scholarships. They are:

- FOUNDER'S MEDAL for the student who distinguishes himself/herself by outstanding performance in one of the degree examinations Arts, Science & Commerce. (Donors: Members of Zamorin's Swaroopam).
- P.K.S.RAJA MEMORIAL ENDOWMENT SCHOLARSHIP to the best girl student who has joined the Ist M.Sc. Physics course after completing B.Sc. Physics from the Zamorin's Guruvayurappan College, She would be the recipient of the same next year provided she continues the course
- SCIENCE SCHOLARSHIPS for the best students in all 5 Science Batches (Botany, Zoology, Chemistry, Physics, Mathematics) who secures highest score in University Examination
- The UAE Chapter of the alumni association has instituted scholarships with Rs 120000/- for 12 talented yet needy students.

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

The college considers the student drop out issue as very serious. The Tutorial system is very effective and whenever such a tendency is noticed, adequate measures are taken. In case of economic reasons, financial support is provided

and in case of deserving students, various scholarships instituted by the alumni are made available to these students.

In some cases, female students are married off at an early age due to social pressure and in such instances, tutors give counselling to parents and guardians. These students are encouraged to continue their education even in the event of marriage.

Regular PTA meetings are conducted and the communication channels between the teachers and parents are always open.

The PTA provides noon meals to about hundred students each year. The beneficiaries are the students from economically and socially backward sections of the society. The intention is to prevent dropouts.

Student Counselling Centre provides support to students who have problems adjusting to the new environment

Proper support is given to slow learners through remedial programs and Scholar Support programs.

### 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.

The college believes that the curricular aspects of education alone will not be sufficient for the overall development of students. As such, plenty of encouragement is given to co-curricular and extra-curricular aspects.

Given below is the table containing details of student participation in NCC, NSS, Sports and cultural events

Participation of Students in NSS

sl	Level	2015-16	2016-17
1	University level	100	110
2	State level	-	-
3	National level	01	03
4	International level	-	-

Participation of Students in NCC

Sl	Level	2015-16	2016-17
1	University level	160	160
2	State level	08	15
3	National level	17	18
4	International level	-	-

## No. of Awards won by NSS

Sl	Level	2015-16	2016-17
1	University level	-	02
2	State level	-	-
3	National level	-	-
4	International level	-	-

## No. of Awards won by NCC

Sl	Level	2015-16	2016-17
1	University level	01	-
2	State level	-	-
3	National level	01	01
4	International level	-	-

## Participation of Students in sports, Games and other events

Year	State/ University level	National level	International level
2015-2016	180	11	01
2016-2017	58	25	02

## Participation of Students in cultural events

Year	State/ University level	National level	International level
2015-2016	165	-	-
2016-2017	145	-	-

## No of medals/awards won by students in Sports, Games and Other events

SPORTS	State/ University level	National level	International level
2015-2016	105	08	01
2016-2017	68	04	-

CULTURAL	State/ University level	National level	International level
2015-2016	90	-	-
2016-2017	85	-	-

Program calendar for the last two years:

Year	Activity	Date
2015-16	College reopening	June 1
	All Staff meeting	
	Commencement of III Sem UG classes	June 3
	Environment Day Celebration	June 5
	Commencement of V Sem UG classes	June 8
	CCSS Monitoring Meeting	June 15
	International Yoga day	June 21
	Orientation Class regarding new attendance software	June 22
	Open Forum for students	July 8
	Official commencement of I sem UG Classes	July 27
	Orientation program for I year students	August 5
	Independence Day Celebrations	August 15
	Onam Celebration	August 20
	Reopened after Onam holidays	September 1
	College Union Election	September 17
	National Science Seminar	October 8 & 9
	Centralised Internal Exam	October 26 to 31
	Union Inauguration	November 12
	Christmas Holidays	December 19 to 27
	Fine Arts Inauguration	January 12
	Science Day Celebrations	February 27
	Sports Day	March 4
	International Women's Day Celebration	March 8
	College Day Celebration	March 18
	Centralised Internal Exams	March 22 to 30
	2016-17	College Reopen
Environment Day Celebration		June 5
Yoga Seminar		June 16
International Yoga Day		June 21
Commencement of I Sem UG classes		July 25
Orientation program for I year students		July 26
Independence Day Celebrations		August 15
Onam Celebration		September 9
College Union Election		October 20
Union Inauguration		November 9
Christmas Celebration		December 23
Fine Arts Inauguration		January 12-13
Republic Day		January 26
Sports Day		February 16
International Women's Day		March 8
College Day Celebration		March 14
Centralised Internal Exams		March 20 to 24

**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.**

2015-2016					
NATIONAL					
Sl. No	Name	Event	Medal		
			Gold	Silver	Bronze
1	Arjun, K.	Chess	1	-	-
2	Reshmi, V.R	Kho Kho	1	-	-
3	Arjun, K. S.	Power Lifting	1	-	-
4	Vijin Krishna, V. T.	Power Lifting Yoga	1	-	-
5	Divya, N. P.	Power Lifting Yoga	1	-	-
6	Soorya, K.	Weight Lifting Yoga	1	-	-
7	Bhavya, N. P.	Power Lifting Yoga	1	-	-
8	Jiji Peter	Yoga	-	-	1
9	Sruthi, C.	Yoga	-	-	1

Achievements of the College in 2014 B zone were as follows:

Sl.No	Name	Awards
1	Deepak, K.	First Prize in Intercollegiate Media Quiz conducted by Journalism Department, University of Calicut.
2		Second Prize, Intercollegiate Quiz Farook College
3		Third Prize, Science Quiz , Arts College
4	Sreelakshmi, U.	First prize in the Power Point Presentation competition, St Josephs College Devagri and MCC Calicut
5	Sreelakshmi, U. & Anjali, G.	Second Prize in Literary Quiz Competition, Unity Womens College
6	Harsha.	Second prize for PG Dissertation, Unity Womens College
7	Arya, S. Kumar and Vivek, V.N.	Third prize inter collegiate Quiz Phoenix 2017 ,St Josephs College Devagri
8	Anju Balakrishnan	Second prize in Science, Quiz, Ferook College, Calicut
		Second Prize in Republic Day Quiz

**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?**

Feedback is collected from the outgoing students. Interaction meetings of the Alumni are also held. Feedbacks from the employers were not obtained. Efforts to collect such details from the employers will be initiated.

**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.**

Departments encourage students to publish manuscripts and every year College Union publishes a magazine.

Format	Department	Name	Year
Newsletter	English	Jaladhi	2015
Magazine	Mathematics	To the infinity and Beyond	2016-17
News Letter	Sociology	Vaakya	2016

Magazine	Students Union	Laughing Buddha	2016
Wall Paper	Botany	Guru Folia	2017
Wall Paper	Botany	Plant Power	2017
Magazine	Sociology	Theatre of Dreams	2016

Harsha an MA English student is a member of the editorial board of the e- journal published by Unity Women's College.

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

Yes. Student participation in the activities of the college is enhanced by the formation of the College Students Union comprising of elected representatives of the students. The election of the office bearers of the union is conducted on democratic norms observing University rules. The term of a college union is one academic year.

The Student Union has the following posts:

- Chairman
- Vice Chairman
- General Secretary
- Joint Secretary
- Secretary, Fine Arts.
- Student Editor
- University Union Councillors(2 posts)
- General Captain
- Secretary- Associations
- Representatives- Degree and PG

The Student Union actively involves in curricular and co-curricular activities of the college. Some broad areas of such involvements are the following:

- Conduct of Fine Arts day and College Day
- Conduct of Sports Day
- Conduct of seminars, exhibitions and study tour.
- Maintenance of discipline in the campus
- Active participation in student welfare activities
- Publication of college magazine
- Conduct of Film Festivals

The expenses in connection with Students Union activities are met from Student Union Fund, PTA, Management and the sponsors.

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

We have student representation in the following bodies:

- Governing body of the college
- Planning Board
- Grievance Redressal Cell

- IQAC
- Library Committee

Student Union Chairman is the voting member of all the institute bodies mentioned above. Chairman acts as a bridge between the college administration and the students, representing student needs and demands in these bodies and communicating their decisions back to the general student Body through Open Forums.

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

- The college has a very active and vibrant old students association.
- They offer financial assistance to the economically deprived meritorious students.
- ZGC-UAE chapter gives eighteen scholarships for meritorious students in UG and PG each year.
- A special award of Rs 10,000/- is given annually to the Best Outgoing Student. Prof. P.M. Shiyali Koya Scholarship for the best student of III year B.A. Malayalam/Sociology & II year M.A. Sociology securing highest marks in the University examinations (Donors: old students & teaching staff of the Department of Sociology of the college in honour of Prof. P.M. Shiyali Koya, former head of the Department of Sociology)
- Cash awards are given to the best NCC cadets.
- Frequent get-togethers are organised within and outside the campus involving the former as well as the present faculty of the college.
- A Charitable organisation by the old students, *Bodhi*, has been very active in the recent years. They provide financial, psychological and physical support to the needy, including the former students of the college.
- Various online communities have come up in the recent times on the social media sites. This has aided in providing a database of the alumni of the college.
- The president of the Old Students Association is a member of the special committee of IQAC.
- Four of the former faculty are members of the expert committee that acts as a advisory body for the IQAC

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

## CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 Institutional Vision and Leadership

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

#### **Vision:**

The vision of this college is to help the students achieve academic excellence and play the role of socially responsible individuals by including social values. All the efforts are directed towards the achievement of this vision.

#### **Mission:**

The central mission is to provide sufficient nourishment to an individual through the right combination of environmental settings and quality service in order to rise towards excellence which calls for individual efforts.

#### **Objectives:**

- To equip the students with the ability to earn their livelihood.
- To develop a sense of social responsibility among students
- To develop social skills and inculcate values like co-operation, team spirit, discipline, fair play and so on through extracurricular activities.
- To transmit social heritage through various organizational units.
- To create a conducive environment in promoting individual qualities such as personal initiatives, accurate thinking, positive attitude, determination, the tenacity to achieve goals and the overall personality development of the student.
- To educate the students to respect and earn respect.
- To ensure equity in access to education.

The interpretation of the shloka "Uddhareth athman athmanam..." (a quote from the Bhagavat Gita) which is part of the College emblem, has been accepted as the mission statement of the institute. It means, the individual should help himself to rise above the petty concerns of life. The vision, mission, and objectives are in tune with the Indian tradition that asserts that the individual is capable enough to enrich and enlighten the self.

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

The Management is supported by the Governing body which includes members of the Zamorin family and representatives of the University, Kerala

Government, teachers, non-teaching staff, and students. The Principal is also part of the Governing Body, mediating between the College and Management. The role of governing body has been motivational and supportive. The Principal also participates in the meetings held by the Dy. Director, Collegiate Education, Kozhikode, Higher Education Secretary, and the College Development Council of the University. The policies are imparted to the faculty, non-teaching staff and the students through the College Council. Different official bodies, like the IQAC, UGC Cell, Planning Board, ZCIR, CUCBCSS, Discipline Committee, SC/ST Cell etc. function for the smooth implementation of the policies.

#### **GOVERNING BODY OF THE COLLEGE**

The Institution has a very supportive and dynamic management which strives to promote quality in all aspects of the institution's activities. The management takes keen interest in expanding the range of academic services for the institution. It motivates the staff and students to enhance their output in all fields through financial support and enthusiastic involvement. The Principal of the college assumes a leadership role in enriching the institution's activities. Decisions are made through the college council comprising of The Principal, Heads of the Departments and elected faculty and whenever necessary communicated to the governing body. The perspective plan of the institution prepared by the Planning Board with the support of the IQAC is scrutinised and passed by the Governing Body. The attendance monitoring system, performance monitoring system and finance monitoring system ensures the efficacy of the range of activities through various committees. The PTA is another body which intervenes constructively to promote the quality initiatives of the institution.

**Educational Agency**



**H. H. The Zamorin Raja of Calicut**

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**Members:**

1. Sri. K. C. Manavedan Raja
2. Sri. P. K. Rajagopalan
3. Smt. P. C. Thankamani Thampatty
4. Dr.P.C.Rethi Thampatty
5. Adv. M. Asokan
6. Sri. T. M. Balakrishnan Eradi
7. Dr. T. Ramachandran (Principal)
8. Sri. Devakumar, K.V. (Teacher Representative)
9. Sri. C. Sasidharan (Senior Superintendent, ZG College)
10. The Deputy Director of Collegiate Education
11. University Representative
12. The Chairman (The Student representative)

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

- **The policy statements and action plans for fulfilment of the stated mission**

The college council meets periodically to discuss academic matters, policy making, deciding plan of action, along with the time frame for execution.

Several other committees are also constituted for effective execution of the policy framed. Hostel committee, Library Committee, Time table Committee, Discipline Committee, Internal Academic Audit Committee and CUCBCSS Monitoring Cell of the college provide a participative work environment for its faculty and inclusive quality education for personal growth of students.

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

The process of teaching and evaluation is regulated by the action plan taken in the beginning of the academic year. A college calendar and action plan is evolved and distributed in the college. Inter-departmental meetings are held on a regular basis to review program of syllabus and for planning the academic, non academic activities of the department.

- **Interaction with stakeholders**

The stake holders are consulted on various levels in several capacities for broader decision making. Interaction with students through student representative bodies, orientation programs regarding academic programs and courses; Faculty through staff meetings; Parents through PTA (General as well as departmental) meetings, all of which becomes instrumental in the formulation of future plan actions.

Alumni are consulted through OSA and representatives of local bodies. Such interactions contribute to further the interest of the college. The college understands the important role it plays and responsibility it owes to the society. The college maintains an updated website giving information about its activities. Public Information Officer addresses all queries made through RTI.

- **Reinforcing the culture of excellence**

Each department strives towards excellence in the areas of academic and co curricular activities so that the institution reaches higher levels of endeavour and achievement. The college is open to new developments in technologies and methods. Students are provided opportunities for excelling in their performances. The staffs are also encouraged to excel in a variety of ways. Efforts are made to throw open professional development opportunities and position of responsibility for sustained growth of the institution.

- **Champion organizational change**

The college management plays a crucial role in championing organisational changes to bring in a progressive outlook.

**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?**

Regular meetings of the College Council, Planning Board, and the IQAC are conducted to discuss and plan the implementation of policies. The other official bodies also meet regularly to design the conduct of exams, evaluations, cultural programs, sports, etc.

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

The management is always a source of inspiration and encouragement to the faculty. The management encourages teachers to enhance their quality through programs like FDP and Orientation course. They also encourage the teachers to take lead roles in the various committees constituted for the overall smooth functioning of the institution.

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

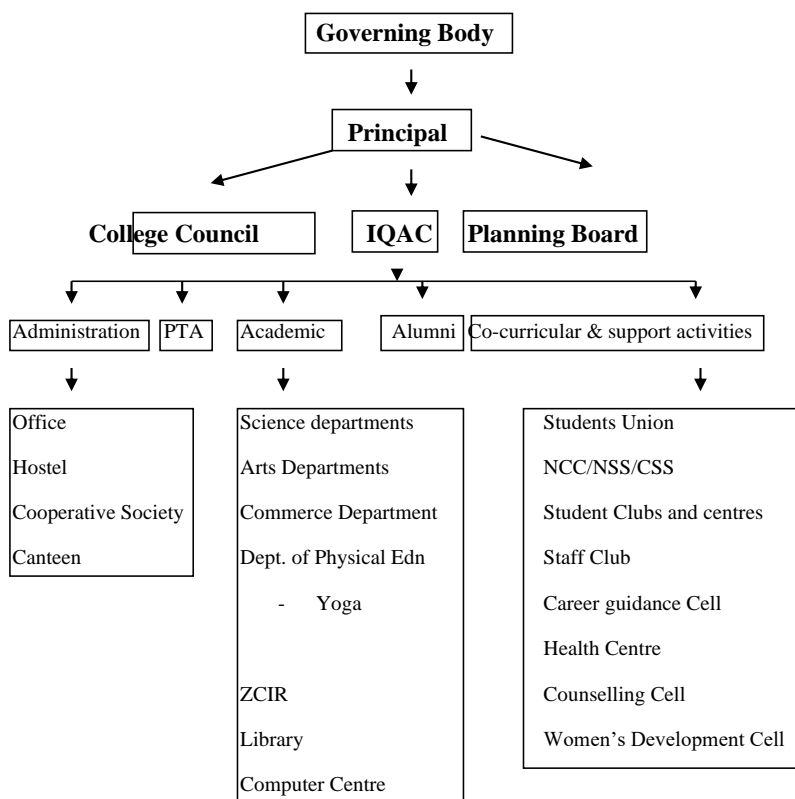
The College Union comes into existence through an election process which is similar to that of presidential election. The elected members take up various responsibilities as Chairman, Secretary, Fine Arts Secretary, UUC, General Captain, Magazine Editor, etc. These positions help students in various capacities to express their leadership skills and learn how to become good citizens of the future. They are accountable to the General Student Body.

The teachers take up administrative responsibilities of Deputy Warden of Hostels, NSS Program Officer, NCC Officer, as Conveners of Clubs, etc. which provides them with an opportunity to guide students, support them in their activities and academics, and in turn become inspiring role models to the student community.

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

The governance system is decentralized and sharing of administrative responsibilities is integral to the operational method of the functioning of the college. The Principal facilitates the execution of rules, regulations, directives, and guidelines of the University as well as the policy decision of the governing body. The faculty members of the departments are empowered to take the lead role in formulating policies and organising teaching-learning and extracurricular activities within the prescribed curriculum. The various department association programs and activities of the students units, NCC, NSS, Clubs and Cells invariably create a conducive learning opportunity and

development for the student community. The faculty convenors of the different clubs and committees are provided with autonomy to deliver effectively the duty entrusted to them. The PTA and the college office provide the necessary financial and administrative support for implementation of policies. The Hostel committee assisted by the hostel staff handles the intake and requirements of resident students. The librarian in consultation with the library committee provides the requisite resources to the students. The ZCIR fosters inter disciplinary and multi disciplinary studies for both the academic and the student community. The college computer centre caters to the ICT learning and dissemination. The IQAC plays a crucial role in monitoring and guiding quality assurance and enhancement activities in the college. Long term developmental plans for the institution are evolved and implemented by the planning board. The high degree of delegation of authority provides the necessary operational autonomy and helps in ensuring the decentralised governing system in the college.



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

The culture of participative management has been adopted in the college ensuring representation of all stakeholders and is found to be extremely effective. The Principal is an ex-officio member of the governing body. Representation of the teaching and non teaching staff and the students' union chairman in the college governing body ensures participation and their influence in several administrative decisions. As convenors and co coordinators of various clubs and committees, members of the faculty are provided with ample opportunities to make decisions in connection with the responsibility delegated to them. The heads of the departments effectively manage the administrative and academic responsibilities entrusted to them including fund utilisation. The elected students' representatives, under the faculty advisors, has leverage in the functioning and budgeting of activities such as organising talks, debates on relevant issues, talent hunts through arts fests, and the other programs. The parents also play a constructive role in providing valuable suggestions for the development of the college through the activities of the PTA. The administrative staff of the college facilitates processing of files and administrative support.

## **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 has a formally stated quality policy.

The IQAC conducts regular meetings with the heads of the departments. Principal and Management chalk out policies at the commencement of each academic year. The IQAC co-coordinator regularly meets the coordinators of different clubs and helps them to plan their activities. Regular PTA meeting are also conducted and creative suggestions are taken from the parents. The Planning Board which consists of all heads of departments also prepare plans for the overall development of the college and allocate funds as per requirement. The proposals of Planning Board are implemented by the college council. At the beginning of each academic year the principal conducts meeting with the college council and discusses the requirement of each department. The management also provides financial aid for the overall quality enhancement of the institution.

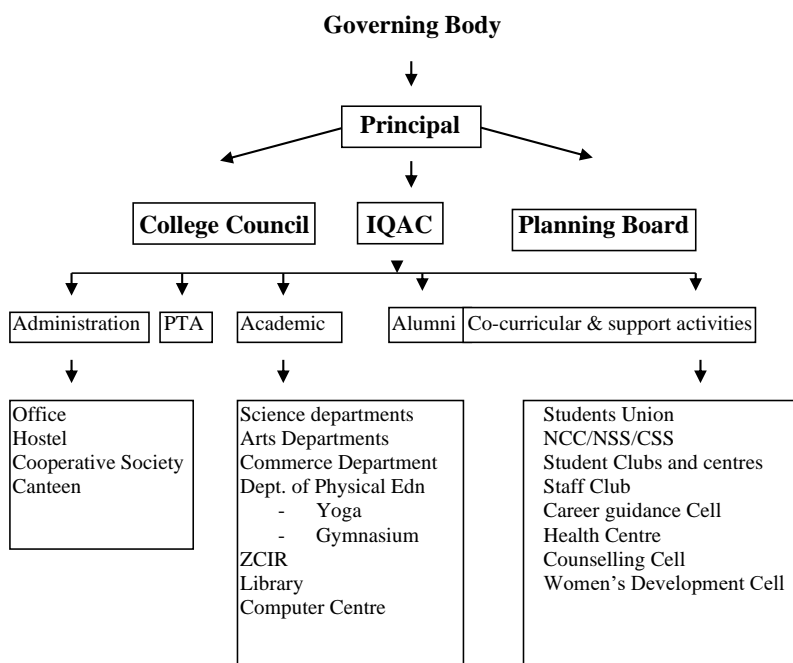
### **6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

The institution has definite plans for its overall development.

- The college has applied for a heritage museum and a library complex to the UGC and is waiting for favourable response.
- More facilities for disabled like ramps, special toilets etc.
- Career oriented programs to support SC, ST students
- Solar panels for providing lighting facilities in the campus
- Water recharging unit
- Self-sufficient ladies centre with increased toilet facilities

- Coffee counter with vending machines
- Upgradation of more PG departments into Research departments
- Facilities for language departments and Social sciences inside the research centre
- New comfort station which could be used by both students and visitors to the institution
- Renovation of canteen
- Converting existing consultancies into revenue generating model
- Interdisciplinary national and international seminars
- Replacing the existing furniture in the PG block
- Newsletter by IQAC
- Converting all PG classrooms into smart class rooms
- Levelling of uneven terrain in the campus to make it more disabled friendly
- Multi- purpose hall in the campus to support conduct of university examination
- Earmarking of a space in the front campus for student activities

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



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

- **Teaching & Learning**
- **Research & Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

**Teaching and Learning**

Special efforts are made to cater to diverse needs by identifying the different requirements of the students and addressing them through inclusive practices. Advanced learners are provided with challenging learning experiences. They also help the slow learners. The institution prepares an academic calendar. The college makes use of interactive teaching methods, assignments, projects, seminars, Walk with a Scholar, Scholar Support Programme, and lecture by experts, workshops, and remedial measures to support and enhance the teaching learning process. Teaching plans, interactive sessions, continuous evaluation through various methods, timely conduct of examinations and feedback from students through tutorial, mentoring and PTA sessions are part of our quality ensuring initiatives. The institution has a very efficient and mentoring tutorial system which takes care of the academic and personal needs of the students. The institution also trains the students to utilise the existing resources of the college. Students are encouraged to extract information from web resources and journals. Sessions with experts from outside also provide students with the opportunity to stimulate interest in new areas of their subjects. The various clubs and centres provide multifarious learning opportunities outside the syllabus. The management is keen to recruit meritorious teachers and grants leave for research oriented FDP and training programs. Five of our nine PG departments have been upgraded as research centres.

**Research & Development**

The Research Organisation (ZCIR) promotes research activities and has published 3 volumes of the journal "ACTA ZAMORINI". It also helps the faculty in resource generation and literature review. The Research centre is constructed exclusively for the purpose of research. All the research departments have been allotted rooms in the Research Centre. Sixteen of the faculty are Board of Studies members. Dr. N.E. Rajeevan has done considerable research in collaboration with UGC-DAE consortium for scientific studies, at BARC, Mumbai. Faculty of the Department of Botany work in collaboration with the Malabar Botanical garden and Institute for Plant Sciences, KSCSTE, MNHS and CRIKSC.

**Community Engagement**

- The institution hosted a four day enrichment program for gifted high school students from schools within the Calicut district. The programme was organised by Department of general education,

government of Kerala. Some of the faculty of the institution engaged sessions and the infrastructure of the institution was put to optimum usage.

- The Faculty and the students of the institution in association with the Kinassery Vocational Higher Secondary School support group participated in a language and learning skills development camp designed by the District Collector. The program was aptly titled “Sharing the Knowledge”
- The institution was selected as one of the organising institutions of Swasray Bharat 2015 Expo of the Swadeshi Science movement. The institution organised satellite seminar entitled “New Horizon in Indian science and technology on various scientific themes. The program was aimed at disseminating information on the latest scientific developments and provide a platform of senior school students to interact with scientists and resource persons from across the country.
- A chapter of Yes India, a voluntary organisation that works for the educational and career upliftment of marginalised groups, has started functioning in the campus. Some of our students have been working in the coastal areas of the district by participating in a project called “*Aksharasamudram*”- a programme to support school dropouts.
- The NSS, NCC and Pain and Palliative Care unit undertake several community oriented programs.

### **Human Resource management**

The College provides training programs for teaching and non teaching staff. The Staff Club of the college promotes recreation facilities for teachers during off hours in the campus. The annual get-together and special occasion gathering offer a platform for the staff members to interact, relax and exhibit their in-born creative talents. The principal of the college acts as the President of the staff club. Staff members elect the secretary, joint secretary and executive members every year at the annual general meeting. Activities of the club includes arranging picnics with family members, annual sports events, promote cultural activities of students in the campus, farewell parties to retiring staff members.

### **Industry Interaction**

The institution encourages the students to visit industries and conduct lectures by industry leaders to make opportunities for better placement. ED Club members participated in the MSME Exhibition organised by the Department of Industries and Commerce, Government of Kerala. The department of Zoology conducts industrial visit and field trip to apiculture farm to make students aware of bee keeping, honey extraction and processing.

**6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?**

The head of the institution collects feedback from various departments through IQAC and reports the same to the Management. Feedback is collected from parents through PTA meetings and the relevant information is shared with the top management. All relevant information is uploaded in the website at regular intervals.

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

The College management has given top most priority to the quality of its academic service. The management gives freedom to the principal to distribute the various functional parts to the faculty and other staff. Key positions are handled by the senior teachers, who in turn organise, guide and executes the policies of the management through various organisations like IQAC, ZCIR etc. This democratic system creates a positive rapport between the management and staff and thereby increases the effectiveness and efficiency of the institutional process.

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

A major decision taken by the Management council was to complete the construction work of the Ladies hostel partly funded by the UGC. More number of security staffs were appointed to ensure more discipline and security in the campus and to a certain extent it has been achieved. The major achievements are listed below:

- Providing drinking water facilities to cater to the needs of PG Block
- Repair and maintenance of college cafeteria and hostels
- Coffee counter with vending machines
- Levelling uneven terrain in the campus to make it more disabled friendly.
- Earmarking of a space in the front campus for student activities
- Water recharging unit
- New comfort station which could be used by both students as well as visitors to the institution

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

Yes, the affiliated University, University of Calicut makes a provision for according the status of autonomy to affiliated institutions.

The institution encourages the academic and research activities of the students as well as teachers to rise towards excellence. The college strives to get NAAC accreditation with a higher grade. The higher score in the NAAC accreditation is the first step for applying or considering for the autonomous status. The institution is in the process of getting the maximum score in the accreditation. Once qualified, the institution shall move to the next higher level for obtaining autonomous status.

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

The institution has a mechanism to ensure that the grievances / complaints of both staff and students are resolved effectively. The Grievance Redressal Cell attends to complaints from both staff as well as students. The Grievance Redressal Cell, constituted at the department level, solves most of the issues and only the complaints of more serious nature are taken up at the central cell. All the problems are discussed in the college council and the council constitutes a special committee which is empowered to conduct an enquiry for each case. After completing the enquiry, the special committee prepares a report incorporating the findings and submits the same to the Principal. The college council, after due deliberations, recommends suitable action. Serious issues are reported to the management. PTA meetings are conducted by the departments and IQAC to address the complaints of the students and try to resolve it with the help of the Principal and Management. The Sexual Harassment Redressal Cell has been constituted to receive complaints of sexual harassment.

**6.2.10 during the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

There are no court cases filed by or against the college. There is a case pending final disposal in front of Supreme Court regarding the expulsion of an employee on disciplinary grounds.

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

Yes, the institution has a mechanism for analysing student feedback on institutional performance. Regular tutorial and PTA meetings are conducted by the departments and IQAC. Institutional feedback is collected from outgoing students. The findings are consolidated by IQAC and directly reported to the Principal.

**6.3 Faculty Empowerment Strategies**

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

The college provides training programs for teaching and non teaching staff. The college Management has given topmost priority to the quality of its academic service. The Management and Principal encourage the teachers to avail FDP for securing higher degree and to attend Refresher and Orientation Programmes. IQAC has also provided training to the faculty. The IQAC has also conducted institution level seminars for teachers, non-teaching and administrative staff and students.

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

The Management is keen on motivating and empowering the faculty through various training programs. ICT training is provided to the faculty by the IT centre of the college on need basis. When the centralised attendance system was introduced special training sessions were conducted. The members of the staff are encouraged to participate in seminars and workshops outside the college. The management encourages participation of faculty members to avail FDP for securing higher degree and to attend Refresher and Orientation Programs. Key positions are given to the senior teachers, who in turn organise, guide and execute the policies of the management through various organisations like IQAC, ZCIR etc. Regular CUCBCSS meetings are also conducted.

Inter-departmental knowledge sharing occurs through talks conducted frequently across disciplines where there is an overlap in syllabi. Effective knowledge sharing occurs also through informal interaction. Seminars and workshops (Inter-disciplinary and multi-disciplinary) supplement knowledge production and dissemination. Infrastructural facility (Seminar hall, LCD, Projectors) necessary for the conduct of the seminars/workshops are provided to the departments.

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

The self assessment proforma and supporting documents are compiled for API scores. The PBAS for promotion prepared by the University of Calicut evaluates faculty on the basis of workload, use of participatory and innovative teaching learning methodologies, updating of subject content, participation in co-curricular, extension, professional development related activities, publication and academic contributions, research projects, research guidance and consultancies.

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

The IQAC and college council reviews the performance appraisal reports and reports to the management. On this basis the management takes measures to rectify the problems found. The major decisions are as follows:

- To start collaboration with more institutions
- To diversify the extension activities by involving community service
- To sign more MoUs with institutes
- To start consultancy services which would generate income for the institution
- To start new courses like MSc Zoology, MSc Physics, MA History.

These decisions are communicated to the stakeholders through meetings conducted at various levels.

**6.3.5 What are the welfare schemes available for teaching and nonteaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

All the staff have insurance coverage (SLI, GIS). The staff co operative society provides liberal financial assistance at concessional rates. During festival seasons the society collaborates with other establishments to provide consumer goods on hire- purchase scheme. Along with this financial help is provided by way of loan. It also provides stationary items to the students and staff. The extension counter of Punjab National Bank functioning in the campus facilitates financial services to the staff and students.

The college cafeteria provides food on concessional basis. Almost 100% of the staff avail the benefit of such schemes.

In addition to all this, as government servants, the members of the staff can avail refundable and non refundable advances from the Provident Fund.

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

The institution provides a work culture that is conducive to the retention of the faculty. The management encourages research activities in the campus. The management encourages the participation of faculty members in refresher courses and training programmes and also to avail Faculty Development Program for research. Training sessions are conducted to update the knowledge level. Upgrading PG Departments into research centres aid in retaining eminent faculty.

**6.4 Financial Management and Resource Mobilization**

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

The UGC Cell acts as mediator to gain more funds for the institution from various sources. The Cell also ensures the timely utilization of the funds obtained. It is the responsibility of the UGC Cell to see that the utilization certificate is sent properly to the funding authorities. The Planning Board and

the UGC Cell allocate funds to various departments as per requirement. The Heads of Departments have the responsibility of utilizing the funds for the purpose mentioned and for submitting the certificate of utilization. The various Clubs and Cells are provided with funds for smooth conduct of their programs. They are also responsible for submission of audited account statements at the end of each year.

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

The income and expenditure incurred by the management and PTA is subject to internal audit procedure. The process of audit is done by qualified Chartered Accountants. Academic audit is done internally by the Internal Academic Audit Committee. External audit is conducted by the audit wing of The Deputy Director, Collegiate Education, Calicut and Govt of Kerala under whose jurisdiction the college is functioning. Apart from this the Central Audit Department, Government of India also audits the college accounts periodically.

Some of the major audit objections were:

1. Non-completion of minor research projects funded by UGC
2. Lapses in Internal control mechanism

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

The institution receives grants in the following forms:

- Grants for the disbursement of salary to teaching and non teaching staff
- Grants from UGC various minor and major projects
- Grants from the govt for the disbursement of stipend / scholarship to SC/ST/OBC categories students.
- Fund from management, PTA, and Old Students' Association.

The deficit in the budget is usually met by the Management of the college. The PTA and Alumni association also contributed towards meeting the deficit. The Management and PTA, for example had graciously contributed for the improvement of ICT facilities of the college. The salary of the guest faculty is also met by the funds from Management and PTA.

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

The faculty members are promoted to apply for Minor and Major Projects aided by UGC. College also channelizes the resources of PTA and Alumni and strive to get a higher grade from NAAC so as to bring more funds. Some clubs of the college such as Bhoomithrasena club have receives fund from the Government institutions. These funds are utilised to conduct seminars and workshops in the college. The department of economics received funds from organisations like LIC. The funds are utilised to conduct seminars for the benefit of the students.

**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?**
  - b. **How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?**
  - c. **Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**
  - d. **How do students and alumni contribute to the effective functioning of the IQAC?**
  - e. **How does the IQAC communicate and engage staff from different constituents of the institution?**
- a) The institution established Internal Quality Assurance Cell (IQAC) in the year 2004. From there onwards the steering committee was keen on encouraging professionalism and technology based documentation of the institution's activities and achievements. The IQAC supervises the activities of the institution. Some of the innovations introduced during the past two years are mentoring system, Bridge Course, installation of solar lights, water recharging system, teacher work diary and class dairy. The IQAC has also been instrumental in designing collecting and consolidating feedbacks from stakeholders. A survey on hygiene was also conducted by the IQAC.
  - b) The IQAC conducts regular meetings with the Heads of Departments. The decisions are communicated to the management. The IQAC conducted 33 meetings with stakeholders and the decisions were submitted in print format to the Management. The Management always graciously favours the institution in all its positive ventures. The Research Block is a monument of the greatness of the Management.

Almost all the suggestions made by IQAC receive patient listening and implementation. All the plans made by IQAC regarding infrastructural changes within the institution were approved by the management.

- c) The IQAC has external members in its Committee. All the external members are either members of the supportive alumni or experienced retired staff members. Their good will and support is an inspiration for the institution. They actively participate in the meetings and offer suggestions.
- d) The students cooperate in the smooth functioning of the college. They are aware of the need to enhance the quality of the institution through their progress. The Alumni supports the IQAC through their valuable suggestions and external networking.
- e) The IQAC conducts formal and informal meetings with different constituents of the institution, receives the grievances and reports to the Principal and Management for redressal. Welfare programs and orientation classes are provided.

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

There is an integrated framework for Quality Assurance which begins at the tutorial level. The tutorial proceedings are evaluated by the departments and presented to the IQAC and the college council. The college council and the IQAC monitor the quality enhancement activities of the college through timely interaction with the other functional bodies.

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

IQAC had played a key role in providing training on various aspects of academic and administrative matters. It had arranged training sessions to the faculty and non-teaching staff members. It has provided proper guidance on a one to one basis to solve issues related to the Research Projects.

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

The internal academic audit is done by Internal Academic Audit Committee which suggests remedial measures to improve the quality of the institutional outcome.

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

The IQAC insists that the quality of the institution is to be maintained according to the requirement of the UGC .The Principal and Management makes plan according to the rules and regulations of the UGC, the University and the State government. The requirements are met through proper functioning of the institution and reported to RUSA, an organisation of higher education, Kerala state, NAAC, UGC and AISHE of Ministry of Human Resource Development, Govt of India and CDC, University of Calicut. The suggestions are followed for the betterment of the college.

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

The IQAC led by the Principal is one body that reviews teaching learning process. The composition of IQAC is as follows

Principal	1
Co-Ordinator	1
Faculty	4
Administrative / Technical Staff	3
Students	1
Alumni	6
Community Representative	3
External experts	4
Management Representative	2
Employer/ Industrialist	1
Total	26

The IQAC comprising of the teaching faculty, non teaching staff and the Principal functions as the executive committee.

The IQAC conducts regular meetings with staff and stakeholders. The record of the meeting is maintained properly. The suggestions and decisions are noted down. These are communicated to the authority concerned without fail. The college council with the Principal as head and the Heads of the Departments and elective faculty as members monitors and reviews the effectiveness of teaching learning process. The CUCBCSS committee also conducts reviews and reports to the Principal on time.

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

The institution communicates the quality assurance policies to stakeholders first through tutorial sessions. Then the department meetings are held to evaluate the outcome. It is communicated to the Principal who uploads the information in the college website. Reports are also sent to the Management and Governing body. Reports in prescribed format are submitted to the

College Development Council, University of Calicut, RUSA, Higher Education Department Kerala, NAAC of UGC and AISHE of the Human Resource Department of the Central Government.

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

## CRITERIA VII: INNOVATIONS AND BEST PRACTICES

### 7.1 Environment Consciousness

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

Yes, any developmental activity undertaken in the campus is ensured as sustainable. The college has prepared a biodiversity register detailing its species diversity. It has also conducted a census of trees of the campus and prepared a tree register. The unique location atop the laterite hill makes it biodiversity rich campus. The conservation value of the habitats of the campus is high as it holds some of the rare and endemic species. Its tree diversity ranges from the common and planted exotics to the red listed endemics. Care is taken for protecting such things in the campus. QR Coded name tags also were installed on trees to create awareness among the students, and general public. The Bhoomithrasena club organises various activities including eco-sensitising programs in the college. The campus promotes rain water harvesting and solid waste management. Two bio-gas plants have been installed near the canteen and the hostel respectively. The departments of Chemistry and Botany conduct periodic quality tests of water available on the campus.

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

- \* **Energy conservation**
- \* **Use of renewable energy**
- \* **Water harvesting**
- \* **Check dam construction**
- \* **Efforts for Carbon neutrality**
- \* **Plantation**
- \* **Hazardous waste management**
- \* **e-waste management**
- The Nature club and Bhoomithrasena club organise various activities including eco-sensitising programs.
- Plastic free campus.
- Saplings are planted each year
- A well kept medicinal garden is maintained in the campus
- Two of our open-air stages are in perfect harmony with the environment.

- Incinerators are installed near ladies toilets to ensure proper disposal of sanitary napkins.
- Two units of Bio-gas plant have been installed.
- The buildings are all environment friendly. Even the more recent constructions maintain the eco-friendly status.
- Only paper cups and plates are allowed on the campus. Garbage bins have been strategically placed to help in keeping the campus clean.
- World Environment Day is celebrated on June 5<sup>th</sup> every year by planting trees. Competitions, exhibitions and lecture sessions are held to sensitise students about the need for environmental conservation.

**Energy conservation:**

Thirteen units of Solar lamps have been installed in the campus.

**Use of renewable energy:**

Two units of bio-gas have been installed in the campus.

**Water harvesting:**

There are two water harvesting units in the college connected to the PG block and the Science block. A water recharging mechanism is also operational.

**Efforts for Carbon neutrality:**

The college has a large number of trees in its 92 acre campus and each year more and more saplings are planted. The vehicles of the students are not allowed inside the campus.

**Plantation**

The natural ambience of the college speaks volumes about the plantation processes of the past. There are a wide variety of trees in the campus which are recorded in the tree register. Planting trees is a major way of celebration in the college. World Environment Day is celebrated every year by planting saplings in the campus. The alumni association of the college offers support in maintaining the greenery of the campus.

**Hazardous waste management:**

The college is a plastic free zone and the use of plastics is minimal. Hazardous wastes from the laboratories are disposed effectively without creating environmental damage. Deep pits are dug to dispose neutralised chemical solutions from laboratories.

Flex boards are banned inside the campus and eco friendly Palm leaves and clothes are used as options. Banners made using palm leaves and cloth are

used instead of flex banners. Digital banners have also been made use of by some departments.

**E-waste management:**

Computers that needed repair were collected from the departments, reusable parts separated, and used in other computers. Remaining e-waste was sold through dealers and the amount thus received was utilized for the purpose of improving infrastructural facilities.

**7.2 Innovations**

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

Academic quality describes how well the learning opportunities available to students help them to achieve merit. It is about making sure that appropriate and effective teaching, support, assessment and learning opportunities are provided to help them face the challenges of a globalised world. The college holds up the vision that the education imparted to the student is never complete without instilling in them a sense of responsibility and empowerment. The mechanisms developed by the institution for quality improvement are the following:

- Career Guidance Cell to develop the soft skills of the students and help them get placements.
- A batch-wise general orientation programme was arranged by the IQAC touching upon the areas like general amenities in the college, students counselling and student support programs.
- Reading corners were formed in each department. Free newspapers were distributed and discussions were held.
- The outgoing PG students of the departments of Mathematics contribute books worth Rs 5000/- every year. This has helped the students, especially the students from the economically backward sections.
- The department of English has started an English forum that uses expertise of the faculty, students as well as external experts. Talks on topics which are beneficial to the students are held. Students are encouraged to write book reviews and this helps to improve their reading habits.
- The department of Economics conducts several seminars for the benefit of the students by using funds from external agencies.
- The students of the department of Sociology are encouraged to send e-assignments instead of submitting hard copies with the aim of maximising the use of ICT and the implementation of the “Green Protocol”.

Three departments (English, Malayalam, Chemistry) were upgraded to research departments taking the total number to five.

- The department of History has setup a museum in the college premises. The museum exhibits the personal belongings of The Zamorin family and artefacts from the Malabar region.
- The Department of Chemistry arranged chalk making sessions for students. The chalks made by the students were distributed to the various departments.
- The PG Department of Health & Yoga conducted a series of lectures “Satsang” on yoga awareness.
- The college ground was levelled out to create a cricket pitch by the KCA.
- Virtual Biology Lab- a new concept was introduced by the department of Zoology.
- Bryophyta Lab, first of its kind in Kerala was setup in the department of Botany.

### **7.3 Best Practices**

**7.3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.**

#### **BEST PRACTICE I**

1. Title Of the practice: Midday Meal Scheme

2. Goal:

The college endeavours to create equal opportunities for students coming from all sections of the society. There are many students coming from extremely backward social and economic areas and to support them and prevent them from dropping out, the midday meal scheme was introduced.

3. The context

The aim of the college is to work for social equality and create a campus where no student is deprived of the basic necessities of life. The college believes that no opportunity for betterment should be denied to the student just because he/she comes from a deprived family. The midday meal scheme was started in this context and has been continuing for more than ten years.

4. The Practice:

- Students from economically and socially backward groups are identified at the time of admission itself. The profile collected at the time of the interview gives an idea about the economic and the social status of the students.
- The tutors prepare a list of deserving students and this is approved by the head of the department
- The list is handed over to the PTA
- Midday meal coupons are handed over to the students through the tutors
- An arrangement is made with the canteen authorities where in the students can take the meal from the canteen premises without any payment from their side
- There is a strict monitoring system to see whether there is any misuse of coupons in the system

5. Evidence of success:

The scheme has been going on for more than ten years and has been responsible for the falling dropout rates. Earlier there were instances of students keeping away from the campus as they have to take up work along with their studies. Along with the midday meal scheme the students were sensitized about the importance of attendance and internal assessment. This has resulted in fewer students taking up work during the week days. About one hundred students benefit annually from this scheme

6. Problems encountered and resources required

The scheme has been a huge success and has not encountered any problems to till date. More students would benefit if the PTA allows more fund towards this scheme.

## **BEST PRACTICE II**

1. Title Of the practice: “Saahyam” Camp : A programme aimed at promotion of excellence among gifted children.

2. Goal:

The college endeavours to fulfil its institutional social responsibility through the optimum utilisation of its human resources and infrastructural facilities. The college was selected to host a four day a enrichment program for gifted children, a unique program initiated and conducted annually by the Department of General Education, Government of Kerala, focusing on the academic development of the secondary level students in the state. This program intends to give exposure to the aspiring students in different areas of knowledge and to help them identify their areas of interest and guide them in developing their potential. The participants included 53 students from the

educational districts of Vadakara, Thamarassery and Kozhikode Urban and Rural.

### 3. The context

The former principal Dr. M. Madhavikutty has been appointed as the District coordinator of this initiative from the academic year 2016 onwards.

### 4.The Practice

Smt. Arya Gopi, renowned poetess and Assistant Professor in the department of English conducted a poetry workshop for the students. Dr. Suneetha T.V. Assistant Professor in the department of Malayalam conducted a documentary film screening and interacted with the students. Dr. D.K. Babu, Head of the department of Chemistry spoke to the students about “Chemistry in Daily Life”. Prof. T. Shobheendran, former faculty and well-known environmentalist spoke on the topic “Nature-The Pulse of Life”. The College Librarian Sri. Subeesh, K. familiarised the students to the use of library and took the students to the library for an orientation. A Sky Watching session was arranged at the college ground. The students also visited the computer lab, the Zoology lab and the Botany lab. Yoga training was also given by a student of the MSc Health and Yoga Therapy.

### 5.Evidence of Success

The participants got the opportunity of interacting with and learning from eminent personalities in the areas of art, literature, poetry writing, drama making, creative theatre and documentary making. Some of the resource persons were faculty of this institution whose expertise could be effectively utilised in fulfilling the vision of creating socially responsible individuals. The right combination of environmental settings and quality education went a long way in instilling the right degree of inspirations in the young minds. The four day residential camp developed in the participants the social skills and inculcated values like team spirit, discipline, fair play etc. In the valedictory session the students spoke about the ways in which they benefitted from the Saahyam Camp.

### 6.Problems encountered and resources required:

No problems were encountered during the conduct of the program.

**Evaluative Report of the Departments****DEPARTMENT OF ENGLISH**

1. Name of the department : English
2. Year of Establishment : 1982
3. Names of Programmes /  
Courses offered : 1. UG, PG
4. 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
M.E.Sobha (Retd in 2016)	MA,MPhil	Associate Professor	Canadian Literature	29
Dr.Anitha Ramesh.K	MA,MPhil, Ph.D	Associate Professor	English Literature	28
Dr. Prabha.P.K	MA( English, & Linguistics), Ph.D (Canadian Literature),Ongoing Ph.D in Linguistics	Associate Professor	Canadian Literature	28
Dr.Rajani.B	MA, Ph.D	Associate Professor	Canadian Literature	19
Dr.Binu.P.S	MA,B.Ed, Ph.D	Associate Professor	Canadian Literature	19
Sheela Nair.M (Retd in 2017)	M A	Associate Professor	English Literature	18
K.Rekha	MA,B.Ed, MPhil	Assistant Professor	English Literature	09
P.C.Gangadevi	MA, B.Ed	Assistant Professor	English Literature	09
Arya Gopi	M A	Assistant Professor	English Literature	05
Prudha.S.Raja	M A	Assistant Professor	English Literature	02
Anargha.K	M A	Assistant Professor	English Literature	02
Soniya.R	MA,B.Ed.	Assistant Professor	English Literature	Joined in 2016

5. Research Centre /facility recognized by the University

Yes, Research Centre

6. Faculty as members in

a) National committees b) International Committees

c) Editorial Boards...

d) Boards of studies:

- Smt Sheela Nair M was member BoS UG( Functional English)
- Dr. Rajani B was member BoS PG( Women's Studies)
- Dr. Rajani B was member Faculty of Languages
- Dr. Rajani B was member BoS PG(English),St. Joseph's College, Devagiri(an autonomous college)
- Dr. Rajani B, chairperson Board of Question paper setters,Kannur University

7. Awards / Recognitions received by faculty and students:

Smt Arya Gopi won the following awards for excellence in literary field

2015	Sahitya Sree Award
2015	Asan Prize
2015	Yuva Prathiba Puraskar ( ONV Cultural Academy)
2015	Ankanam Award
2015	Kerala State Government Youth Welfare Board
2015	M.Sukumaran Memorial Kala Kaumudi Award
2016	Swami Vivekananda Award for Literature
2016	Youth Icon Award (Govt of Kerala)
2016	Harisree Radhakrishnan Smaraka Kavitha Award
2016	Vayalar Ramavarma Poetry Prize

2016	M N Kuruppu Smaraka Kavitha Puraskaram
2016	Kalakaumudi Mahakavi Pallath Raman Puraskaram
2016	Kozhisheril Balaraman Yuva Award
2017	Dubai Yuva Award (ONV Foundation)
2017	Avani Balasahithya Puraskaram

8. List of eminent academicians and scientists / visitors to the

- Prof.Lalitha Menon, Former, HOD Dept.of English,PWC
- Mr.Ramanand, Research Scholar, JNU
- Balachandran Gopinath,Soft skill trainer
- Dr.K.K.Kunjahammed

9.How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NET: 2

10. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Some of the eminent external experts who gave special lectures were

- Changing trends in Life & Literature by Prof.Lalitha Menon, Former HOD, Dept.of English, PWC
- Ayurveda & traditional medicines in modern health care by Mr.Ramanand
- Winning Habits by Sri.Balachandran Gopinath
- Fractured Reflections. Understanding Theory by Dr.K.K.Kunhammed

11. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Plastic eradication day was celebrated on 3 July 2015
- Dr. Anitha Ramesh K has delivered extension lecture” Packaging Culture” at Malabar Christian College,Calicut.
- Additional Skill and Acquisition Program was conducted to impart communication skills.

**DEPARTMENT OF MALAYALAM**

1. Name of the department : Malayalam
2. Year of Establishment : 1968
3. Names of Programmes / Courses offered : UG-Malayalam / Sociology  
PG- Malayalam
4. 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
Dr. P. Usha	MA(Malayalam& English),B. Ed, Ph. D	Assistant Professor	Ancient and medieval literature	10	4
S. Unnikrishnan	MA,B. Ed	Assistant Professor	Modern Literature	9	
Dr.Sreeranjini. G	MA, B. Ed, M. Phil, Ph. D	Assistant Professor	Modern Literature	9	4
Suneetha.T.V (Resigned in 2017)	MA,B. Ed(awarded Ph.D in2014-15)	Assistant Professor	Cyber Malayalam	9	4
Ramiladevi.P.R	MA, B. Ed	Assistant Professor	Modern Literature	4	
Aparna.T	MA, B. Ed, M. Phil	Assistant Professor	Ancient Literature	2	

5. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received
  - Dr.Usha.P. (Assistant Professor of Malayalam): Title of UGC Minor Project: Kadavallur Anyonyam-its Ideology and Culture [UGC File No. MRP(H)-225/15-16/KLCA024/UGC-SWRO dated 25.04.2016. Rs.89,500/-] Ongoing)

- Dr. Sreeranjini, G. (Assistant Professor of Malayalam): Title of UGC Minor Project: Archetypes in Vishnunarayanan Nambuthiri's poems. [UGC File No. MRP(H)-1605/11-12/KLCA024/UGC-SWRO dated 03.11.2011. Rs.70,000/-] [Completed]
  - Mr.Unnikrishnan, S. (Assistant Professor of Malayalam): Title of UGC Minor Project: Socio-cultural contributions of the Zamorin's of Calicut. [UGC File No. MRP(H)-1607/11-12/KLCA024/UGC-SWRO dated 03.11.2011. Rs.70,000/-] [Completed]
6. Research Centre /facility recognized by the University  
Yes, Research Centre
7. Publications:
- a) Publication per faculty
- Number of papers published in peer reviewed journals (national /international) by faculty and students - 11
  - Number of publications listed in International Database
  - Monographs
  - Chapter in Books = 4
8. Faculty as members in
- b) National committees – 4.. Sri S. Unnikrishnan has been nominated to the Review Committee of the Central Institute of Indian Languages. He was also appointed as the Director General nominee NYK, accreditation Committee INOS. Malayalam advisory Board Member, National Book Trust.
- b) International Committees
- c) Editorial Boards - Sri.S Unnikrishnan –Bharathvani Project HRDC Govt.India
- d. Boards of Studies:
- Dr. Usha P was a member BoS UG ( Malayalam)  
Sri S Unnikrishnan was member BoS (Drama)
9. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/program
- b) UG -100% , PG – 100%
- c) Percentage of students placed for projects in organizations outside the

institution i.e.in Research laboratories/Industry /other agencies

10. Awards / Recognitions received by faculty and students

Sri.S.Unnikrishnan : Yuva Prathiba Puraskaram, 2015 (Vivekananda Darshana vedi): Durgadatha Puraskaram, 2016 ( Tapasya Sahitya Vedi)

:

11. List of eminent academicians and scientists / visitors to the

Department:

- Vijesh, Theatre Artist
- Prabha Varma, Renowned poet
- Dr.Abdul Nazar, Asso.Prof, Govt Arts College Calicut
- Premanand,M.E, Asso. Prof, Department of English, MCC
- Raghavan Payyanad, Former Faculty University of Calicut
- K.V.Sajay, Govt College Madapally
- Dr.Priyadarshan Lal, Former Principal, Govt Arts College Calicut
- Patayil Prabhakaran, Well Known Sanskrit Scholar

12. Examinations such as NET, SLET, GATE, Civil services, Defence services, etc?

**NET - 2**

13. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

Some of the eminent external experts who gave special lectures were

- Organised third Deshi International Folklore conference in collaboration with Mannakam Kerala Folklore Academy.
- A talk on Modern Poetry by Prabha Varma
- Organised fourth Deshi International Folklore conference in collaboration with Mannakam Kerala Folklore Academy.
- O N V Kurup, Akbar Kakattil Anusmaranam by Dr.Abdul Nazar, Govt Arts College Calicut
- Organised Nadakka Kalari by Theatre artist Vijeesh
- A talk on Folklore Varthamanam by Dr.Raghavan Payyanad, Former

Faculty, University of Calicut

- A talk on “Pythukallam Puthukavitha” by K V Sajay, Govt College Madapally
- A seminar on Dharmika Padangal Ramayanathil by Dr.Priyadarsan Lal , Former Principal Arts College
- A talk on Ethihasangalude Punarvayana by Patayil Prabhakaran, Sanskrit Scholar
- A talk on “Education in an era of Globalisation

**DEPARTMENT OF HINDI**

1. Name of the department : Hindi
2. Year of Establishment : 1952
3. Names of Programmes /  
Courses offered :: UG, BA Hindi/History
4. 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
K.G.Vanaja(Retired in 2016)	MA, MPhil, PGDT	Associate Professor	Bhakti Literature	27
K.T.Santhoshkumar	MA, MPhil, PGDT	Associate Professor	Translation Studies	21
Dr.Meera.P.I	MA, MPhil, PhD PGDT	Assistant Professor	Fiction	8

5. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received  
One member has a minor research project funded by UGC
  - Dr. Meera, P.I. (Assistant Professor of Hindi): Title of UGC Minor Project: Cultural glimpses of Kashi in Neelachand (Hindi) and Varanasi (Malayalam): a comparative study. [UGC order no. MRP(H)-298/12-13/KLCA024/UGC-SWRO dated 29.03.2013] [Rs.1,40,000/-] [Completed].
6. Publications:
  - a) Publication per faculty
    - Number of papers published in peer reviewed journals (national /international) by faculty and students: 09
    - Number of publications listed in International Database

- Monographs
- Chapter in Books: 02
- Books Edited:
- Books with ISBN/ISSN numbers with details of publishers:
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index

7. a) **International committees**

- Dr.Meera PI is a member of All International Poetess Conference(LM(B)-210

b) International Committees

c) Editorial Board

8. List of eminent academicians and scientists / visitors to the Department

Refer response to Qst No 32

9. Seminars/ Conferences/Workshops organized & the source of funding

a) National-01

10. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

- Sri.Sarath Pagare , Famous Hindi Novelist
- Dr.Arsu,Former HOD, University of Calicut

**DEPARTMENT OF SANSKRIT**

1. Name of the department : Sanskrit
2. Year of Establishment : 1877
- 3.. 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 last4 years
Dr. C. Sreekumaran	MA, MSc.,M.Ed,M.Phil, Ph.D,D.N.H	Associate Professor	Sanskrit Special Sahithya	24	2

4. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. M phil + PhD :1

Dr C Sreekumaran is pursuing a PhD degree in Education from

5. 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 :01
- Monographs
- Chapter in Books
- Books Edited:9
- Books with ISBN/ISSN numbers with details of publishers:
- Citation Index

- SNIP
  - SJR
  - Impact factor
  - h-index
6. Faculty as members in
- a) National committees
  - b) International Committees
    - Dr C Sreekumaran is a member of Research Board of Advisors- American Biographical Institute, New York
  - c) Editorial Boards...
- Revathi Pattathanam Souvenir Committee
  - Laly Xavier Trust Publications
  - Worked in the editorial board of Arshanadam
  - Arshaprakasam Publications
7. List of eminent academicians and scientists / visitors to the Department Refer response to Qst No 09
8. Seminars/ Conferences/Workshops organized & the source of funding
- a) National:2
    - 1. Light of Srimad Bhagavata
    - 2. Thiruvalluvar
9. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts
- Some of the experts who delivered lectures for the benefit of students include:
- Some of the eminent external experts who gave special lectures were:
- Dr.C Krishnan Namboothiri, Investigator and author of books on science in ancient Sanskrit literature

- Swamy Chindanadapuri
- Sri N K Padmaprabha, Traditional scholar in Sanskrit and Astrology.
- Sri.Kesavan Namboodiri
- Prof. S Rajasekharan Nair,Secretary, Chetur Sankaran Nair Foundation

**DEPARTMENT OF MATHEMATICS**

1. Name of the department : Mathematics
2. Year of Establishment : 1952
3. Names of Programmes /  
Courses offered : 1. UG, PG
4. 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
Radha P	M.Sc.	Associate Professor	Pure Mathematics	24	Nil
Krishnaveni.P	MSc., B.Ed., JRF, NET	Asst. Professor	Pure Mathematics	3	Nil
Ambili R (Joined in 2015)	M.sc, B.Ed, M.Phil	Asst. Professor	Pure Mathematics	2	Nil

## 5. Awards / Recognitions received by faculty and students:

- Anand Mohan das 2 year B.Sc student Gold Medal in Thykondo

## 6. List of eminent academicians and scientists / visitors to the

- Dr. Sudheer, Associate Professor, Farook College
- Adarsh.V.K, Asst.Prof., TKM College, Kollam
- Dr.P.P.Bindu, Assistant Professor, Govt. Arts and Science College, Calicut
- Shabin P., Asst.Prof., Kerala Govt.Poly
- E.K.Kutty, Former Dean National Institute of advanced studies Bangalore,
- Abhinand, One of the 10 students selected by ISRO from all India

- Deepa V , Research Scholar NIT
- Mafeed, Asst.Prof CAPE Vadakara
- E.K.Kutty, Former Dean National Institute of advanced studies Bangalore
- Maneesh Jacob, Asst.Prof CMS College, Kottayam
- Adarsh.V.K, Asst.Prof TKM College, Kollam
- Liju Alex, Asst Prof BCM College , Kottayam
- Prof. Rajendran., Rtd Prof PSMO College Tirurangadi
- Dr.T.Sethumadhavan ,Renowned educationalist presently Director UL education,

7. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Some of the eminent external experts who gave special lectures were

Measure & Integration	Dr.Sudheer.K
Linear and Modern Algebra	Sri.Maneesh Jacob, Asst.Prof CMS College, Kottayam
Automata	Dr.Sudheer.K, Asst.Prof Farook College
Functional analysis	Mafeed, Asst.Prof CAPE Vadakara
Complex Analysis	
Graph Theory	Deepa V , Research Scholar NIT
Boolean Algebra	Shabin P. Asst.Prof Kerala Govt.Poly
Differential Equations	Adarsh.V.K, Asst.Prof TKM College, Kollam
Real Analysis	
Real Analysis	Dr.Muhammed .C.P
Motivation Class	E.K.Kutty, Former Dean National Institute of advanced studies Bangalore,
Motivation Class	Abhinand,One of the 10 students selected by ISRO from all India
Linear Algebra	Maneesh Jacob, Asst.Prof CMS College, Kottayam
Field Theory	
Differential Equations	Adarsh.V.K, Asst.Prof TKM College, Kollam
Real Analysis	Liju Alex, Asst Prof BCM College , Kottayam
Automato	Prof. Rajendran., Rtd Prof PSMO College Tirurangadi
Interactive session	Dr.T.Sethumadhavan ,Renowned educationalist presently Director UL education,

**DEPARTMENT OF STATISTICS**

1. Name of the department : Statistics
2. Year of Establishment : 1992
3. 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
E.D.Sani	MSc, JRF	Associate Professor	Statistics	23

5. 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 :
    - Monographs
    - Chapter in Books
    - Books Edited:
    - Books with ISBN/ISSN numbers with details of publishers:
    - Citation Index
    - SNIP
    - SJR
    - Impact factor
    - h-index
6. List of eminent academicians and scientists / visitors to the Department  
NIL
7. Seminars/ Conferences/Workshops organized & the source of funding

a) National

- 8 Participation in Institutional Social Responsibility (ISR) and Extension activities

Visiting orphanages and participating in programs of national integration and personality and skill development. Sri.E.D.Sani is the NCC Commander of the college

**DEPARTMENT OF PHYSICS**

1. Name of the department: **Physics**
2. Year of Establishment: **1957**
3. Names of Programs /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **B.Sc. Physics (UG), UGC sponsored one year certificate course on career oriented “Electrical, Electronics and Instrumentation”**
4. 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
Sri. T.Ramachandran	M.Sc., M.Phil., B.Ed.	Associate Prof.	Electronics	29	Nil
Sri. P.V.Krishna kumar	M.Sc., M.Phil., B.Ed.	Associate Prof.	Electronics	27	Nil
Dr. N.E.Rajeevan	M.Sc., M.Phil., Ph.D.& PGDCA	Associate Prof.	Materials Science	24	Nil
Sri.T.P.Subeesh	M.Sc.	Assistant. Prof.	Solid State Physics	2	Nil

5. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **a) National -1; b) International- Nil**
6. Departmental projects funded by DST- FIST; UGC, DBT, ICSSR, etc. and total grants received: **National: 2;**
  1. CRS Project at BARC of UGC-DAE, Mumbai- awarded to Dr. N.E. Rajeevan (Title of Project: “Study of Magnetic structure in Spinel Multiferroic materials by Neutron Diffraction”) – Rs. 1,05,000/- .(COMPLETED)
7. Research Centre faculty recognized by the University: **Nil**
8. Publications
  - \* Number of papers published in peer reviewed journals (national / international) by faculty and students: **01**
  - \* 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.) : **1**
  - \* Monographs: **Nil**

- \* Chapter in Books: Full Chapters of Electrodynamics I and Electrodynamics II by Dr.N.E.Rajeevanfor B.Sc. Core Physics Students.
  - \* Books edited: **Nil**
  - \* Books with ISBN/ISSN numbers with details of publishers:**Nil**
  - \* Citation Index: **86 (Dr.N.E.Rajeevan)**
  - \* SNIP: **Nil**
  - \* SIR: **Nil**
  - \* Impact factor: **2.357**
9. Area of consultancy and income generated:
10. Faculty as members in
- a)National committees –
  - b) International Committees - Nil
  - c)Editorial Boards: **01 (National) Dr.N.E.Rajeevan –Neutron Scattering Society of India (NSSI)**
  - d) University bodies :
11. Awards recognitions received by faculty and students
- 1. Sri.T.Ramachandran was awarded with Best Research Poster Presentation prize at 55<sup>th</sup> DAE-Solid State Physics Symposium, December 26-30, 2010, Manipal University, Manipal, Karnataka.
12. List of eminent academicians and scientists / visitors to the department:
- Dr. Ranjith. P, Assistant Professor, IIT, Mumbai, Maharashtra.
  - Dr.Muhammed Salim, IISER Trivandrum.
  - Dr.Revathi.P, Dpt of Earth Science IISc Bangalore
  - Dr.Libu. K.Alexander, University Of Calicut
  - Dr.T.H.Muhammed Shahim, University of Calicut
  - Dr.Binitha, University of Calicut.
13. Seminars/Conferences/Workshops organized and source of funding:
- a) National - **Nil**
  - b) International - **Nil**

14. Details on student enrichment programmes (special lectures/workshops/  
seminar)with external experts –

- Gravitational Waves by Dr.Muhammed Salim
- Organisation in living cells by Dr.Renjith.P
- Earthquakes: Sequels of a dynamic planet by Dr. Revathy. P
- Nanotechnology by Dr.Libuk.Alexander
- Black hole by Dr.Sini.R, Asst.Prof PWC, Calicut
- Neural Network by Dr.Sunil Kumar
- Interactive Hearing Machines by DR.R.K.Sunil Kumar

Special lectures:

- Nanotechnology for future by India, Associate Professor, IIT, Mumbai, Dr.Muhammed Salim, IISER Trivandrum, Dr.Revathi.P, Dpt of Earth Science IISc Bangalore in connection with National Science Day celebrations
- Night Sky Watching in the campus- collaborated with Regional Science Centre, Kozhikode.

**DEPARTMENT OF CHEMISTRY**

- Name of the department : PG Department of Chemistry
- Year of Establishment : 1957
- Names of Programs /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):  
B.Sc. Chemistry (UG), M.Sc. Chemistry (PG)
- 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. D.K. Babu	MSc., Ph.D.	Associate professor	Physical Chemistry	<b>32</b>	Nil
Dr. G. Indiradevi	MSc., B.Ed., Ph.D.	Associate professor	Organic Chemistry	<b>27</b>	Nil
Dr. P.T. Malini	MSc., B.Ed., Ph.D.	Associate professor	Physical Chemistry	<b>27</b>	Nil
Smt. Rugmini Ammal (On FDP)	M.Sc.	Assistant Professor	Organic Chemistry	<b>10</b>	Nil
Smt. Sangeetha. K.G.	M.Sc., B.Ed.,	Assistant Professor	Organic Chemistry	<b>10</b>	Nil
Dr. Leon Prasanth	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	<b>05</b>	3
Dr. Sudheesh. P.	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	<b>05</b>	Nil

- Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:  
a) National -2; b) International- Nil
- Departmental projects funded by DST- FIST; UGC, DBT, ICSSR, etc. and total grants received: National: 2;  
UGC Minor Research Project awarded to Dr. Indira Devi, G.  
1.Title: Synthesis and characterization of some benzilic acid amino acid transition metal complexes and their spectral, thermal, antifungal and antibacterial studies. Rs. 1,52,000/- [Completed].

Major Research Project awarded to Dr. Leon Prasnath:

1. Department of Science and Technology (DST)-Science & Engineering Research Board, New Delhi (SERB)] funded major Project. Title: Investigation of enatio-reversal in the chiral ligand surface capped metal nanoparticles catalysed reactions. Rs.: 15,48,000/. [Ongoing]

**Collaborative Project:**

1. Title: Preparation and Characterization of Co-based Magnetolectric-Multiferroic Materials. Co-Investigator. Dr. Indira Devi, G. (Principal Investigator: Dr. N.E. Rajeevan, Dept. of Physics, the Zamorin's Guruvayurappan College).
7. Research Centre/facility recognized by the University:

**Application by the Department is under processing by the University of Calicut.**

8. Publications

\* Number of papers published in peer reviewed journals (national /international) by faculty and students: **International-6, National-5, Conference-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: **Nil**

\* Chapter in Books:

\* Books edited: **Nil**

\* Books with ISBN/ISSN numbers with details of publishers: **Nil**

\* Citation Index: **Nil**

\* SIR: **Nil**

\* Impact factor: **Nil**

\* h-index: **Nil**

9. Area of consultancy and income generated:

9600/-

10. Faculty as members in a) National committees - Nil

11. List of eminent academicians and scientists / visitors to the department:

1. Dr. Mohammed Shafi, (Professor of Chemistry, University of Calicut,

Kerala).

2. Dr. Liza Sreejith (NIT, Kozhikode, Kerala).

3. Dr. Aneesh, MH (Dept. of Chemistry, PSMO College, Malappuram, Kerala)

4. Dr. George Mathew (St. Mary's College, Sulthan Bathery, Wayanad.)

5. Dr. Govind Raj (Department of Chemistry, Malabar Christian College, Kozhikode, Kerala)

12. Seminars/Conferences/Workshops organized and source of funding:

a) National - Nil

b) International – Nil

13. How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil Services, Defense Services etc?

NET-02, SET-05, GATE-03

14. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts –

- Science and society and scientific temper by Dr Harikumar Thampi, Asso. Prof., Department of Biochemistry University of Calicut.

**DEPARTMENT OF BOTANY**

1. Name of the department :  
P.G. & Research Department of Botany
2. Year of Establishment : 1957
3. Names of Programs / Courses offered :  
BSc. Botany, M.Sc. Botany, Ph.D. in Botany
- 4.. 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. P.P. Rajan	M.Sc., Ph.D.	Asst. Prof.	Plant Pathology	17	-
Dr. P. Indulekha	M.Sc., Ph.D.	Asst. Prof.	Plant Tissue culture	17	-
Dr. K.P. Rajesh	M.Sc., Ph.D., FIAAT	Asst. Prof.	Taxonomy, Pteridology	8	3
Dr. Manju C. Nair	M.Sc., B.Ed., Ph.D., PDF	Asst. Prof.	Taxonomy, Bryology	6	6
Dr. Arun Kumar, T.K.	M.Sc.,PhD., PDF	Asst. Prof.	Mycology	5	1
Dr. Sanoj, E.	M.Sc., M.Phil., Ph.D., FIAAT	Asst. Prof.	Angiosperm Taxonomy	5	-
Dr.Anoop.K	M.Sc., Ph.D.	Asst. Prof.	Plant Pathology	3	-

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

Type	Agency	Faculty	Number of projects	Amount Rs.
National	DST-SERB	Dr. Manju, C. Nair	1	24,60,000/-
State	KSCSTE	Dr. Manju, C. Nair	1	10,000/-
State	KSCSTE	Dr. Manju, C. Nair	1	10,000/-

State	KSCSTE	Dr. K.P. Rajesh	1	8000/-
State	KSCSTE	Dr. K.P. Rajesh	1	8000/-

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

Non Funded Research Activities:

- Dr. Manju C. Nair (Assistant Professor of Botany): Title of Major Project: Systematic studies on the Bryophytes of Peechi, Vazhani wild life sanctuary in thrissur district , Kerala [Order no.:031/SRSL/2014/CSTE Dated: 01.04.2016]. [Funding agency: KSCSTE [Rs.: 17,34,400/-]. Ongoing
- Dr.Rajesh.K.P ((Assistant Professor of Botany) : Title Bryophytes of lowlands and midlands of Malappuram District , Kerala.UGC SWRO. 2250MRP/15/16/KLCA024/UGCSWRO dt: 25/04/2016

7. Research Centre/facility recognized by the University:

Approved Research Centre of the University of Calicut, with five faculty members (Dr. Rajan, P.P., Dr. KP Rajesh, Dr. Manju C. Nair, Dr. Arun Kumar, T.K. and Dr. Sanoj, E.) as Ph.D. guides.

8. Publications

\* a) Publication per faculty:

Dr. Rajan, P.P.	1
Dr. K.P. Rajesh	8
Dr. Manju, C. Nair	15
Dr. Arun Kumar, T.K.	4
Dr. Sanoj, E.	1

\* Number of papers published in peer reviewed journals (national / international)

by faculty and students	Total (2015-2017)	:
	National	: 7
	International	: 22
	Student Publications	:

- \* 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..... : Nil
- \* Chapter in Books: 1
- \* Books edited..... : Nil
- \* Books with ISBN/ISSN numbers with details of publishers: Nil
- \* SNIP: 4
- \* SNIR: 4
  
- \* Impact factor: 845  
Total Impact factor for the year 2015-2017: 9.31  
Impact factor range: 1.79-2.58
- \* h-index: 9
- 9. Area of consultancy and income generated:  
Fungus identification service Rs 100/ sample
- 10. List of eminent academicians and scientists / visitors to the department:  
Nil
- 11. Seminars/Conferences/Workshops organized and source of funding:  
a) National – Curtain raiser program of Kerala Science Congress conducted, 2016 financial assistance from KSCSTE  
b) International - Nil
- 12. How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil Services, Defence Services, etc?–  
NET: 3
- 13. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts – NIL

**DEPARTMENT OF ZOOLOGY**

1. Name of the Department : ZOOLOGY  
2. Year of establishment : 1960  
3. Name of Programmes/Courses offered : UG (B. Sc. Zoology)  
4. 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
Dr. M. Madhavikutty (Retired on 2016)	M. Sc., M. Ed., Ph. D., M. Sc. (Applied Psychology)	Principal and Associate Professor	Entomology	34 (retired on 31.03.2016)
Dr. A. Sindhu	M. Sc., B. Ed., Ph. D.	Assistant Professor	Entomology	10
Dr.Sudheer, K.	M. Sc., B. Ed., Ph. D.	Assistant Professor	Entomology	6
Mr.Deepak, R.	M. Sc., M. Ed. (Ph. D. doing)	Assistant Professor	Entomology	1

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

National: 1 International: Nil

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

1. UGC Minor Research Project awarded to Dr.Sudheer, K. Title: Studies on the Systematics of Porizontinae (Hymenoptera: Ichneumonidae) of Malabar Area of Kerala Status: Completed. Fund: Rs. 1,80,000/- (Rupees One lakh eighty thousand only)

7. Publications:

\* a) Publication per faculty

\* Number of papers published in peer reviewed journals (national / international) by faculty and students: **02**

8. Areas of consultancy and income generated

Insect Identification Services: Identified various Ichneumonid parasitoids for students and institutions in Biological control and taxonomic studies done in various Institutions such as University of

Calicut, University of Dharwad, Govt. Arts and Science College, Kozhikode, MES College Mampad, Government College, Kasaragode, Indian Institute of Spices Research, etc. Identification of the parasitoids were done as a support to students and as part of service to society and hence no income was generated with such consultancy works.

9. Faculty as members in a) National Committees b) International Committees  
c) Editorial Boards .

National Committees:

Dr.Sudheer, K.

- Secretary-Treasurer, Prof. T. C. Narendran Trust for Animal Taxonomy
- Member, Malabar Natural History Society
- Associate editor, Biosystematica An International Journal

10. List of eminent academicians and scientists / visitors to the department

- Sri. Abdul Riyas (Assistant Professor of Zoology, Kodenchery Government College, Kerala)
- Dr. Jomy Augustine (Assistant Professor of Botany, Pala St. Thomas College, Kottayam, Kerala)
- Dr. Santhosh. S. (Assistant Professor of Zoology, Malabar Christian College, Kozhikode, Kerala)
- Dr. Jafer Palot(Zoological Assistant, Zoological Survey of India, Western Ghats Regional Centre, Kozhikode, Kerala)
- Dr. Jobiraj, T.(Assistant Professor of Zoology, Kodenchery Government College, Kerala)
- Mr.Bharat Dsas. V, Retired Senior Manager (IT) KG Bank

11. Seminars/Conferences/Workshops organised & the source of funding

a) National    b) International

- Biodiversity and conservation-Current Scenario One day seminar as part of Wild Life Week Celebrations on 10 october 2015-Dr. Jomy Augustain, Asst Prof Department of Botany, Pala St. Thomas College, Funded by PTA.

- Faunal Diversity of Kerala.–Dr. Jafer Palot, Zoological Assistant, Zoological Survey of India, Western Ghat Regional Centre. on 30<sup>th</sup> December 2015. Funded by Department of Zoology
- KSCSTE Thiruvananthapuram funded the seminar jointly organized by Science departments on 27<sup>th</sup> February 2016.

12. Details on Student Enrichment programmes

Participation / selection of students in Curricular / Co-curricular programmes

Special Lectures/Seminars/Workshops with external experts

- Mr. Bharat Das V, Retired senior manager (IT) delivered a lecture on motivation and skill development of students, “Will to win” on 21<sup>st</sup> February 2015
- Students and staff organised an exhibition to create awareness against drug abuse
- A talk on Bio diversity of Western Ghats and conservation by Dr.Jomy Augustain St Thomas Pala.
- A talk on Faunal Diversity of Kerala by Dr.Jafar Palot, Senior Asst Zoologist, ZSI.
- Motivation towards excellence by Dr.M.Madhavikutty
- Communication :Theory and Practical by Sandhya Varma
- Stress and Stress management by Dr.M.Madhavikutty,Dist. Coordinator of gifted children enrichment program
- Motivation and skill development by Bharath Das V

13. Participation in Institutional Social Responsibility and Extension activities

- Students from the department are participating in National Service Scheme, National Cadet Corps, Compulsory Social Service, Blood donation and supporting programmes including Pain and Palliative care.
- Conservation Awareness in students and society in one of the main focus point in departmental activities. The Department organizes study tour to various localities of ecological importance such as National Parks, Wild Life Sanctuaries, Tiger Reserves, Biosphere Reserves, Community Reserves, Wetlands etc. as part of this.
- Every year Students under the guidance of faculty members of Zoology Department actively involved in planting trees in the campus and

competitions (quiz, essay writing, pencil drawing, etc.) in creating awareness towards environment as part of the Environment Day celebrations on June 5<sup>th</sup> and Wild Life Week Celebrations during the first week of October.

- Students of the nearby schools and nature clubs and science popularization programmes visit the Prof. RVR Thampuran Museum maintained by the Department every year

**DEPARTMENT OF ECONOMICS**

1. Name of the department : Economics
2. Year of Establishment : 1952
3. Names of Programmes /  
Courses offered : UG, PG, PhD
4. 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
Dr.M.G.Mallika	MA,B. Ed, M. Phil, Ph .D	Assistant Professor	Gender & Labour Economics	08	07
Anil Varma	MA, M.Phil	Assistant Professor	International Economics	06	
Anooja Chacko	MA	Assistant Professor	Environmental Economics	06	
Dr.Remya Rajan.P	MA,B. Ed, M. Ed, Ph.D(Education) Ph D (Economics)	Assistant Professor	Economics of Education	03	
Deepa. E	MA	Assistant Professor	Micro Economics	03	
Jeni. B.S	MA	Assistant Professor	Developmental Economics	03	
Smt.Jyostna.P	MA. Med	Assistant Professor	Micro Economics	02	

- 5 Number of faculty with ongoing projects from
    - a) National
    - b) International funding agencies and grants received
- 3 Members have Minor Research Projects funded by UGC

- Dr. Mallika, M.G. (Assistant Professor of Economics): Title of UGC Minor Project: Female invisibility and the time utilization pattern – a case study of Kozhikode district. MRP(H)-293/12-13/KLCA024/UGC-SWRO dated 29.03.2013] [Rs.1,40,000/-] [Completed].
  - Ms. Anooja Chacko (Assistant Professor of Economics): Title of UGC Minor Project: Livelihood strategies of chronically disabled: a case study of Kozhikode district. [UGC order no. MRP(H)-297/12-13/KLCA024/UGC-SWRO dated 29.03.2013] [Rs.1,45,000/-] [Completed].
  - Sri. Anil Varma, R. (Assistant Professor of Economics): Title of UGC Minor Project: Theoretical and empirical study on ASEAN-India free trade agreement- a cases study of Kerala's plantation sector. [UGC order no. MRP(H)-295/12-13/KLCA024/UGC-SWRO dated 29.03.2013] [Rs.1,50,000/-] [Completed].
6. Research Centre /facility recognized by the University  
Yes. Research Centre
7. Publications:
- a) Publication per faculty
  - Number of papers published in peer reviewed journals (national /international) by faculty and students: **06**
  - Number of publications listed in International Database
  - Monographs
  - Chapter in Books
  - Books Edited:
  - Books with ISBN/ISSN numbers with details of publishers:
  - Citation Index
  - SNIP
  - SJR
  - Impact factor
  - h-index
8. Areas of consultancy and income generated: Nil
9. Faculty as members in
- c) National committees

d) b) International Committees

e) c) Editorial Boards...

10. List of eminent academicians and scientists / visitors to the Department

- Dr. Shyjan Davis, Asso. Prof, University of Calicut
- Vijay Chandran,
- K.P. Keerthi kumar,
- Dibin, Organic Farmer
- K. Sreelesh renowned Poet
- Mr. N. Jangesh, HSST computer application
- Shabil Krishnan, Organic farmer and Health Inspector
- Mrs. Bindhu, Executive engineer KSEB
- A Raghavan, Deputy General Secretary SBI
- Rajeesh .C.S, Research Scholar JNU
- Shabil Krishnan, Organic farmer and health inspector
- T.K. Gopakumar, Calicut Insurance Institute

11. Seminars/ Conferences/Workshops organized & the source of funding

a) National: 2

1. National seminar on Actuarial Science; an Overview"

2. An Introduction to Insurance

12. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

SET – 2, NET-2

13. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

The experts who participated in the national seminar were

Economics	Research Methodology	Dr. Shyjan Davis, Asso. Prof, University of Calicut
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	An introduction to Insurance	Vijay Chandran, K.P.Keerthi kumar, T.K.Gopakumar,(Calicut Insurance Institute
	Actuarial Science: An overview	S.ChidambaramAffiliate Member Institute of Actuaries London
	Demonitisation and its impact on indian economy	Padmarajan .T, AGM,SBI Palakkad, T.K.Devarajan, Sashtira Sahithya Prishad
	Secondary data sources	P.C.Mohanan, ISS Former deputy general CSO
	Enviornmentment	Shabil Krishnan (Organic farmer and health inspector)
	Enviornmentment	Dibin, Organic Farmer
	Economics of crimes	Rajeesh .C.S, Research Scholar JNU
	Directions for democratic banking	A Raghavan, Deputy General Secretary SBI

**DEPARTMENT OF HISTORY**

1. Name of the department : History
2. Year of Establishment : 1974
3. Names of Programmes /  
Courses offered : 1. UG

4. 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
K.Sreelatha	MA, B. Ed	Assistant Professor	-do-	03
Saleena. K.K	MA,M. Phil	Assistant Professor	Medieval Indian History	03
Praseetha.P	MA	Assistant Professor	Ancient Indian History	03
Mayadevi.M	MA, B.Ed	Assistant Professor	Modern Indian History	03

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

Mrs. Saleena, K.K. (Assistant Professor of History): Title of UGC Minor Project: Migration from Travancore to Malabar: a historical analysis of Kuttiady region. [UGC order no. MRP(H)-293/12-13/KLCA024/UGC-SWRO dated 29.03.2013] [Rs.1,15,000/-] [Completed]

6. Publications:

a) Publication per faculty

- Number of papers published in peer reviewed journals (national /international) by faculty and students : 06

- Number of publications listed in International Database
  - Monographs
  - Chapter in Books
  - Books Edited:
  - Books with ISBN/ISSN numbers with details of publishers
  - Citation Index
  - SNIP
  - SJR
  - Impact factor
  - h-index
7. Faculty as members in
- f) National committees b) International Committees
  - c) Editorial Boards...
  - d) Board of Studies
1. Smt.K.Sreelatha is a member of board of studies, University of Calicut
8. Awards / Recognitions received by faculty and students:
- Smt.Praseetha.P, Best NSS Program officer
9. List of eminent academicians and scientists / visitors to the Department
- 1. Sri. M.K.Raghavan (Member of Parliament)
  - 2. Prof. Rajasekharan Nair (Secretary, Chettur Sankaran Nair Foundation, Ottapalam)
  - 3. Prof.M.G.S.Narayanan (Former Chairman, Indian Council of Historical Research)
  - 4. Dr.G.Gopakumar (*Vice Chancellor, Central University of Kerala*)
  - 5. Adv. Sarath Chandran (*Practicing Advocate, Madras High Court*)
  - 6. Dr.K.Gopalankutty (*Former, HOD,History,University of Calicut*)
  - 7. Adv. V.V.Vishvambaran (*President, Calicut Bar Association*)
  - 8. Adv.Govind Chandrasekhar (*Legal Adviser, Z.G.College*)
  - 9. Prof. M.C.Vasisht (*HOD,History,Malabar Christian College*)

10. Sri.Khader Palazhi (District Information Officer)
  11. Sri.K.F.Georg ( Asst.Editor Malayala Manorama)
  12. Sri. A.M.Shinas (Asst. Prof, Dept. of History,Govt.Arts & Science College)
  13. Dr.Sudha Krishnanunni (Senior Consultant & Head of the Department of Paediatrics, MIMS, Calicut)
  14. Sri. K.Sreejith (Asst. Prof, Dept. of History,Govt.Arts & Science College)
  15. Sri. Binoy Viswam (Former Minister of Forests, Govt.of Kerala)
10. Seminars/ Conferences/Workshops organized & the source of funding
- A One Day National Seminar titled “Chettur Sankaran Nair and Liberalism in India” was organised on 11.7.2015, funded jointly by the CSN Foundation, PTA and College Management.
  - Organised a one day seminar on “Gandhi as a Journalist” in association with the District Public Relations Department as part of the Gandhi Jayanthi Celebrations on 5.10.2015.(Funded by the P.T.A)
  - Organised a seminar to observe the National Girl Child Day on 25.1.2016 and gave scholarship to the most deserving girl student as part of the *Beti Bachao Beti Padhao* programme.( Funded by the Department)
  - Organised a seminar on the topic “Cricket and Indian National Movement” on 29.2.2016. (Funded by the P.T.A)
  - Organised a one day seminar on The principles and methods of archaeology by Dr.Rajesh.P, Asst Prof Dept of History, NSS College Manjeri.
  - A one day Seminar on Subhash Chandra Bose: A hero sidelined in Indian National Movement
11. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts
- ❖ Organised a one day National Seminar titled “**Chettur Sankaran Nair and Liberalism in India**” on 11.7.2015.
  - ❖ Conducted an Inter Collegiate Quiz Competition on “**68 Years of Independence**” as part of the Independence Day celebrations on 13.8.2015.
  - ❖ Organised a one day seminar on “**Gandhi as a Journalist**” in association with the Public Relations Department as part of the Gandhi Jayanthi Celebrations on 5.10.2015.
  - ❖ An inter class essay competition was conducted as part of **Sardar Vallabhai Patel Birth Anniversary** on 3.11.2015.

- ❖ An invited lecture on “Subhash Chandra Bose: A Hero Sidelined in Indian National Movement” on 22.1.2016.
  - ❖ Organised a seminar to observe the National Girl Child Day on 25.1.2016.
  - ❖ Organised a seminar on the topic “Cricket and Indian National Movement” on 29.2.2016.
  - ❖ Arranged a Poster Exhibition “Road to Rio Olympics” on 15.7.2016, in the run up to the Olympic Games.
  - ❖ An Inter Collegiate Quiz Competition on the Indian Constitution, in commemoration of the 125<sup>th</sup> birth anniversary of the architect of the Indian Constitution Dr.B.R.Ambedkar, was organised on 23.1.2017 as part of the Republic Day celebrations.
12. Participation in Institutional Social Responsibility (ISR) and Extension activities
- ✓ Coordinated the extension activity of the college titled “**Sharing the Knowledge**” aiming at the academic development of the UP and High School students of the Kinassery Govt.Vocational Higher Secondary School, in the months of July and August 2015.
  - ✓ Organised a programme observing the **National Girl Child Day** on **25.1.2016**. As part of the government initiative of **Beti Bachao Beti Padhao, handed over scholarship to the most deserving girl student of the college.**
  - ✓ Offered felicitations at the inauguration ceremony of a **Poster Exhibition on Cricket** held at Lalitha Kala Art Gallery,Calicut.

**DEPARTMENT OF POLITICAL SCIENCE**

1. Name of the Department: Department of Political Science
2. Year of Establishment: 1992
3. Names of Programmes / Courses offered:  
Complementary courses for UG Programmes of B.A. Economics and B.A. History
4. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialisation	No. of years of experience	No. Of Ph.D students guided
Tanuja Raghavan	M.A Political Science Qualified UGC/NET	Associate Professor	International Relations	23 years	None

5. Publications: \* a) Publication per faculty
  - \* Number of papers published in peer reviewed journals (national / international) by faculty and students: 1
  - \* 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

6. Areas of consultancy and income generated: NIL
7. Faculty as members in a) National committees b) International Committees c) Editorial Boards....
8. List of eminent academicians and scientists / visitors to the department:
  - Sri. M.K.Raghavan (Member of Parliament)
  - Prof. Rajasekharan Nair (Secretary, Chettur Sankaran Nair Foundation, Ottapalam)
  - Prof.M.G.S.Narayanan (Former Chairman, Indian Council of Historical Research)
  - Dr.G.Gopakumar (*Vice Chancellor, Central University of Kerala*)
  - Adv. Sarath Chandran (*Practicing Advocate, Madras High Court*)
  - Dr.K.Gopalankutty (*Former, HOD,History,University of Calicut*)
  - Adv. V.V.Vishvambaran (*President, Calicut Bar Association*)
  - Adv.Govind Chandrasekhar (*Legal Adviser, Z.G.College*)
  - Prof. M.C.Vasisht (*HOD,History,Malabar Christian College*)
  - Sri.Khader Palazhi (District Information Officer)
  - Sri.K.F.Georg ( Asst.Editor Malayala Manorama)
  - Sri. A.M.Shinas (Asst. Prof, Dept. of History,Govt.Arts & Science College)
  - Dr.Sudha Krishnanunni (Senior Consultant & Head of the Department of Paediatrics, MIMS, Calicut)
  - Sri. K.Sreejith (Asst. Prof, Dept. of History,Govt.Arts & Science College)
  - Sri. Binoy Viswam (Former Minister of Forests, Govt.of Kerala)
9. Seminars/ Conferences/Workshops organized & the source of funding:
  - A One Day National Seminar titled “Chettur Sankaran Nair and Liberalism in India” was organised on 11.7.2015, funded jointly by the CSN Foundation, PTA and College Management.
  - Organised a one day seminar on “Gandhi as a Journalist” in association with the District Public Relations Department as part of the Gandhi Jayanthi Celebrations on 5.10.2015.(Funded by the P.T.A)
  - Organised a seminar to observe the National Girl Child Day on 25.1.2016 and gave scholarship to the most deserving girl student as part of the *Beti Bachao Beti Padhao* programme.( Funded by the Department)
  - Organised a seminar on the topic “Cricket and Indian National Movement” on 29.2.2016. (Funded by the P.T.A)

- A One Day State level seminar was organised in association with the Department of Economics and the College Union on “Fidel Castro and Cuba’s Non Alignment Policy and Economic System”, at our college on 5.12.16.

10. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

- ❖ Organised a one day National Seminar titled “**Chettur Sankaran Nair and Liberalism in India**” on 11.7.2015.
- ❖ Conducted an Inter Collegiate Quiz Competition on “**68 Years of Independence**” as part of the Independence Day celebrations on 13.8.2015.
- ❖ Organised a one day seminar on “**Gandhi as a Journalist**” in association with the Public Relations Department as part of the Gandhi Jayanthi Celebrations on 5.10.2015.
- ❖ An inter class essay competition was conducted as part of **Sardar Vallabhai Patel Birth Anniversary** on 3.11.2015.
- ❖ An invited lecture on “Subhash Chandra Bose: A Hero Sidelined in Indian National Movement” on 22.1.2016.
- ❖ Organised a seminar to observe the National Girl Child Day on 25.1.2016.
- ❖ Organised a seminar on the topic “Cricket and Indian National Movement” on 29.2.2016.
- ❖ Arranged a Poster Exhibition “Road to Rio Olympics” on 15.7.2016, in the run up to the Olympic Games.
- ❖ An Inter Collegiate Quiz Competition on the Indian Constitution, in commemoration of the 125<sup>th</sup> birth anniversary of the architect of the Indian Constitution Dr.B.R.Ambedkar, was organised on 23.1.2017 as part of the Republic Day celebrations.
- ❖ Organised a seminar in association with the Department of Economics and the College Union on “Fidel Castro and Cuba’s Non Alignment Policy and Economic System”, at our college on 5.12.16.

11. Participation in Institutional Social Responsibility (ISR) and Extension activities

- ✓ Coordinated the extension activity of the college titled “**Sharing the Knowledge**” aiming at the academic development of the UP and High School students of the Kinassery Govt.Vocational Higher Secondary School, in the months of July and August 2015.
- ✓ Organised a programme observing the **National Girl Child Day** on **25.1.2016**. As part of the government initiative of **Beti Bachao Beti Padhao**, handed over scholarship to the most deserving girl student of the college.

- ✓ Offered felicitations at the inauguration ceremony of a **Poster Exhibition on Cricket** held at Lalitha Kala Art Gallery, Calicut, on **4.3.16.**
- ✓ Offered felicitations at the inauguration ceremony of a **Poster Exhibition “Road to Rio Olympics”** held at **Calicut Town Hall**, on **1.8.16.**
- ✓ Offered felicitations at the programme organized by the Department of History in association with **Bhasha Samanvaya Vedi**, honouring the eminent historian Dr.M.G.S Narayanan on **19.8.2016.**
- ✓ Member of the **Screening cum Evaluation Committee** for promotion of teachers under CAS, as a subject expert, held at **Vimala College, Thrissur on 30.9.2016.**
- ✓ As the plenary speaker at a seminar organised on **Human Rights at Malabar Christian College** delivered a talk on **“Human Rights and the New Generation” on 9.12.16.**
- ✓ Panel Discussant at the programme titled **“Women Empowerment: Invisible Facts”** organised by the Department of Economics on the occasion of International Women’s Day on 7.3.2017.
- ✓ Member of Judging Panel of the **Inter Collegiate Women’s Parliament Competition** organised on the occasion of International Women’s Day celebrations of the college NSS unit on 8.3.2017.
- ✓ Member of the **Selection Committee** as subject expert, constituted in **Malabar Christian College** for the selection of teacher fellow under **Faculty Development Programme of UGC XII Plan, on 30.3.17.**

**DEPARTMENT OF COMMERCE**

1. Name of the department : Commerce
2. Year of Establishment : 1957
3. Names of Programmes  
Courses offered : BCom,MCom,BBA
4. 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
Prof.Ramesan.P	M.com M.phil	Associate Professor	Finance	28
Prof. Rajan Malayil	M.com,M.Sc.,M.Phil,HDC	Associate Professor	Finance	26
Prof.Mayadevi Thampatty	M.com,B.Ed, NET	Assistant Professor	Finance	09
Varada Varma	M.Com,NET	Assistant Professor	Finance	06
Suneera.A	M.Com, JRF	Assistant Professor	Finance	04
Mohanakrishnan.P.C	M.Com,NET	Assistant Professor	Finance	03

5. Number of faculty with ongoing projects from a) National b)
6. Publications:
  - a) Publication per faculty
    - Number of papers published in peer reviewed journals (national /international) by faculty and students: **4**
    - Number of publications listed in International Database :
    - Monographs
    - Chapter in Books
    - Books Edited:
    - Books with ISBN/ISSN numbers with details of publishers:
    - Citation Index
    - SNIP

- SJR
  - Impact factor
  - h-index
7. Faculty as members in
- a) National committees
  - b) International Committees
  - c) Editorial Boards...
8. Student projects
- d) Percentage of students who have done in-house projects including inter departmental/programme  
100%
  - e) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies
- 9 . List of eminent academicians and scientists / visitors to the  
Department Refer Qst no 12
10. Seminars/ Conferences/Workshops organized & the source of funding  
Nil
11. Details of Infrastructural Facilities
- Library : 6159 in central library
  - Internet Facility for staff and students : Yes, Wifi facility available
  - Class rooms with ICT facility: 03
  - Laboratories : One Computer Lab
12. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts  
Some of the eminent external experts who gave special lectures were
- A seminar on Stock Market by Dr.Venugopal, Expert from Bombay Stock Market
  - A Class on Career Guidance by Dr.Mahesh, Asso.Director, DC Books
  - A seminar on Capital Markets and Investment opportunities by Dr.V.K.Vijayakumar, Chief financial strategist
  - A seminar on Stock Market by Dr.Venugopal, Expert from Bombay Stock Market

- A seminar on Economic reform and Indian securities Market by Prof.K.Sukumaran, Dean National institute of securities market
- A seminar on Career options in Commerce by Dr.Thomas George

**DEPARTMENT OF SOCIOLOGY**

1. Name of the department : Sociology
2. Year of Establishment : 1968
3. Names of Programmes /  
Courses offered : UG-Malayalam / Sociology  
PG- Sociology
4. 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
N. Rakhi	M A, B. Ed	Assistant Professor	Migration and Diaspora studies	11
R.Shailendra Varma	M A, B. Ed, M. Phil	Assistant Professor	Environmental Sociology	11
Dr. C. Mahesh	M A, Ph. D	Assistant Professor	Structure, Transformation of Kerala Society	08
Ranjith Raja. P. C.	M A, M. Phil	Assistant Professor	Rural Development	08
Dr. Saju. K. Nair	M A, M. Phil, Ph. D	Assistant Professor	Gerontology, Sociology Work and industry	04
Malika. U. Varma	M A	Assistant Professor	Sociology of Health	03

5. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received
  - Sri. Shailendra Varma, R. (Assistant Professor of Sociology): Title of UGC Minor Project : Impact of Development Induced Displacement on Neighbourhood Relations – A Case Study of Olavanna Panchayath

in Kozhikode. [MRP (H)-0300/12-13-/KLCA024/UGC-SWRO dated 23-Sept-2013] [Rs 90,000/-] [Completed].

- Dr. Mahesh, C. (Assistant Professor of Sociology): Title of UGC Minor Project: Male Dominated Politics and Participation of Women in Local Self Governing Bodies in Malabar Region. [UGC order no. MRP(H)-296/12-13/KLCA024/UGC-SWRO dated 23.09.2013] [Rs.1,63,000/-] [Completed]
- Dr. Ranjith Raja, P.C. (Assistant Professor of Sociology): Title of UGC Minor Project: A sociological study about the impact of gulf migration on institution family: a special focus on single parenting from Kerala- comparative analysis. [UGC SWRO Order no. 1619-MRP/14-15/KLCA024 dated 04.02.2015]. [Rs. 2,30,000/-]. Completed

6. 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
- Monographs
- Chapter in Books:
- Books Edited
- Books with ISBN/ISSN numbers with details of publishers -
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index

7. List of eminent academicians and scientists / visitors to the department

- Dr.M.A.Kalam, Prof of eminence, Tezpur University
- Prof.D.D.Namboodiri, Director CREST Kozhikode
- Dr.K.G.Dilip, SSUS Kalady
- Dr.Antony Palakal, Loyola College Tvm
- Prof.R.K.Varghese, President KSS.

- Dr.Jhony C Joseph, visiting faculty malayalam university
- Dr.Thara Bai, Former President KSS
- Dr. Abraham Vijayan, HOD KNM College, TVM
- Dr.Raghavan Payanad

8. Seminars/ Conferences/Workshops organized & the source of funding

a) National –1

\* Sociology of Spatial Transformation

9. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

NET-03

10. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Classes by experts in the subject are arranged. Interaction of students with students of other universities and colleges are facilitated. Details given below

	Topic	Resource Person
Sociology	Theoretical foundation of research in social science	Dr.Ramakrishnan, Manonmaniyan Sundaranar University
	Gender Issues	Dr.Rijula.P.K, KNM Govt atrs and science college, TVM
	Prospects of Sociology	Dr.Sara neena, Asso Prof, Vimala College Trissur
	Multi Culturarilism	Dr.Kalam, Prof of eminence , Tezpur University
	Evolution of knowledge and politics	Dr.Raghavan Payanad
	Career prospects in Sociology	Sanu k Suguthan

**DEPARTMENT OF PHYSICAL EDUCATION**

1. Name of the department : Physical Education

2. Year of Establishment : 1955

3. Names of Programmes /

Courses offered : 1.MSc Health & Yoga  
Therapy

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

Name	Qualification	Designation	Specialization	No. of Years of Experi
Devakumar.K.V	B.Sc Maths, B. P.Ed, M.P.Ed, M.Phil, UGC NET, D.Y.Ed, P.G.D.Y.Ed	Associate Professor	Basket Ball	22
Dr. Jayakumar.R	B.Sc Botany, M.P.Ed, M.Phil, Ph.D	Assistant Professor	Cricket	6

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

NIL

6. Publications:

a) Publication per faculty

- Number of papers published in peer reviewed journals (national /international) by faculty and students: 6
- Number of publications listed in International Database
- Monographs
- Chapter in Books
- Books Edited:

- Books with ISBN/ISSN numbers with details of publishers: 1
  - Citation Index
  - NIP
  - SJR
  - Impact factor
  - h-index
7. Faculty as members in
- g) National committees
- Sri.Devakumar.K.V is an executive member of the National Association for Physical Education and Sports Sciences( NAPERSS)
- ii) Board of Studies
- Sri.Devakumar .K.V. is the Chairman UG BoS (Physical Education)
  - Sri.Devakumar .K.V. is the member PG BoS (Physical Education)
  - Sri.Devakumar .K.V. is a member of the academic council of Physical Education
8. Awards / Recognitions received by faculty and students:

2015-2016					
NATIONAL					
Sl. No	Name	Event	Medal		
			Gold	Silver	Bronze
1	Arjun K	Chess	1		
2	Reshmi.V.R	Kho Kho	1		
3	Arjun K S	Power Lifting	1		
4	Vijin Krishna V T	Power Lifting Yoga	1		
5	Divya N P	Power Lifting Yoga	1		
6	Soorya K	Weight Lifting Yoga	1		
7	Bhavya N P	Power Lifting Yoga	1		
8	Jiji Peter	Yoga			1
9	Sruthi C	Yoga			1

2015-2016					
STATE					
Sl. No	Name	Event	Medal		
			Gold	Silver	Bronze
1	Vishak.R	Taekwondo			1
2	Muhammed Rashid P.K	Taekwondo			1
3	Anand Mohandas K	Taekwondo	1		
4	Vijin Krishna V T	Power Lifting	2		

2016-2017					
STATE					
Sl. No	Name	Event	Medal		
			Gold	Silver	Bronze
1	Vijin Krishna V T	Power Lifting			1
2	Sreeraj P S	Power Lifting		1	1
3	Akash Binu	Power Lifting	1		
4	Sreeraj P S	Power Lifting	1		
5	Rishiraj A	Boxing			1
6	Vaishak K	Boxing			1
7	Subin V K	Yoga	1		
8	Ribin P	Yoga	1		
9	Jithesh V V	Yoga	1		
10	Ajeesh V	Yoga	1		
11	Abhijith M	Yoga	1		
12	Roshin K	Yoga	1		
13	Jiji Peter	Yoga	1		
14	Sruthi C	Yoga	1		
15	Jyothisha K J	Yoga	1		
16	Soumya P	Yoga	1		
17	Aswathy K K	Yoga	1		
18	Vrinda T	Yoga	1		

9. List of eminent academicians and scientists / visitors to the

Department

1. Acharya Vijayaraghavan, Satyananada Yoga Research Centre
2. Acharya Unniraman, Patanjali Yoga Research Centre.
3. Sri.Vasudev Rao, Asst.Prof S-Vyasa University, Bangalore.
4. Mr.Chetana Ajith Kumar (Academic Director, Patanjali Yoga Vidya Peedam, Kochi

10. Seminars/ Conferences/Workshops organized & the source of funding

NIL

11. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NET-01

12. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

	Topic	Resource Person
Physical Education	Meditation	Acharya Vijayaraghavan, Satyananda Yoga Research Centre, Calicut.
	Patanjali Yoga Sootra	Acharya Unni Raman, Patanjali Yoga Research Centre, Calicut
	Relaxation Techniques	Acharya Vijayaraghavan, Satyananda Yoga Research Centre, Calicut.
	Misconcepts and clarification (National workshop on Yoga)	Sri.Vasudev Rao, Asst.Prof S-Vyasa University, Bangalore. Mr.Chetana Ajith Kumar (Academic Director, Patanjali Yoga Vidya Peedam, Kochi.

