

SREE NARAYANA COLLEGE
CHENGANNUR

KERALA-689508

Affiliated to the University of Kerala

NAAC REFERENCE: INSTITUTIONAL TRACK ID: KLCOGN19141

ADDENDUM

TO THE NAAC SELF STUDY REPORT

2017

SUBMITTED TO

NAAC PEER TEAM MEMBERS

FEBRUARY 2017

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PROFILE OF THE COLLEGE

Profile of the Affiliated/Constituent College

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

Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No.of students Admitted (2016-17)
Under graduate	BSc Chemistry	Six semesters	Plus two or Equivalent	English	32	32
	BSc Physics	Six semesters	Plus two or equivalent	English	24	19
	BSc Mathematics	Six semesters	Plus two or equivalent	English	32	20
	B Com	Six semesters	Plus two or Equivalent	English	29	35
	BA Economics	Six semesters	Plus two or equivalent	English	50	50
Post graduate	MSc Chemistry	Four semesters	Degree	English	10	12
	MSc Medicinal Chemistry	Four semesters	Degree	English	10	9
	MSc Physics	Four semesters	Degree	English	12	13

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

Yes	√	No		Number	3
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14. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments	UG	PG
Science	Chemistry	BSc Chemistry	MSc Chemistry
			MSc Medicinal Chemistry
	Physics	BSc Physics	MSc Physics
	Mathematics	BSc Mathematics	-
Arts	Economics	BA Economics	-
Commerce	Commerce	BCom	-

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

Annual system	Nil
Semester system	8
Trimester system	Nil

21. Qualifications of the teaching staff.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Ph.D		1	1	1	1	6	9
MPhil				1	1	1	3
PG				1	1	5	7
Total		1	1	3	3	12	20
Temporary Teachers							
PhD							
MPhil							
PG					2	13	15

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

Categories	2016-17		2015-16		2014-15		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	13	15	15	08	15	12	13	07
ST	0	0	0	0	0	0	0	0
OBC	44	76	30	85	46	81	31	76
General	09	32	20	18	16	21	10	29
Others	1	0	0	0	0	0	0	0
Total	67	123	65	111	77	114	54	112

24. Details on students enrollment in the college during the current academic year (First year admission (2016-17) :

Type of students	UG	PG
Students from the same state where the college is located	156	34
Students from other states of India	Nil	Nil
NRI students	Nil	Nil
Foreign students	Nil	Nil
Total	156	34

CRITERION I: CURRICULAR ASPECTS

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

In addition to the regular courses, the college also offers certification courses which add more value to the graduates. The prime objective is to focus on continuous education and skill up gradation. The courses are listed in the Table 1.2.1

Table 1.2.1 Certification/Skill Development courses offered by the institution

Title	Department
MS Office	Mathematics
Training Programme on Schrodinger software.	Chemistry
Tally ERP 9 certificate course	Commerce

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 beneficiary.

- Department of Chemistry conducts training in soap making for the students and the neighbouring residents.
- Women cell conducts training in flower arrangement, pot decoration and vegetable carving for female students.
- Jewelry making is conducted by NSS.

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

The Legal Literacy Cell and Grievance and Redressal Cell conducted the annual programme and counselling on the prohibition of dowry giving special emphasis to Prohibition of Dowry Act 1961. The programme started with the class conducted by Sri L. Rajan, Regional Dowry Prohibition Officer of Social Justice Department Govt. of Kerala. He led a comprehensive class on the Dowry Prohibition Act of 1961. He argued that the present law should be rescheduled to match with the contemporary scenario. Adv. Lijo Roy, the counsellor of Social Security Department and Kerala Legal Services Authority, stressed the need for counseling the society against dowry.

World Environment Day-23rd June 2015- Joint venture by Bhoomitrasena Club, Science Club & Sports Club in association with KSCSTE. An environment awareness programme was organized by incorporating students of neighboring schools. In response to the call for the competition declared in connection with the World Environment Day celebrations, a large number of students from the neighboring schools did a remarkable job in cleaning and desilting of nearby ponds and wells. The humble yet productive activity done by them were recorded and presented with the aid of photographs and videos in the college auditorium on 23rd June 2015. The function was inaugurated by Prof. K. P. Mathew (Formerly faculty of Physics from S N Colleges). Smt. Priya Jacob, Principal, Metropolitan HSS, Puthencavu, delivered the keynote address. Students of DBHSS, Cheriyanadu, who had cleaned and desilted a pond near to their school, secured the Ist prize. SN trust HSS, Ala, secured the IInd prize. Metropolitan HSS secured the IIIrd prize.

International Ozone Day 2015: The NSS unit of the college, Science Club, Department of Physics and Bhoomitrasena Club observed International Ozone Day by planting siblings on 16th September 2015 in the campus to reduce the effect of greenhouse gases and to maintain sustained environment harmony. The programmes were supported by the Kerala State Council for Science Technology and Environment (KSCSTE), Government of Kerala. The programs primarily targeted students, to create awareness on taking constructive measures to protect the ozone layer and how every individual can contribute to conserve environment. Multifarious programmes were arranged to create awareness on preservation of ozone layer among students. Dr. K. Shiny Sreedhar, Principal urged the importance of planting trees and insisted every student to plant a tree that day in their home yard. We also conducted interdepartmental and intercollegiate slideshow and elocution competitions on 5th and 6th October 2015 to create awareness on this year's theme, '30 years of healing the ozone together'. Cash awards of Rs1500 and Rs1000 were given to the top two winners of the intercollegiate competitions.

A one-day seminar and awareness programme was organized on 7th October 2015. Dr. R. Raveendran, Principal, Sree Narayana College, Varkala inaugurated the seminar and delivered the inaugural address. The technical session started with the plenary talk on "30 years of healing the Ozone together" by Dr. R. Raveendran. He spoke on the mysteries in the Universe and the limitations in science to capture it. He also stressed the significance of preserving ozone and conservation of ecosystem. Following his talk, Ms. Revathy Mohan, II B.Sc. Physics, presented her slides on "Ozone protection: A walk through history". Dr. E. Shaji, Assistant Professor, Department of Geology, University of Kerala delivered a talk on 'Water Resources Management'. In his talk he gave a detailed description on the water bodies in Kerala and the significance of water sheds. He described the methods of preserving and harvesting of water with illustrations.

Department of Commerce along with the Human Rights forum organized a one day seminar on the "Human Rights" on 5th February 2016. Dr. Sivadasan, a noted human rights activist and teacher, stressed the importance of the word "right" which means entitlement. The right holder has a special right to enjoy her right. Non fulfillment of a right does not

mean that the right does not exist, but what is lacking there is the knowledge of and means to get it materialized. He also reminded the audience that in case of any violation the responsibility naturally falls on the state to take measures for the realization of these rights. Though there are national and state Human Rights Commissions the violations or denial knowingly or unknowingly is a stark reality. A workshop on 'Soaps and Detergent Making' by Sri Sunil Kumar was organized by Bhoomitrasena Club & Science Club jointly on 25th January 2016. Interdepartmental debate, essay and elocution competitions were organized on 13th Jan 2016.

A seminar on 'Cyber Threats for School students' was conducted by Mr. Anchu Shobhan, Department of Chemistry and 'Energy Conservation' by Dr. V. L. Pushpa, Department of Chemistry on 27th Jan 2016.

National Science Day Celebrations-2016

Department of Chemistry and Science Club organized National Science Day on 24th and 25th February 2016. On this occasion Prof. Dr. D. Kuruvilla Joseph, Senior Professor and Head, Department of Chemistry, Indian Institute of Space Science and Technology, Thiruvananthapuram was the chief guest. Over 200 students and accompanying teachers from the nearby schools participated in the programme. The competitions included Quiz and Debate competition. On 24th February, 2016 first lecture was on 'India's role in Space Exploration' by Dr. Kuruvilla Joseph. This was followed by 'Student Scientist Interaction Programme' in the afternoon thereby, clearing the doubts of students.

A quiz and debate competitions in the theme of 'Make in India: S & T driven innovations'. In each of them, after due evaluation, the teams were selected for first, second and third prizes.

SCIENCE EXHIBITION –‘SPECTACLE OF SCIENCE’

Science Exhibition was organized on 25th February 2016 in which UG and PG students from the Department of Chemistry, Physics and Maths presented their exhibits. The exhibition was inaugurated at the hands of Dr. Kuruvilla Joseph.

WORLD OZONE DAY 2016, 22nd & 23rd September 2016

The 22nd International Day for Preservation of Ozone Layer was observed under the auspices of Kerala State Council for Science Technology and Environment (KSCSTE), Government of Kerala. The programme was organized by the Department of Physics, Science Forum and Bhoomitrasena Club. Multifarious programmes were conducted to create awareness on preservation of ozone layer among the students. Interdepartmental and intercollegiate slideshow and elocution competitions were conducted on 20th and 22nd September 2016. Cash awards of Rs.1500 and Rs1000 were given to the top two winners of the intercollegiate competitions in both competitions.

A one-day seminar and awareness programme was organized on 23rd September 2016. Dr. V. Madhu, Assistant Professor, Department of Atmospheric Sciences, School of

Marine Sciences, Cochin University of Science and Technology, Kochi inaugurated the function and delivered the inaugural address. Interdepartmental slideshow and elocution competitions were conducted on 20th September 2016 to create awareness on this year's theme, **“Ozone and Climate Change: Restored by a World United”**. Intercollegiate competitions were conducted on 22nd September 2016. Besides our students, students from S. N. College, Kollam, S. N. College, Punalur, MSM College Kayamkulam, Bishop Moore College Mavelikkara, Christian College, Chengannur participated in the competitions.

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

Sree Narayana studies forum organized a seminar on **“Messages of the great sage Sree Narayana guru”**. Former Assistant Secretary of S.N.D.P Yogam and principal of Sree Narayana Guru College of advanced studies Prof. C. M. Lohithan inaugurated the function. The great sage was remembered as the social reformer who made all out efforts to get rid of the caste supremacy prevalent in Kerala. He also promoted new values of spiritual freedom and social equality. Guru taught the oppressed class the need to liberate themselves through education and unity. His revolt against liquor and toddy through his teaching became a role model for the people, all over the world.

The **Harassment Prevention Cell** organized an awareness programme on **“Value Education”** on 27th Oct 2016 for the first year degree students .Sri. Subhash Raghavan, Senior Statistical Officer, National sample Survey Office, Kozhikode inaugurated the meeting and gave an awareness programme on value education.

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

Table 1.4.1: New programmes introduced in the last four years

Sl. No	Academic year	Course introduced	Department	Sanctioned intake
1.	2014-15	BSc Mathematics	Mathematics	32
2.	2013-14	MSc Physics	Physics	12
3.	2012-13	MSc Medicinal chemistry	Chemistry	10

CRITERION II: TEACHING, LEARNING AND EVALUATION

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

Table 2.1-1 Minimum and maximum percentage of marks at entry level.

Programmes	2015-16		2016-17	
	Minimum marks	Maximum marks	Minimum	Maximum
BA Economics	60%	89%	62%	87%
BSc Chemistry	65%	90%	50%	90%
BSc Physics	60%	89%	58%	93%
BSc Mathematics	56%	88%	55%	88%
B.Com	54%	87%	43%	86%
MSc Physics	55%	83%	73%	85%
MSc Chemistry	55%	86%	57%	85%
MSc Medicinal Chemistry	56%	87%	60%	83%

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

Table 2.1.4 Trend of Admission in UG and PG Programme for last four years

Programmes	2013-14		2014-15		2015-16		2016-17	
	Sanctioned intake	Admitted	Sanctioned intake	Admitted	Sanctioned	Admitted	Sanctioned	Admitted
BA Economics	50	56	50	58	50	46	50	50
BSc Chemistry	32	26	32	26	32	20	32	32
BSc Physics	24	11	24	17	24	19	24	19
BSc Mathematics	-	-	32	18	32	21	32	20
B Com	32	30	32	30	32	31	32	35
MSc Physics	12	12	12	16	12	15	12	13
MSc chemistry	10	13	10	10	10	13	10	12
MSc Medicinal Chemistry	10	10	10	10	10	9	10	9

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.

Table 2.4.1.Faculty distribution in different cadres.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
Ph.D		1	1	1	1	6	10
M.Phil				1	1	1	3
PG				1	1	5	7
Total		1	1	3	3	12	20
Temporary teachers							
Ph.D							
MPhil							
PG					2	13	15

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

Academic staff development programme	Number of faculty nominated
Refresher course	04
HRD Programmes	01
Summer/Winter schools, Workshops	01
Orientation programme	04
Staff training conducted by University	03 (2 FLAIR)

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

Table 2.6.1 University pass percentage for the past five years

Departments	2012	2013	2014	2015	2016
UG					
Chemistry	36	86.67	26.67	34.6	21.0
Commerce	83.33	93.33	66.67	96.67	59.14
Economics	40.0	38.0	42.0	35.0	38.0
Physics	61.9	72.0	38.0	11.1	20.0
PG					
Chemistry	100	33	76.9	66.6 (6 th ,University rank)	67
Medicinal Chemistry	-	-	80 (1 st Uty rank,)	70 (1 st ,University rank)	80
Physics	-	-	-	75	87

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

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 list of members of the research council is given in Table 3.1.1

Table 3.1.1 Constitution of Research Council (2016-17)

No.	Name	Faculty	Capacity
1.	Dr K Shiny Sreedhar	Principal	Convener
2.	Dr Rema Devi B	Chemistry	Coordinator
3.	Dr M.S.Latha	Chemistry	Member
4.	Dr K Sreelatha	Physics	Member

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.

Table 3.1.2. Faculty guideship and number of Ph.D produced

S No.	Name of the Guide	Subject	Name of Scholar	Status
1.	Dr K Shiny Sreedhar	Zoology	Ms Ampili M Ms Sangeetha S T Ms Asifakhpoir	Awarded Ongoing Ongoing
2.	Dr. M S Latha	Chemistry	Ms Geetha P Ms Jolly A Ms Deepa Ms Rekha Ms Anju	Awarded Ongoing Ongoing Ongoing Ongoing

Table 3.1.3. Faculty members engaged in Ph.D research work

Department	Faculty	Area of Research	Status
Commerce	Smt Thushara U S	Human resource management	Ongoing
Physical Education	Smt Shereen K	Ageing and physical fitness	Ongoing
Economics	Sri S. R. Rajeev	Economics	Ongoing
Chemistry	Smt Jisha Sreedharan	Coordination Chemistry	Ongoing
	Dr Sheela S Fernandez	Polymer Chemistry	Awarded(2016)

Table 3.1.4 Leading individual/collaborative research projects

Department	Faculty	Title of the project	Amount	Funding Agency	Status
Physics	Dr K Sreelatha	Development of Conducting Polymer Blend Complex Films for Optoelectronic Device Application	Rs 5 lakh	UGC	Ongoing
Chemistry	Dr M S Latha	Preparation and Evaluation of Dendrimeric Nanosystem for Drug Delivery Applications	Salary+ Rs 3 lakh contingency	UGC	Completed
	Dr Rema Devi B	Synthesis of spiroxindol	Rs 4,20,000	UGC	Ongoing
	Dr Reshmi R	Green Synthesis of nanoparticles, Their characterization and applications	Rs 4,90,000	UGC	Ongoing
	Dr Anju K S	Synthesis of <i>meso</i> -pentafluorophenyltetr aphyrin[2.1.1.1] and related studies on the coordination and aromatic properties	Rs 4,80,000	UGC	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 imbining research culture among the staff and students.

Table 3.1.5. Training programmes/workshops organized by the various departments in the past five years.

Title	Year	Funding agency	Total outlay
Computer aided drug designing	2011	UGC and KSCSTE	Rs 1,70,000
Gender issues and women empowerment	2012	NHRC	Rs 50,000
Sustainable development- Challenges and Opportunities	2013	UGC	Rs 1,30,000
Rights of the children: An Introspection	2014	NHRC	Rs 50,000

Molecular modeling and computational Chemistry	2014	UGC	Rs 1,40,000
Women and Cyber 'World - Imminent threats and Innovation	2015	UGC	Rs 1,35,000
New Frontiers in Nanotechnology and Material Science	2015	KSCSTE	Rs 20,000
National Seminar on 'Machine Learning Approaches, New Trends in Quantum Mechanics' and 'Hands on Training programme'.	2015	UGC	Rs 1,50,000
National science day	2015	KSCSTE	Rs 15,000
International Ozone day observation	2015	KSCSTE	Rs20,000
National science day	2016	KSCSTE	Rs 15,000
International Ozone day observation	2016	KSCSTE	Rs20,000

Seminars/Invited Talks organized by various departments during 2016-17

Title	Year	Department
Work shop on sales Tax practice	2016	Commerce
"Application of nanotechnology"	2016	Chemistry
Invited Talk on "Statistical Thermodynamics"	2016	Chemistry
Seminar on "Molecular modeling"	2016	Chemistry
Seminar on "The journey of medicine from lab to shelf"	2016	Chemistry
Invited Talk on Management of hazardous waste"	2016	Chemistry
Invited talk on " Group Theory"	2017	Chemistry
Invited talk on 'Ozone and Climate'	2016	Physics
Invited talk on ' National Institutes'	2016	Physics
Invited talk on 'Value Education"	2016	Physics

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

Department	Faculty	Title of the project	Amount	Agency	Status
Physics	Dr K Sreelatha	Development of Conducting Polymer blend Complex Films for Opto electronic Device Application	Rs5 lakh	UGC	Ongoing
Chemistry	Dr M S Latha	Preparation and Evaluation of Dendrimeric Nanosystem for Drug Delivery Applications	Salary+ Rs 3 lakh contigency	UGC	Completed
	Dr Rema Devi B	Synthesis of spiroxindol	Rs 4,20,000	UGC	Ongoing
	Dr Reshmi R	Green Synthesis of nanoparticles, Their characterization and applications	Rs 4,90,000	UGC	Ongoing
	Dr Anju K S	Synthesis of <i>meso</i> -pentafluorophenyltetraphyrin[2.1.1.1] and related studies on the coordination and aromatic properties	Rs4,80,000	UGC	Ongoing

3.4.3 Give details of publication by faculty and students. (last 5 yrs)

International Journals	National Journals	Proceedings
Faculty		
56	20	103

3.4.4 Provide details (if any) of Research awards received by the faculty and recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally.

Dr. M.S. Latha is a U.G.C post doctoral research award winner (2013-2015).

3.5 Consultancy

3.5.4. List the broad areas and major consultancy services provided by the institution and the revenue generated.

Area	Income generated
Tax Consultancy	Free service
Training in Schrodinger software	2015-16: Rs 2500 2016-17: Rs 8000

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

The details of the various extension and outreach programmes are as follows:

- **Yoga training Programme:** Yoga training programme of one month duration is conducted for students, teaching, nonteaching staff and neighbouring residents.
- **Physical fitness programme:** An awareness regarding healthy life is made available to teaching, non-teaching, students and neighbouring residents by recording Body mass index (BMI).
- **Water analysis:** Water analysis is conducted in and around Cheriyanad panchayat by department of Chemistry.
- **Training in Soap making:** Training in the soap making is conducted for students and nearby residents.
- **Tax consultancy**
- SPSS training
- Data analysis

NSS ACTIVITIES:

- **Honesty Store:** It is an unmanned store to provide stationary items, tea and coffee.
- Adoption of an area comprising of 400 residents in the neighborhood of the college, A Survey of health, education and status of living of the people was done. And provided palliative care and financial support to three elderly people, identified with cancer and other serious disease.
- Efforts were also directed towards conservation of water resources in the campus and nearby places.
- Efforts were taken to conserve and utilize locally available medicinal plants.
- A campaign for **tobacco free campus**.

- **HarithaKerala:** Awareness programme and rally for the necessity of environment protection was organized.

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

Details of national conferences and eminent personalities visited the campus and contributed during the 2015-17 are tabulated.

Date	Name and address of the eminent researchers.	Activity	Event
4 th and 6 th August 2015	Dr Ajay Ghosh, Director, NIIST, TVM	Keynote address	National seminar on “Machine Learning Approaches, New Trends in Quantum Mechanics’ and ‘Hands on Training programme”
	Dr Neeraj Naithani, Scientist, VSSC, TVM	Resource Person	
	Dr Vijay H Masand, Assistant Prof. Vidyabharathi College, Maharashtra.	Resource person	
	Dr Shibi I G. Assistant Prof. S N College, Chempazhanthy, TVM	Resource person	
	Dr Prithesh Bhat Scientist, Schrodinger Inc, Bangalore	Resource Person	
	Dr Devadas Mahajan, Assistant Prof. Vidyabharathi College, Maharashtra	Resource Person	
	Dr B Jayasree, Assistant Prof in Chemistry, University of Kerala, TVM	Resource Person	
	Dr Girinath G Pillai Marie Curie Research Fellow, Estonia, UK.	Invited Talk	
17th and 18th Feb 2017	Upcoming National Seminar		

CRITERION IV: INFRASTRUCTURE AND LEARNING

RESOURCES

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, students/user friendly?

The College Library Advisory Committee is constituted with the following members.

Coordinator	Dr P R Rejikumar	Dept of Physics
Member	Dr Shree Renjini	Dept of Hindi
	Dr Anju K S	Dept of Chemistry
	Smt. Aswathy Raj	Dept of English

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

Library holdings	Total Nos.
Text Books	7010
periodicals	07
journals	14
Newspapers	05

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

- The e-resource package N-List is made available through the hyperlink, <http://nlist.inflibnet.ac.in/>
- Library automation: Yes
- Total number of computers made available: Two
- Total number of Printers: One
- National Digital Library (MHRD)
- Amritha Virtual Lab

CRITERIA V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

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?

GOVERNMENT SCHOLARSHIP (2011-16)		
NAME OF THE SCHOLARSHIP	NO.OF STUDENTS	AMOUNT
Suvarna Jubilee (2011-12)	8	85000
Aspire Scholarship(2011-12)	1	8000
Total		13000
Suvarna Jubilee (2012-13)	9	90000
Univeristy Merit scholarship(2012-13)	1	3000
Aspire Scholarship(2012-13)	1	4000
Total		97000
Suvarna Jubilee(2013-14)	6	65000
Univeristy Merit scholarship(2013-14)	1`	6000
C.H Muhammed koya merit Scholarship(2013-14)	2	10000
Total		81000
Suvarna Jubilee(2014-15)	2	25000
C.H Muhammed koya merit Scholarship(2014-15)	3	15000
Total		40000
Snehapoorvam Merit Scholarship(2015-16)	3	30000
Suvarna Jubilee (2015-16)	4	40000
Total		70000
Grand Total		261000

Number of students availing E-grants

Scholarship Details	15-16	16-17
Commerce		
E grants	73	83
Chemistry		
E grants	66	78
Physics		
E grants	70	50
Economics		
E grants	39	49
Mathematics		
E grants	30	47

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

The Career Guidance and Placement Cell arranges periodic career guidance and personality development programmes. The major recruiters are from Banking and Finance, Automobiles, IT, Indian Army etc.

A Career guidance programme was held on 16th Sept 2015 for the final year B.com students by LOGIC School of Management, Kochi.

Campus recruitment by S S Hyundai was held on 22nd September 2015 for the post of sales officer, Front Office Staff, Customer relation executive and management trainee.

The Kerala University organized the Campus Recruitment on 15.10.2015 in the Senate Hall campus for Boys only. Training Programme to make students job-ready and life-ready was Organized by ALTIUS, an initiative of World Malayalee Council, intends to impart quality training to students of various colleges to groom them to be 'Globally Competent and Socially Committed' leaders of tomorrow. The training programme for students was held on 31st Oct 2015 at Bishop Moore College, Mavelikara.

A Recruitment drive by Tata Consultancy service for BSc Physics was conducted on 25th Nov 2015 at SreeNarayana Institute of Technology, Kollam.

A seminar on Career guidance programme in association with department of chemistry was held on 18th December 2015 for postgraduate Chemistry students by Dr. Sam Kunchandy, Department of Chemistry, San Jacinto College, New York, US.

The Campus recruitment for the post of Sales and Distribution with ICICI prudential was held on 6th Jan 2016. The hard work and efforts put in for the placement proved to be fruitful as four of the appearing students got short listed for employment.

A One day seminar on computer literacy and Job opportunities was conducted by Infozia, Institute of management and Technologies, Chengannur on 20th January 2016.

A Career counseling programme on Cost and Accountancy management course for B com final year students was conducted by Sri Sujith Mathew (CA) and K.B.M .Nair, The Institute of Cost Accountants of India for B Com students in the afternoon on 23-02-2016.

A career guidance programme by T.I.M.E Pvt limited, Mavelikara was conducted on 1/9/2016 for the final year BA, BSc and B.Com students by Mr Varun and Mr Pradeep. A career guidance programme by Phoenix training Academy, Kochi was conducted on 8th Sept 2016 for BA and BCom final year students, Ms Jincy Joseph was the speaker for the programme.

Training Programme to make students job-ready and life-ready was organized by ALTIUS at Leo XIII HSS, Alappuzha. A career guidance programme by G Tec computers ,Chengannur was conducted on 14th Jan 2017 for the final degree students.

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

A student welfare unit has been constituted to take into the academic and nonacademic issues of needy students. A fund is also constituted for the students by the unit. Following are the welfare schemes available:

- Mitrajyothi: Mid day meal for needy students by dept of chemistry.
- Vidhyajyothi: Providing reference books, contributed by teachers of dept of chemistry
- Teachers sponsor the tuition fees of needy students

5.2 Student Progression

5.2.1 Provide the percentage of students progressing to higher education or employment.

Table 5.2.1 Student progression in various departments in percentage

Student progression (%)	Year of pass out	
	2015	2016
Chemistry		
UG to PG	14	17
PG to M.Phil	10	-
PG to PhD/Research assistant	20	-
Employed through campus selection	Nil	Nil
Employed other than campus recruitment	36	30
Physics		
UG to PG	25	20
PG to MPhil	-	-
PG to PhD/Research assistant	-	-
Employed through campus selection	Nil	Nil
Employed other than campus recruitment	50	40
Commerce		
UG to PG	29	34
Employed through campus selection	12	Nil
Employed other than campus recruitment	40	45
Economics		
UG to PG	6	2
Employed through campus selection	Nil	Nil
Employed other than campus recruitment	40	30

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

Table 5.2.2: Pass Percentage for the year 2015 and 2016.

UG Programme	Year of passout	
	2015	2016
Chemistry	34.6	21.0
Commerce	96.6	59.14
Economics	35.0	38.0
Physics	11.1	20.0
PG Programme		
Chemistry	66.6	62.0
Medicinal Chemistry	70.0	80.0
Physics	75.0	87.0

Table 5.2.3: Position in University

PG Programme	2015	2016
MSc Chemistry	6 th rank	Nil
MSc Medicinal Chemistry	1 st and 2 nd rank	1 st and 2 nd rank

5.3.1. List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and programme calendar. Details of Participation and achievements during the year 2015-16.

- Mr. Vipinkumar of I MSc Physics won 2nd Prize for Percussion Instrument – eastern style in Kerala University Youth Festival 2016.
- Ms. SahanaSaj of III BSc Chemistry won A Grade for Bharathanatyam, Kuchippudi and Mohiniyattm in the Kerala University Youth Festival 2016.
- Ms. SahanaSaj of III BSc Chemistry won 2nd prize for Light Music in the All Kerala Inter collegiate competitions organised by YMCA.
- Ms. Reshma R of IIIrd Year BSc Chemistry won IIIrd prize for Light Music in the All Kerala Inter collegiate competitions organised by YMCA.
- Ms. Shyama Rajeev of IIIrd BSc Physics won IIIrd prize for English Elocution in the All Kerala Inter collegiate competitions organised by YMCA on 06-02-2016.

- Ms. Shyama Rajeev of III BSc Physics won 1st prize for English Essay writing in the Inter collegiate competitions organised by SreeAyyappa College, Thiruvandoor, as a part of National Science Day Celebrations on 20-02-2016.
- Ms. Sruthy P of III BSc Physics won 1st prize for Malayalam Essay writing in the Inter collegiate competitions organised by Sree Ayyappa College, Thiruvandoor, as a part of National Science Day Celebrations on 20-02-2016.
- Ms. Vidya V of IIIrdBSc Physics won 3rd prize for Malayalam Essay Writing in the Inter collegiate competitions organised by Sree Ayyappa College, Thiruvandoor, as a part of National Science Day Celebrations on 20-02-2016.
- Ms. Shyama Rajeev, Ms. Sruthy P & Mr. Sherin A S of III BSc Physics won II prize for Debate in the Inter collegiate competitions organised by Sree Ayyappa College, Thiruvandoor, as a part of National Science Day Celebrations on 20-02-2016.
- Mr. Sreejith S of I MSc Physics and Mr. Sreejith P of I MSc Chemistry – the Team representing Sree Narayana College ,Chengannur won 1st Prize for the Inter Collegiate Quiz organized by MSM College, Kayamkulam, as a part of National Science Day Celebrations on 24-02-2016.
- Ms. Shyama Rajeev of III BSc Physics and Ms. Arya Mol B of I MSc Chemistry – the Team won 1st Prize for the Inter Collegiate Power point presentation competition organised by MSM College, Kayamkulam, as a part of National Science Day Celebrations on 24-02-2016.
- Ms. Revathy Mohan of II BSc Physics won 1st Prize for the Inter collegiate Power point presentation competition organised by Bishop Moore College, Mavelikkara, as a part of National Science Day Celebrations on 23-02-2016.
- Ms. Arya Mol B of I MSc Chemistry won 2nd Prize for the Inter collegiate power point presentation competition organized by Bishop Moore College, Mavelikkara, as a part of National Science Day Celebrations on 23-02-2016. Sri
- Jayasurya of I B Com student was selected for the Kerala University Kabaddi team.
- Stabin S of Final BA Economics and Sanju R of I BA Economic student was selected as the best Male Athletes of the College. Both of them won the Cash prize of V K John Memorial Endowment.
- Ms. Maheshwary A B was selected as the best Female athlete of the College and won the cash prize of V K John Memorial Endowment.
- Mr. Sreejith I MSc Chemistry and I MSc Physics won 1st Prize in the in quiz competition organized by M.S.M college Kayamkulam.
- Mr. Suraj II BSc Chemistry won 4th prize in the quiz competition organized by YMCA Thiruvalla.
- N.S.S Volunteers, Mr. Govardhanan and Mr. Rohith R attended three day Volunteer leadership Training camp held at Govt. College, karyavattom.
- Ms. Chinchu R. Babu, II B.Sc. Physics, and Ms. Revathy Mohan, III B.Sc. won second places in the intercollegiate elocution and slide show competitions organized in connection with the International Ozone Day 2016 at SreeNarayana College Chengannur.

- A workshop on the “Importance of yoga” followed by training was given to students on 19th June 2016 conducted by NSS and the Health club. Smt Valsala, Instructor, Art of living guided the yoga practice.
- Mr. Atoll V S III Bask Physics secured 3rd position in District Judo Championship-2016
- Mr Anandu K Scathes, IBA secured Bronze medal in hammer throw in the inter collegiate meet of Kerala University Dec 2016.
- Mr Sharathkumar S. I BA secured 1st in the 55Kg category, Body building champion conducted by Kollam District Body Builders association, 15th Jan 2017.
- Mr Sharathkumar S. I BA secured 3rd prize in the 55Kg category, Body building and Fitness association, 17th Dec 2016.

DEPARTMENT EVALUATIVE REPORTS

DEPARTMENT OF CHEMISTRY

9. Number of teaching posts

Teaching post	Sanctioned	Filled
Professor	Nil	Nil
Associate Professor	1	1
Assistant Professor	5	5

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

Serial No.	Name	Qualification	Designation	Specialization	Experience	Students guided for last 4 years
1	Dr Latha M.S.	MSc, PhD	Assistant Professor	Medicinal Chemistry	21yrs	PhD:6 MSc:18
2	Dr Sheela S Fernandez	MSc, MPhil, PhD	Associate Professor	Polymer Chemistry	20yrs	MSc:12
3	Dr RemaDevi B.	MSc, PhD	Assistant Professor	Organic Chemistry	6yrs	MSc:8
4	Smt. JishaSreedharan	MSc. MPhil	Assistant Professor	Inorganic Chemistry	6yrs	MSc:8
5	Dr Anju K. S.	MSc, PhD	Assistant professor	Organic Chemistry	6yrs	MSc:8
6	Dr Reshmi R	MSc, PhD	Assistant Professor	Physical Chemistry	5yrs	MSc:8
7	Smt Aryaja	MSc	Guest Faculty	Organic Chemistry	6months	NA
8	Smt Nayanamohan	MSc	Guest Faculty	Medicinal Chemistry	6 months	NA

16. Qualifications of teaching faculty with DSc/D.Litt./Ph.D/MPhil/PG

Qualifications	No.
PhD	5
MPhil	1
MSc	2

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

No.	Name of Faculty	Title of Project	Funding agency and year	Amount received in lakhs
1.	Dr Remadevi B	Synthesis of spiroxindol	UGC, 2016	Rs 420000
2.	Dr Reshmi R	Green Synthesis of nanoparicles, Their characterization and applications	UGC, 2016	Rs 490000
3.	Dr Anju K S	Synthesis of <i>meso</i> -pentafluorophenyltetraphyrin[2.1.1.1] and related studies on the coordination and aromatic properties	UGC, 2016	Rs 480000

19. Publications

Number of Publications by Faculty (Past five years)

Refereed journals	18
Conferences/work shop	29

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards

- All the faculties are members of Academy of Chemistry teachers.
- Dr Reshmi R is a FLAIR Intern of the 2014-15 batch.
- Dr M S Latha is the member of American Chemical society,
- Dr M S Latha is a member of International society for Computational biology.
- Dr M S Latha is a member American association of cancer research for 2 yrs.

22. Student Projects

a)Percentage of students who have done in-house projects including interdepartmental / programme

UG: 100%

PG (2015-2016): 80%

b)Percentage of students placed for projects in organizations outside the institution.

PG (2015-16) : 20%

23. Awards/Recognitions received by faculty and students:

- **Dr Sheela S Fernandez** was awarded PhD in the year 2016.
- **Mr. Anchu Shobhan** secured **Ist Rank** in Masc. Medicinal Chemistry of the Kerala University in 2015.
- Ms Radhika R secured 2nd rank in M.Sc Medicinal Chemistry of the Kerala University in 2015.
- **Ms Aswathy** secured **6th Rank** in Masc. Chemistry of the Kerala University in 2015.
- **Ms Athira M Nair** secured Ist Rank in M.Sc Medicinal Chemistry of the Kerala University in 2016.
- **Sangeeth Krishnan J B** secured 2nd Rank in M.Sc Medicinal Chemistry of the Kerala University in 2016.

24. List of eminent academicians and scientists/visitors to the department

Academic year	Date	Visitors name and Address
2015-16	4 th to 6 th August 2015	Dr Ajay Ghosh, Director, NIIST, TVM
		Dr Neeraj Naithani, Scientist, VSSC, TVM
		Dr Vijay H Masand, Assistant Prof. Vidyabharathi College, Maharashtra.
		Dr Shibi I G. Assistant Prof. S N College, Chempazanthy, TVM
		Dr Prithesh Bhat Scientist, Schrodinger Inc, Bangalore
		Dr Devadas Mahajan, Assistant Prof. Vidyabharathi College, Maharashtra
	18-12-15	Dr Sam Kunchandy, Dept of Chemistry, San Jacinto College, Central Pasadena, Texas, US
	15-12-15	Prof. A Sudharma Prof. & Head PG Department of Buddha College of Teacher Education, Former Dean & Director Pedagogical Sciences, MG University.
	1-03-16	Dr Nandakumar Kalarikkal Joint Director, International and Interuniversity Centre for Nano Science and Nano Technology, M G University Kottayam

	01-03-16	Dr.Sabu Thomas Joint Director, International and Interuniversity Centre for Nano Science and Nano Technology, M G University Kottayam
2016-17		
	14-7-16	Dr Joice Thomas Post doctoral research associate, University of Leuven, Belgium.
	15-10-16	Dr S. Sugunan Retd Prof Dept of Applied Chemistry CUSAT
	19-11-16	Dr Vipin Ipe Thomas Associate Prof. Dept of Chemistry CMS College Kottayam
	19-11-2016	Dr Jinu John Dept of Bio technology CMS College , Kottayam
	9-01-2017	Dr Salahuddin Kunju Retd Professor University College, Trivandrum

25. Seminars/Conferences/Workshops organized & the source of funding

Year	Seminars/conferences	Title	Sources of funding
2015-16	National Seminar	National seminar on “Machine Learning Approaches, New Trends in Quantum Mechanics’ and ‘Hands on Training programme”	UGC

2016-17	National Seminar (upcoming)	Nanomedicine: Current scenario and future opportunities	KSCSTE
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26. Student profile programme /course wise

(i) UG Programme

Academic year	Applications received	Enrolled		Total
		Male	Female	
2015-16	Online allotment prepared by the University of Kerala	5	17	22
2016-17		12	20	32

(ii) PG Programme

Academic year	Applications received	Enrolled		Total
		Male	Female	
2015-16	Online allotment prepared by the University of Kerala	4	18	22
2016-17		2	19	21

(iii) Students pass percentage

Programme	2015	2016
BSc Chemistry	35.14%	21%
MSc Chemistry	66.6%	62%
MSc Medicinal Chemistry	70%	80%

29. Student progression

Student progression	2015	2016
UG to PG	14%	17%
PG to PhD/Project assistant	10%	-
Employed Off Campus	36%	30%

31. Number of students receiving financial assistance from College, University, government or other agencies

UG	Year	
	2015-16	2016-17
Name of the scholarships		

E grants from the govt of Kerala	52	61
PG		
E grantz from the govt of Kerala	14	17

34. Participation in Institutional social responsibility and extension activity.

Extension Activity:

- Training in **soap making** for the students and neighbouring residents.
- **Water analysis** in and around Cherianad gram panchayat

Best practices:

- “**Vidyajyothi**” started in the year 2015, It’s a collection of books donated by staff for the benefit of UG and PG students.
- “**Mitrajyothi**” started in the year 2015, Staff provides free meal for student with financial difficulties.

Innovative Programmes

- Training in Schrodinger software
- MSc outreach programme: Screening of Phytochemicals in medicinal plants around cherianadu gram panchayat using Schrodinger software.

DEPARTMENT OF PHYSICS

9. Number of teaching posts

Teaching post	Sanctioned	Filled
9	4	3

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

Serial No.	Name	Qualification	Designation	Specialization	Experience
1	Dr. P.R. Rejikumar	M.Sc, Ph.D	Associate Professor	Electronics	26yrs
2	Dr. K. Sreelatha	M.Sc., M.Ed. ,Ph.D	Assistant Professor	Astrophysics	12yrs
3	Smt.AmruthaSasidharan	M.Sc	Assistant Professor	Electronics	4yrs
4	Athira M. Vijayan	M.Sc. (Electronics & Physics)	Guest Faculty	Electronics	8 months
5	Shamily P.	M.Sc, B.Ed.	Guest Faculty	Electronics	8 months
6	Arya Raveendran	M.Sc.	Guest Faculty	Electronics	8 months
7	Sreerexha B	M.Sc., B.Ed	Guest Faculty	Electronics	8 months
8	Prasanth G. Nair	M.Sc., B.Ed.	Guest Faculty	Electronics	8 months

1. Qualifications of teaching faculty with DSc/D.Litt./Ph.D/MPhil/PG

Qualifications	No.
PhD	2
MPhil	-
MSc	6

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

No.	Name of Faculty	Title of Project	Funding agency And Year	Amount received in lakhs
1.	Dr.K.Sreelatha	Development of Conducting Polymer Blend Complex Films for Optoelectronic Device Application	UGC 2015-16	Rs 50,0000

19. Publications

Number of Publications by Faculty(last5 years)

Publications	
Refereed journals	38
Conferences	-32

Number of Publications by Students

Publications	2015-16
Refereed journals	-
Conferences	03

22. Student Projects

a)Percentage of students who have done in-house projects including interdepartmental / programme

UG: 100%

b)Percentage of students who have done in-house projects including interdepartmental / programme

PG (2015-2016): Nil

PG: (2016-17) 20%

c) Percentage of students placed for projects in organizations outside the institution.

PG (2015-16) :100%

23. Awards/Recognitions received by faculty and students:

- Dr K Sreelatha delivered an invited talk in the Conference of light Optics – 17 organized by dept of Physics, NIT Calicut from 9 to 11 January 2017.

- Ms. Shyama Rajeev of III BSc Physics and Ms. Arya Mol B of I MSc Chemistry – the Team representing Sree Narayana College, Chengannur won I Prize for the Inter Collegiate Power point presentation competition organised by MSM College, Kayamkulam, as a part of National Science Day Celebrations on 24-02-2016.
- Ms. Revathy Mohan of II BSc Physics won Ist Prize for the Inter collegiate Power point presentation competition organised by Bishop Moore College, Mavelikkara, as a part of National Science Day Celebrations on 23-02-2016.
- Ms. Chinchu R. Babu, II B.Sc. Physics, and Ms. Revathy Mohan, III B.Sc. Physics won second places in the intercollegiate elocution and slide show competitions organized in connection with the International Ozone Day 2016.

24. List of eminent academicians and scientists/visitors to the department

Academic year	Visitors name and address	Date
2015-16	Dr R Raveendran Principal SN College Varkala	7 th Oct 2015
	Dr. E. Shaji, Assistant Professor, Department of Geology, University of Kerala	7 th Oct 2015
2016-17 2015-16	Dr. V. Madhu Assistant Professor, Department of Atmospheric Sciences, School of Marine Sciences, Cochin University of Science and Technology, Kochi	23 rd Sept 2016
	Dr. V. Madhu Assistant Professor, Department of Atmospheric Sciences, School of Marine Sciences, Cochin University of Science and Technology, Kochi	23 rd Sept 2016
	Dr. Tintu. R., Assistant Professor, Department of Physics, TKMM College, Nangiarkulangara	23 rd Sept 2016
	Dr R Raveendran Retd. Principal SN Colleges Kollam	29 th Sept 2016
	Dr R Raveendran Principal SN College Varkala	7 th Oct 2015
	Dr. E. Shaji, Assistant Professor, Department of Geology, University of Kerala	7 th Oct 2015
	Dr. V. Madhu Assistant Professor, Department of Atmospheric Sciences, School of Marine Sciences, Cochin University of Science and Technology, Kochi	23 rd Sept 2016

25. Seminars/Conferences/Workshops organized & the source of funding

Year	Seminars/conferences	Title	Sources of funding
2015-16	Ozone Day Observation 2015”	Invited talk on “Thirty years of healing the Ozone Dr R Raveendran Principal SN College Varkala	KSCSTE
		Invited talk on ‘Water Resources Management’. Dr. E. Shaji, Assistant Professor, Department of Geology, University of Kerala	
2016-17	Ozone day observation 2016	Invited talk on ‘Ozone and Climate’ Dr.V.Madhu Assistant Professor, Departmentof Atmospheric Sciences, School of Marine Sciences, Cochin University of Science and Technology, Kochi	KSCSTE
		Invited talk on ‘The hole in the sky: causes effects and mitigations’ Dr.Tintu.R., Assistant Professor, Department of Physics, TKMM College, Nangiarkulangara	
2016-17		Invited talk on ‘Ozone and Climate’ Dr.V.Madhu Assistant Professor, Departmentof Atmospheric Sciences, School of Marine Sciences, Cochin University of Science and Technology, Kochi	KSCSTE
		Invited talk on ‘ The hole in the sky: causes effects and mitigations’ Dr.Tintu.R., Assistant	

		Professor, Department of Physics, TKMM College, Nangiarkulangara	
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26. Student profile programme /course wise

(i)UG Programme

Academic year	Applications received	Enrolled		Total
		Male	Female	
2015-16	Online allotment prepared by the University of Kerala	09	10	19
2016-17		09	10	19

(ii) PG Programme

Academic year	Applications received	Enrolled		Total
		Male	Female	
2015-16	Online allotment prepared by the University of Kerala	09	06	15
2016-17		04	09	13

(iii) Students pass percentage

Programme	2015-16	2016-17
BSc Physics	11.11	20
MSc Physics	75	87

29. Student progression

Student progression	2015-16	2016-17
UG to PG	25%	20%
PG to PhD	-	-
Employed Off Campus	50%	40%

31. Number of students receiving financial assistance from College, University, government or other agencies.

UG Name of the scholarships	Year	
	2015-16	2016-17
E grantz from the govt of Kerala,	70	50

36 Institutional Responsibilities and extension activities

•Observation of Important Days

Observing days of national international days will create a sense of patriotism and universal brotherhood among students. National Science day, Ozone day, World environment day etc are organised by the department and is funded by Kerala State Council of Science Technology and Environment (KSCSTE). International year of Light, Centenary Celebrations of Theory of Relativity were also celebrated.

•Seminars

Seminars are organised on various topics related to the current trends in research, topics related to PG syllabus and those related to nature and environment. The programs primarily target the student community to create awareness on the developments of science and technology in India. The programs inspired students to go for higher studies in basic sciences and understand the importance of studying basic sciences. A national seminar was also organised funded by KSCSTE.

•Science Exhibitions

Science exhibitions are organised during National Science Day Celebrations. Children make models power point presentations and demonstrate various experiments. The programs also stimulate the co-curricular and creative aspects of students. Students from neighbourhood schools also participate.

•Organising Intercollegiate Competitions

In connection with celebrating and observing nationally and internationally important days the department organises interdepartmental intercollegiate competitions. The programs also stimulate the co-curricular and creative aspects of students.

•Physics Association

Every year Physics Association meetings are organised.

Best practices

1. launching a peer reviewed journal 'lumina'
2. peer teaching
3. visiting national labs
4. use of inflibnet, national digital library of india, amrutha virtual lab
5. celebrating traditional and cultural festivals

DEPARTMENT OF MATHEMATICS

9. Number of teaching posts

Teaching post	Sanctioned	Filled
4	1	1

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

Serial No.	Name	Qualification	Designation	Experience
1	Smt K Mini	MSc, BEd	Associate Professor	28
2	Ms Devi R	MSc, Bed	Lecturer on contract	1
3	Ms Kavya S	MSc,BEd	Lecturer on contract	1
4	Ms Akhila V O	MSc	Lecturer on contract	1

10. Qualifications of teaching faculty with DSc/D.Litt./Ph.D/MPhil/PG

Qualifications	No.
PhD	NIL
MPhil	NIL
MSc	4

24. List of eminent academicians and scientists/visitors to the department

Academic year	Date	Visitors name and Address
2016-17	16-08-2016 and 26-08-2016	Dr M Preeth Associate Prof. Department Of Statistics, Tkmm College, Nangiarkulangara

25. Seminars/Conferences/Workshops organized & the source of funding

Year	Seminars/conferences	Title	Sources of funding
2015-16	Workshops (Two days)	Practical on statistics	PTA

26. Student profile programme /course wise**UG Programme**

Academic year	Applications received	Enrolled		Total
		Male	Female	
2015-16	Online allotment prepared by the University of Kerala	09	12	21
2016-17		08	12	20

31.Number of students receiving financial assistance from College, University, government or other agencies

Name of the scholarships	2015-16	2016-17
E grantz from the govt of Kerala,SEBC	30	47

36. Institutional Responsibilities and extension activities

- Certificate course in MS Office
- Tax consultation

DEPARTMENT OF ECONOMICS

9. Number of teaching posts

Teaching post	Sanctioned	Filled
2	2	2

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

Serial No.	Name	Qualification	Designation	Specialization	Experience
1	Sri Rajeev S R	MA, MPhil	Assistant Professor	Rural development	12yrs
2	Smt VaniJayadevan (On Leave)	MA	Assistant Professor	Agriculture	6yrs
3	Smt Priya L	MA, B.Ed	Lecturer on contract	Economy	4yrs

10. Qualifications of teaching faculty with DSc/D.Litt./Ph.D/MPhil/PG

Qualifications	No.
PhD	Nil
MPhil	1
MA	2

19. Publications

Number of Publications by Faculty

Books	1
Journals	2
National/International conferences	10

22. Student Projects

Percentage of students who have done in-house projects including interdepartmental / Programme

UG: 100%

26. Student profile programme /course wise**UG Programme**

Academic year	Applications received	Enrolled		Total
		Male	Female	
2015-16	Online allotment prepared by the University of Kerala	23	23	46
2016-17		18	32	50

(ii) Students pass percentage

Programme	2015-16	2016-17
BA Economics	35	38

29. Student progression

Student progression	2015-16	2016-17
UG to PG	6%	2%
PG to PhD	NA	NA
Employed Off Campus	40%	30%

31. Number of students receiving financial assistance from College, University, government or other agencies

Name of the scholarships	2015-16	2016-17
E grantz from the govt of Kerala	39	49

DEPARTMENT OF COMMERCE

9. Number of teaching posts

Teaching post	Sanctioned	Filled
4	4	2

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

Serial No.	Name	Qualification	Designation	Specialization	Experience	Student guided for last 4 years
1	Dr .T P Vijumon	M.Com, B.Ed, MBA,Ph.D	Assistant Professor	Finance, HR and Marketing	12	35 PG students
2	Thushara U S	M.Com, B.Ed JRF	Assistant Professor	Finance	4	-
3	Suja S	M.Com , PGDCA	Asst.Professor on Contract	Finance	4	-
4	SanoopSivaraman	M.Com	Asst.Professor on Contract	Finance	1	-

12.Qualifications of teaching faculty with DSc/D.Litt./Ph.D/MPhil/PG

Qualifications	No.
PhD	1
MPhil	-
MCom	3

19. Publications

Number of Publications by Faculty

Publications	National	International	Total
Refereed journals	9	2	11
Conferences	13	2	15
Books and chapter	1+1	Nil	1+1

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards

Dr T P Vijumon

- Life member of Indian Commerce Association
- Member of curriculum Revision Committee, B.Com, University of Kerala

22. Student Projects

**a)Percentage of students who have done in-house projects including interdepartmental / programme
UG: 100%**

23.Awards/Recognitions received by faculty and students:

- Best Paper Presentation Award in UGC National Seminar conducted by StJones College, Kollam in 2015
- Best research paper award in International Seminar Conducted by SCMS business school, Kochi. 2013

24. List of eminent academicians and scientists/visitors to the department

Academic year	Date	Visitors name and Address
2015-16		
Dr.E N Sivadasan	05.02.2015	Associate Professor and Head, Department of Politics, SN College, Cherthala
Dr.B.Gopakumar	18.03.2015	Associate Professor and Head, PG Department of Commerce, NSS College, Pandalam
Sri.S.Omanakuttan	15.7.2016	MD, Tax study Centre,TVM
Sri.Yohan TK	03.11.2016	Career Councilor, Institute of Company Secretaries of India

25. Seminars/Conferences/Workshops organized & the source of funding

Year	Seminars/conferences	Title	Sources of funding	Organized by
2015-16	Regional Seminar	Human Rights Education		Department of Commerce
2016-17	State seminar	Role and Career of Company secretaries of India	Department fund	Department of Commerce

26. Student profile programme /course wise

UG Programme

Academic year	Applications received	Enrolled		Total
		Male	Female	
2015-16	Online allotment prepared by the University of Kerala	11	20	31
2016-17		8	27	35

(iii) Students pass percentage

Programme	2015-16	2016-17
BCom	96.67	59.14

29. Student progression

Student progression	2015-16	2016-17
UG to PG	29%	34%
Employed Off Campus	40%	45%

31. Number of students receiving financial assistance from College, University, government or other agencies

Name of the scholarships	2015-16	2016-17
E grantz from the govt of Kerala	73	83
Scholarship-Suvarna Jubily scholarship	3	3

32. Details on student enrichment programmes (special lectures/ workshops/ seminar)with external experts (2015-2017)

Workshops/seminars	Date	Speakers
Human Rights Education	05.02.2016	Dr.E.N.Sivadasan
Role and Career of Company secretaries of India	03.11.2016	Yohan .T.K

36. Institutional Responsibilities and extension activities.

Extension activities:

- Tax consultation
- SPSS Training
- Data analysis

Best practices

- Tally E R P 9 –Certificate course in accounting
- Book Bank-Department library
- Open house

Innovation

- A Survey on Industrial Progress of Cheriyanadu Grama Panchayat