

## The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

### Part – A

**AQAR for the year (for example 2013-14)**

**2014 - 2015**

#### 1. Details of the Institution

1.1 Name of the Institution

**KURIAKOSE ELIAS COLLEGE**

1.2 Address Line 1

**MANNANAM**

Address Line 2

**KOTTAYAM District**

City/Town

**KOTTAYAM**

State

**KERALA**

Pin Code

**686561**

Institution e-mail address

**kecollegemnm@gmail.com**

Contact Nos.

**0481-2597374**

Name of the Head of the Institution:

**Rev. Dr. Benny Sebastian**

Tel. No. with STD Code:

0481-2597074

Mobile:

09447884877

Name of the IQAC Co-ordinator:

Dr. Antony Thomas

Mobile:

09447212892

IQAC e-mail address:

[keciqac@gmail.com](mailto:keciqac@gmail.com), [antonykec@gmail.com](mailto:antonykec@gmail.com)

1.3 NAAC Track ID (For ex. MHCOGN 18879)

OR

EC-63-RAR-39-dtd 23-03-2013-KURIAKOSE  
ELIAS COLLEGE- MANNANAM- KERALA

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner- bottom  
of your institution's Accreditation Certificate)

EC/63/RAR/39/23-03-2013

1.5 Website address:

[www.kecollege.in](http://www.kecollege.in)

Web-link of the AQAR:

[www.kecollege.in/iqac1.htm](http://www.kecollege.in/iqac1.htm)

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	4 Star		2000	5 Years
2	2 <sup>nd</sup> Cycle	A	3.10	2013	5 Years

1.7 Date of Establishment of IQAC : DD/MM/YYYY

03/06/2013

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

**AQAR 2012-2013 submitted to NAAC on 22-11-2013**  
**AQAR 2013-2014 submitted to NAAC on 30-03-2014**

1.9 Institutional Status

University State ☒ Central ☐ Deemed ☐ Private ☐

Affiliated College Yes ☒ No ☐

Constituent Colleg Yes ☐ No ☒

Autonomous college of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☐ No ☒

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

Financial Status Grant-in-aid ☐ UGC 2(f) ☒ UGC 12B ☒

Grant-in-aid + Self Financing ☒ Totally Self-financing ☐

1.10 Type of Faculty/Programme

Arts ☒ Science ☒ Commerce ☒ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☐ Health Science ☐ Management ☐

Others (Specify)

**Vocational Courses (B.Voc)**

1.11 Name of the Affiliating University (*for the Colleges*)

**MAHATMA GANDHI UNIVERSITY,  
KOTTAYAM**

## 1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence  UGC-CPE

DST Star Scheme  UGC-CE

UGC-Special Assistance Programme  DST-FIST

UGC-Innovative PG programmes  Any other (*Specify*)

UGC-COP Programmes

## **2. IQAC Composition and Activities**

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and  
community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders:  Faculty

Non-Teaching Staff  Students  Alumni  Others

2.12 Has IQAC received any funding from UGC during the year? Yes ☐ No ☐

If yes, mention the amount

**Rs. 1,27,000 for seminar**

☒

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.

International

National

State

Institution Level

(ii) Themes

**Autonomy and Quality Assurance in Higher Education –  
Achievements, Issues and Challenges**

2.14 Significant Activities and contributions made by IQAC

**IQAC in the academic year 2014-15 was very meticulous in promoting excellence in every aspect of the activities of the college. The strategies for conducting the same were done by convening a meeting of the IQAC Cell of the college in the beginning of the year.**

**Research aptitude of the teachers and the Students was promoted by the IQAC throughout the year. The IQAC Departmental co-ordinator was given charge of enlivening the research climate by regulating the proposals for conducting National Seminars and Minor/ Major Research projects. An awareness session was given to the co-ordinators on the various aspects of Research proposals to various regional/national/ international funding agencies.**

**The teaching –learning process was monitored by the IQAC by issuing and analysing feedback forms from students of various programmes. The teachers were encouraged to prepare their own personal feedback from the respective students.**

**The IQAC conducted a two day National Seminar on ‘Autonomy in Higher Education’ which was chaired by eminent scholars from various parts of India. The seminar prompted further thinking on the topic by the participants of the seminar.**

## 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
<p><b>The Research Climate in each department was planned to be sensitized.</b></p> <p><b>Improve the academic profile of the college</b></p> <p><b>Reach out to the public and be socially committed in student ventures</b></p> <p><b>To document and inform the public of the activities of the college.</b></p>	<p><b>A no. national seminars and workshops conducted in the academic year. Major/Minor Projects approved for faculty</b></p> <p><b>The college decided to apply for a number of additional courses including self-financing projects. Courses in English, Botany, Commerce and B. Voc courses were applied for and received sanction subsequently.</b></p> <p><b>The Student organised Fests, Fair and Exhibitions were directly related to the public interests and inculcated a social commitment in the teeming students.</b></p> <p><b>A Public Relations Officer was considered indispensable for the proper recording of the activities of the college and the First Lady teacher of the College was appointed in charge as the PRO of the College. The College Website was also updated regularly.</b></p>

2.15 Whether the AQAR was placed in statutory body      Yes ☒      No ☐

Management ☐      Syndicate ☐      Any other body

Provide the details of the action taken

**The college council held on 10/02/2016 discussed the AQAR in detail. The coordinator of IQAC Dr. Antony Thomas presented the report using LCD projector. Many suggestions, additions and deletions were put forward by the council members and all the suggestions were incorporated in the final report.**

## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	<b>03</b>			
PG	<b>10</b>		<b>04</b>	
UG	<b>14</b>	<b>02</b>	<b>05</b>	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate	<b>07</b>			
Others				
<b>Total</b>	<b>34</b>	<b>02</b>	<b>09</b>	

##### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	<b>All programmes (both UG and PG) are semester wise</b>
Trimester	
Annual	

1.3 Feedback from stakeholders\* Alumni ☐ Parents ☒ Employer ☐ Students ☒  
*(On all aspects)*

Mode of feedback : Online ☐ Manual ☒

*\*Please provide an analysis of the feedback in the Annexure*

#### *Annexure I Analysis of Feedback*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

**No revision has been made in the syllabus in the academic year 2014- 15**

1.5 Any new Department/Centre introduced during the year. If yes, give details.

**A new Department for B.Voc has been created**

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
<b>69</b>	<b>39</b>	<b>30</b>	-	-

2.2 No. of permanent faculty with Ph.D.

**24**

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
<b>6</b>	<b>2</b>								

2.4 No. of Guest and Visiting faculty and Temporary faculty

**42**

**04**

**01**

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	<b>5</b>	<b>49</b>	<b>2</b>
Presented	<b>5</b>	<b>19</b>	-
Resource Persons	<b>2</b>	<b>2</b>	-

*\*Annexure II- Faculty attended conferences and symposia*

*\*Annexure III– Faculty Presented Papers*

*\* Annexure IV – Faculty as Resource Persons*



## 2.6 Innovative processes adopted by the institution in Teaching and Learning:

A slew of measures adopted by the various departments of our college have been proven to be effective. Here, we would like to give a brief description of our initiatives/activities. We believe that pedagogy is equally crucial in spite of a well framed syllabus. Holistic development of our students is our priority.

Formal class room teaching (lecture method) is the one used in our institution. In addition to formal class room instruction, teachers guide their students with study materials and demonstration to impart learning; both theory and practical of subjects taught in class. Every batch of students is allotted a specific class teacher so that individual care can be given to all the students. Seminars, assignments, weekly test papers etc are done systematically. OHP, LCD projectors, models etc are used by the teachers as aids of teaching. Classes are taken by the help of power point slides using LCD projector for better assimilation of complex ideas. We provide UGC-CSIR NET and SET coaching for our students along with remedial classes. The brighter students of various batches aid their teachers in providing remedial classes to weaker students from the school of sciences.

We have adopted ICT based Teaching and Learning design in our departments. We have computer labs for various departments. High speed Internet connection is also made available for the students. The Degree and Post graduate students of the department of chemistry are provided free access to a plethora of software such as Chems sketch, Chem Draw, GAMESS, etc. The department of Botany conducts a common entrance test to determine the potential of students coming from different backgrounds. Assignments are given once a week and the students are encouraged to send the same to their departmental portal. Students who perform well in their tests are inducted to the A stream, where they are given additional training for imparting their knowledge to weaker students.

The department of Economics employs various teaching- learning strategies such as interactive methods, group discussions, assignments, seminars and projects. I.C.T teaching and learning facility is provided to our students. Seminars and lectures by eminent personas of the profession are organized by the department every year to enlighten the students on various issues. Remedial coaching is given to the less performing students of the various departments.

The Department of English takes particular care in enhancing the learning process by employing innovative teaching strategies. The learning experience is given a first-hand experience by enacting many of the stories by the students such as in the course of Reading Drama. The visual effects for the literary pieces are also taken care of by comparing the written script with audio-visual aids such as CDs and cassettes. ICT is also made use of in Language classes, which lays emphasis on phonetics and grammar, for students coming from various departments. Literary fests are conducted every year to encourage the active

participation of students in pruning their own writing skills. Prizes are distributed to the winners at the end of the academic year.

The department of history conducts a visit every year to reputed organizations and holds an annual meeting which takes into consideration the immediate concerns of the students. The Math's department hosts a series of competitions from Quizzing to debates, an initiative meant for the overall development of the students.

The department of Psychology conducts class tests every month and a continuous assessment of each student is kept in the archives of the department. Besides these, Quiz competitions, Jigsaw contests etc are also held every year along with seminars, conferences etc. Workshops on latest statistical packages such as SPSSR are conducted by the department of Statistics every year. Classes are made more interactive with the aid of multimedia for PG students.

The department of Zoology has always been keen on imparting proper learning experience to the students. In addition to use of usual teaching aids such as charts, specimens, models etc. Classroom learning is made interesting using PowerPoint presentations. This helps the students to acquire knowledge beyond textbooks and enrich them with the latest available information on the topics. Practical classes are also conducted in this manner to minimise the use of lab animals. Hands-on experience is provided to the students in various aspects like sampling techniques, insect collection and preservation, vermin composting etc. Field visit to wildlife sanctuaries and different types of habitats are conducted to enhance the learning experience of the students. Apart from this, group learning is promoted where the weak students are helped by their peers who excel in studies. The students' notice board of the Department also helps them to share the latest developments in the field of science. Question banks are prepared for each subject and discussed in classrooms as and when required Continuous evaluation and assessment is done and the feedback is taken for improvement of teaching. The department has also adopted peer evaluation to help the students in improving their responses.

The teaching- learning process in the department of Commerce is based on ICT. The department makes effective use of advanced technologies like ICT in teaching in addition to the traditional pedagogy at both UG and PG levels. The class-rooms have upgraded projectors. The students can make use of the Departmental library, well stocked with more than 500 books. Internet facilities are also provided for their convenience. The teaching is imparted through ICT enabled techniques for knowledge dissemination and knowledge generation. Department conducts group discussions, seminars, industrial visits, remedial coaching, etc. for the students

2.7 Total No. of actual teaching days  
during this academic year

186

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

**Performances are assessed by Continuous Evaluation Process as per curriculum guidelines. Progress of the students is evaluated on a continuous basis. Unit tests are conducted on completion of every module of syllabus. At the end of every semester, two internal examinations are conducted. The students are required to take seminars related to their subject area. The weaker ones are given extra attention and their performance is discussed with the parents individually through open evaluation system. PTA meetings of each class were organized by class teachers once in an academic year.**

**Examination/evaluation process by some of the departments is mentioned below.**

**In the Department of Economics the internal examinations are conducted in the department to continuously assess the performance of the students and the results are communicated in time to the students. An open house programme is conducted every semester to discuss the performance of the students. Remedial coaching is given to the weak students of the department.**

**In the English department, internal exams as well as class tests are conducted by teachers, with every module covered allowing for a fast intake of syllabi by the students. Certain courses allow for Open Book Examination, testing the leaning capability of all pupils. Multiple choice questions are employed for one set of internal exams for the general classes in English.**

**In History department weekly examinations and evaluations are made possible. Make good rapport with parents. They conduct PTA meeting for each class separately.**

**In Maths department, weekly test papers were conducted for final year B.Sc. students and P.G. students. After each terminal examination the progress of each student was evaluated in the presence of their parents (open house evaluation). A lot of effort was taken by the teachers for conducting regular internal assignments and monitoring their progress. The class teachers identify the slow-learners of each class and remedial coaching was arranged for them with special focus on SC/ST.**

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

12

**\*Annexure V Faculty Involved in Curriculum Restructuring**

2.10 Average percentage of attendance of students

87 %

2.11 Course/Programme wise distribution of pass percentage :

TITLE OF THE PROGRAMME	TOTAL NO. OF STUDENTS APPEARED	DIVISION				
		DISTINCTI ON %	A %	B %	C %	PASS %
B.Sc Maths	35					94
M.Sc Maths	29					48
B.Sc Physics	29					96.55
M.Sc Physics	12					66.66
B.Sc Chemistry	22					86.4
M.Sc Chemistry	14					50
B.Sc Botany	28					78.6
B.Sc Zoology	27					81
B.Sc Computer	34					80
M.Sc ASCA	14					50
B.Sc EEM	31					50
B.Sc Psychology	26					96
B.A English	45					95.6
B.A Economics	39					75
M.A Economics	16					75
B.A History	15					53.3
B.Com	49					100
M.Com	16					75
M.Sc Biotech.	4					100
M.SW	20					50

## 2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

**The teaching learning process is constantly monitored by IQAC. The learning process is periodically checked by the internal exams and assignments given by the students. Seminars and Viva –voce are also resorted to, to test the skill and aptitude of the students.**

**Regular feedbacks from the students help monitor the quality of teaching of the faculty as well as the relevance of the curriculum. The class teacher acting as a mentor to the students forming a tutorial system is also supervised by the IQAC. Weak students are provided with remedial coaching and Bridge classes by the voluntary service of teachers in various departments.**

**The IQAC also promotes quality teaching by ensuring the availability of ICT in teaching, access to INFLIBNET, Open Access Journal, e-books etc. Various Add-on courses and certificate courses are offered by departments as encouraged by the IQAC of the college**

## 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	<b>7</b>
UGC – Faculty Improvement Programme	<b>2</b>
HRD programmes	
Orientation programmes	<b>5</b>
Faculty exchange programme	<b>1</b>
Staff training conducted by the university	<b>2</b>
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	<b>5</b>
Others	

## 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	<b>16</b>	<b>0</b>	<b>03</b>	<b>-</b>
Technical Staff	<b>14</b>	<b>-</b>	<b>-</b>	<b>-</b>

### **Criterion – III**

#### **3. Research, Consultancy and Extension**

##### **3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution**

**The objective of the College is to become a centre of excellence in the field of higher education. This cannot be accomplished without promoting research to the maximum extent in various disciplines. At present three of our departments (Physics, Chemistry & Economics) are recognized as research centres by the MG University. Sixty percentage of the teaching faculty possesses research degrees. Also more than ten of them are approved research guides. Total number of ongoing projects in the college is four major projects and more than 15 minor projects. We are conducting seminars, workshops. Symposia etc. on a regular basis which give our student community an opportunity to meet researchers, academicians and other stake holders exchanging their ideas and information.**

**Both faculty and students of physics department are actively involved in research activities. At present the department is undertaking one major research project (KSCSTE - Dr Jini Thomas) and one minor research project (UGC – Dr. Feby Jose). Majority of the faculty members have applied for major/minor research projects to various agencies**

**Dr. Jaiby Joseph has research collaboration with Indian Neutrino Observatory (INO) which will lead to major research opportunities both for faculty as well as students. Research oriented projects are given to PG students to introduce them into the field of active research.**

**Dr. Jollyamma Mathew, and Dr. Jesty Thomas, of Chemistry department are working as research guides, from the MG University. Currently the department has three ongoing major projects (Dr. Jesty Thomas is the Principal Investigator of two projects and Dr. Giable George is the Principal Investigator of one project). The Department has four ongoing minor projects funded by UGC, DST and KSCSTE. Three research fellows are working in three different major projects; among them two have applied for Ph.D registration.**

**The faculty members of chemistry have presented several research papers in various international and national conferences and they have published research papers in both international and national Journals. The Department of Science and Technology (DST), Govt. of Kerala has sanctioned a sum of Rs.77 lakhs under the FIST Programme to**

strengthen teaching and research facilities in all the science departments of the college, after assessing the performance of the departments.

The Research and Post Graduate Department of Economics is one of the most prestigious academic centres of learning Economics in Kerala. The upgradation of the department as a research department in 2013 gave an impetus to the research activities of the department. Presently the department has 2 research guides (Dr. Cyriac Joseph & Dr. Jose. A) and 10 research scholars are actively pursuing research under them.

The department of Commerce is providing a conducive environment for the research activities. Both degree and P.G students are undertaking research projects as part of the curriculum. The teachers holding Ph.D guide the students which is an encouragement for the students to undertake research. The teachers are also encouraged to undertake minor and major research projects. The faculty members in the Department of Commerce are actively involved in publishing research articles in Books, International and National journals. Students are exposed to project work for hands on experience in research. It also arranges research discussion with research holders.

The Hindi department collected Research Articles from well-known writers and scholars and published a book. Dr. Babu Joseph of Hindi Department conducted training programmes for Official Language Hindi for Government employees. He has also published a Research article on 'Samakaleen Hindi Kavitha Mein Nari Vimarsh' in the UGC National Seminar Proceedings Published by the PG and Research Department of Hindi, Catholice College, Pathanamthitta.

In Malayalam department all the teachers are actively involved in research activities. Dr. J. Mathew is a research guide.

In the English department, Dr. Sujarani Mathew has got recognition as research guide and guiding Ph.D scholars.

Dr. Sunny Joseph Kalayathankal of Mathematics Department is an approved Research Guide in Mahatma Gandhi University. He has already Guide ship in Karpagam University and Bharathiyar University of Tamil Nadu. He has 7 research scholars working under his guidance.

### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		3		2
Outlay in Rs. Lakhs		76		48

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		<b>22</b>		<b>9</b>
Outlay in Rs. Lakhs		<b>43.5</b>		<b>21</b>

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	<b>19</b>	<b>25</b>	
Non-Peer Review Journals			
e-Journals			
Conference proceedings	<b>9</b>	<b>18</b>	

#### \* Annexure VI – Details of Research Publications

### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	<b>3</b>	<b>DST, UGC</b>	<b>76</b>	<b>64</b>
Minor Projects	<b>2</b>	<b>UGC</b>	<b>36</b>	<b>21.5</b>
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)				
Any other(Specify)				
Total			<b>112</b>	<b>85.5</b>

### 3.7 No. of books published i) With ISBN No.

Chapters in Edited Books

ii) Without ISBN No.

#### \* Annexure VII – Details of Books Published



3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges

Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number		4			5
Sponsoring agencies		UGC			College

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency  From Management of University/College   
Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows  
Of the institute in the year

Total	International	National	State	University	Dist	College
		3				

3.18 No. of faculty from the Institution who are Ph. D. Guides  
and students registered under them

09

38

3.19 No. of Ph.D. awarded by faculty from the Institution

06

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF  SRF  Project Fellows  Any other

3.21 No. of students Participated in NSS events:

University level  42 State level

National level  International level

3.22 No. of students participated in NCC events:

University level  26 State level  12

National level  01 International level

3.23 No. of Awards won in NSS:

University level  State level

National level  International

3.24 No. of Awards won in NCC:

University level  State level

National level  International level

3.25 No. of Extension activities organized

University forum  College forum

NCC  NSS  Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

The department of Botany, KE College initiated a taxonomic drive, Identifying and naming plants as a service to the neighbourhood people and institutions. Students in groups took initiative in generating awareness on the usage of common medicinal plants in the households of Mannanam and nearby localities. Hands-on training was given to open course students of the college and III Year students in Mushroom cultivation and different horticultural practices such as budding, grafting, layering etc. As an extension of Career Oriented (Add-on) Course,- ‘Analytical Techniques in Water Analysis’, steps have been taken by the Chemistry department for analyzing well water samples of nearby areas free of cost. A notice regarding this was circulated among the households of Aarpukara and Athirampuzha Panchayaths. People from this area are utilizing this facility now. From the results of the analysis, it was found that about 30% of the drinking water sources in Aarpukara Panchayathu, especially around Gandhinagar Medical college region, were contaminated and not fit for consumption. In such cases remedial measures were recommended. The Department has adopted right measures to give environmental awareness to our students. ‘Environmental chemistry’ was introduced as an Open course subject for students from other departments, to create awareness on the environmental hazards plaguing our society today.

Third year degree students of the department of Economics visited an orphanage ‘Swathanam’ situated near Medical College, Kottayam as part of social responsibility initiative on 21 Aug 2014. They spend a day with the inmates and distributed sweets and clothes.

The Department of English also conducted the extension activity of providing language skills to the school children of the neighbourhood. The language lab facility of the college is availed of to give maximum exposure to the students. Classes are taken by Third year students for the children of the Upper Primary School under the guidance of the teaching staff. The language lab imparts to the children, an immediate experience of listening and speaking skills. A Scholarship has been instituted to be given to the student who acquires highest marks in University examinations. The Department of Hindi conducts various competitions for students for promoting the National language. As per the request of the students, we invite well known writers from north India to inaugurate the Hindi Association every year. The department of History has been active in blood donation programmes for a long time. They have also been part of philanthropic activities, with a focus on the locales near our campus.

The department of Maths conducted tuition classes for the students of the St. Joseph U P School, Mannanam on all working days. The classes were handled by the 3rd D C and 2nd P G students under the supervision of faculty members of the Department. Students also visited the orphanage run by Navajeevan Trust at Kottayam under the joined initiative of the Department and the Vincent DePaul Society of the college. Participatory Rural Appraisal (PRA) was organized in Neendoor Panchayath and a detailed evaluation about that area was sent to the concerned authorities by the MSW department of our College.

The counselling centre in the psychology department gives Counselling service to the lay men and the needy. Educational counselling is given to the students. Final year degree students engaged in school counselling programme from September 2014 to February 2015. The department adopted St. Thomas School Neendoor for the programme. Various personality development programme organized by the students in different schools. Psychological classes and training were given by Dr. M.K. Mathew and Fr. Johnson Joseph to Police trainees at Kottayam Police training camp. Students along with the faculty members visited and conducted programme in Nava jeevan, Kottayam, Providence Home Gandhinagar and Cancer ward Kottayam Medical College. Technology assisted classes such as LCD and computer assisted group discussions and seminars are conducted regularly. Videos and demonstration of therapies- research on relevant issues- self assessment and teacher assessment etc are also provided by the department. Students are given training for soft skills development and personality development.

Dons N J, from the department of Zoology directed a short film titled 'Janithra' the central theme of which was 'responsible parenthood'. The film was screened in the film festival organised by the department. The film festival also screened a number of films which would help to inculcate love for nature and animals. The department also manages the vermicomposting pit of the college thereby, helping in the efficient recycling of wastes. Also a majority of students actively participated in blood donation ventures.

The department of Commerce is providing Tax Consultancy service to the whole staff of the college free of cost. The teachers in the department help other staff to file income tax returns-submission etc. Tax consultancy services are also provided to plan the finances of an individual prudently so as to minimize the tax liability to people living in the nearby places.

The Grievance cell in the Departments will look into matters regarding internal evaluation marks. Students having any complaint against internal evaluation marks may appeal to this cell. If the mark given is not acceptable to the student, redressal of the grievance appealed for may be referred to the Principal. The department also has a computer lab fully equipped, providing services to the students in various practical aspects such as computerized accounting, IT for business etc.

## **Criterion – IV**

### **4. Infrastructure and Learning Resources**

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	<b>7.5 Acre</b>	-		<b>7.5 Acre</b>
Class rooms	<b>81</b>	-		<b>81</b>
Laboratories	<b>21</b>	-		<b>21</b>
Seminar Halls	<b>02</b>	-		<b>02</b>
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		2		
Value of the equipment purchased during the year (Rs. in Lakhs)				
Others				

#### 4.2 Computerization of administration and library

The administrative wing of the College is completely computerised; starting with admission, attendance recording, internal marks keeping, exam management, fee collection and the related matters.

Our Library is fully computerised from 2012 onwards. All the details of books can be completely accessioned by manually and by computer. We can search the details of a book by any form like subject, Class No, Author, Title etc. All the books are bar-coded and are easy to issue and return. The identity card of the students is used for this process. Two access control systems are there, for entry and exit. By this, we can have the report of the students like how many students come in the library and how much time they spent. The photo and details of the students are displayed while they are using the same. Besides this, a computer center is functioning here for searching internet for the students.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	<b>5931</b>				<b>5931</b>	
Reference Books	<b>44562</b>		<b>973</b>		<b>45535</b>	
e-Books	<b>51000</b>				<b>51000</b>	
Journals	<b>31</b>		<b>6</b>		<b>37</b>	
e-Journals	<b>2100</b>				<b>2100</b>	
Digital Database						
CD & Video	<b>250</b>				<b>250</b>	

#### 4.4 Technology up gradation (overall)

	<b>Total Computers</b>	<b>Computer Labs</b>	<b>Internet</b>	<b>Browsing Centres</b>	<b>Computer Centres</b>	<b>Office</b>	<b>Departments</b>
Existing	<b>122</b>	<b>02</b>	<b>84</b>	<b>02</b>	<b>01</b>	<b>03</b>	<b>18</b>
Added	<b>42</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>
Total	<b>164</b>	<b>02</b>	<b>104</b>	<b>02</b>	<b>01</b>	<b>03</b>	<b>19</b>

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- **Every department has been provided with computers, LCD and internet system.**
- **Expansion of E-technology has enhanced the use of computers in curriculum development, teaching-learning, evaluation and research.**
- **Students are encouraged to make use of computers for Power Point Presentations of their seminars and projects.**
- **Broadband internet connectivity is given to all the departments.**
- **Internet browsing is available for teachers and students at the Internet Centre free of cost during the working hours of the library.**

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT	<b>1,20,000</b>
ii) Campus Infrastructure and facilities	<b>40,00,000</b>
iii) Equipments	<b>4,80,000</b>
iv) Others	<b>2,00,000</b>
<b>Total :</b>	<b>48,00,000</b>

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

**An Orientation programme was conducted for the newcomers of the institution about the various student services offered by the college. The faculty in charge of it was enjoined by the IQAC to give further information about it to the students in their programmes.**

**The College Bulletin Board hosted the various activities conducted by the Student support Services and initiated the new students towards it according to their aptitude.**

#### 5.2 Efforts made by the institution for tracking the progression

**The regular feedback forms taken by the students contributed to tracking the progression in the teaching –learning process. The PTA meetings conducted by the college and the various departments also were instrumental in recording the improvement of the activities of the college.**

**The Placement Cell working efficiently in the college gave various options to the students throughout the academic year. It was also a regular record of the outgoing students and the calibre of students in various streams of the college.**

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1070	156	12	-

#### (b) No. of students outside the state

**06**

#### (c) No. of international students

**01**

No	%
<b>460</b>	<b>37</b>

Men

Women

No	%
<b>778</b>	<b>63</b>

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
<b>937</b>	<b>247</b>	<b>21</b>	<b>69</b>	<b>01</b>	<b>1275</b>	<b>998</b>	<b>172</b>	<b>22</b>	<b>46</b>	<b>4</b>	<b>1238</b>

Demand ratio **3.1:1**Dropout % **1.3**

## 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

The Career Cell was very active in the academic year 2014-15. Prof. Rony George conducted several sessions to impart Group Discussion Techniques and interview tips to final year degree students, in collaboration with the Placement Cell. The career Cell was very keen to clarify the career doubts of students, regarding the future career prospects and higher education opportunities. The Career Guidance cell is giving training to 23 students of the college under Additional Skill Acquisition Programme (ASAP), a joint initiative of General and Higher Education Department to impart adequate skills to students through various career oriented programmes to match with labour market trends.

Remedial classes used to be conducted in our college, to enable students belonging to ST/ST/OBC (non-creamy layer)/Minority communities to pursue their higher studies effectively and also to reduce the failure rate. The coaching was co-ordinated by Dr. Sandhya C, Assistant Professor, Department of Biochemistry. The grant was effectively utilized for providing academic facilities for the students. The faculty members of each department effectively conducted remedial classes outside the regular time table. Among the 142 students benefited from attending the classes, 53 were SC students, 8 were ST students and 81 were OBC/Minority Students.

No. of students beneficiaries

**142**

## 5.5 No. of students qualified in these examinations

NET	<b>4</b>	SET/SLET		GATE		CAT	
IAS/IPS etc		State PSC		UPSC		Others	<b>15</b>

## 5.6 Details of student counselling and career guidance

The counselling centre of the college is working under the supervision of the Psychology department. They give counselling service for the laymen and the needy. Educational counselling is given to the students. Various personality development programmes were organized for the students in different schools. Psychological classes



and training were given by Dr. M.K. Mathew and Fr. Johnson Joseph to Police trainees at Kottayam Police training camp. Students along with the faculty members visit and conduct programme in Athirampuzha Old age home, Nava jeevan Kottayam, Providence Home, Gandhinagar and Cancer ward, Kottayam Medical College.

No. of students benefitted

41

#### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
07	125	32	-

#### *\*Annexure VIII Details of campus placement*

#### 5.8 Details of gender sensitization programmes

The Women's Forum is very active in our college. Inauguration of the activities of the year was done, on 2th September by Mrs. Mary Mathew, HOD of Malayalam Department, Baselios College, Kottayam.

The women's hall was renovated on request by the women's forum and two inclinators' were erected there.

Women's forum created a formal discussion forum – DARSAN – which meets on every Wednesday to discuss issues related to women.

Shuttle badminton coaching for girls were started in the initiative of women's forum.

#### 5.9 Students Activities

##### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level

23

National level

11

International level

No. of students participated in cultural events

State/ University level

14

National level

International level

### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	12	86,000
Financial support from government	180	24,50,000
Financial support from other sources	12	1,35,000
Number of students who received International/ National recognitions		

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

## Criterion – VI

### 6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

#### **Vision:**

**To become a centre par excellence of learning, unique in experience, value based in approach, and committed in service, for enriching and fulfilling life.**

#### **Mission:**

**To facilitate comprehensive and integral development of individuals who effectively function as instruments of social changes imbued with righteousness and courage of conviction: Dare to dream and Strive to Achieve.**

## 6.2 Does the Institution has a management Information System

**The college has a well developed MIS supported by properly maintained database. The student details, including internal marks are available in the college office on the click of a mouse. Similarly, the library has full-fledged information system that provides the details of book issue and availability of books.**

## 6.3 Quality improvement strategies adopted by the institution for each of the following:

### 6.3.1 Curriculum Development

**The various Departments of the college offers comprehensive, contemporary and multi-disciplinary curriculum structured to equip the students with the knowledge, skills and tools needed to make them competitive in a global economic environment. The departments follow an updated curriculum revised by the university. Inter-disciplinary programs such as open course make students aware of all related fields. Open course opted by the departments is relevant one intended to promote individual, community and national development. The Departments also organize invited lectures, subject based exhibitions, field trips etc. for curriculum enrichment.**

**The design and structure of UG and PG courses are decided by the Mahatma Gandhi University through the “Board of Studies” and “Academic Council”. Department meetings are conducted to discuss the curriculum provided by the University. Suggestions arising from the discussion are conveyed to board of studies.**

### 6.3.2 Teaching and Learning

**The teaching and learning aspect gets the utmost care and attention in our college. Different departments are keen to give the best opportunities to the students. Some of the good practices followed by the departments are highlighted.**

**Large number of students of the Botany department is first generation learners. Slow and advanced learners are identified and enrichment programs are organized for them. Lecture method is supplemented by various other interactive techniques including modern teaching aids**

**In the Chemistry department, in addition to the formal class room instructions, teacher guide the students with study materials and demonstrations to impart -learning both theory and practical of Chemistry. Every batch of students is allotted a specific class teacher so that individual care can be given to all the students. Seminars, assignments,**

weekly test papers etc. are done systematically. OHP, LCD projectors, models etc are used by the teachers as aids of teaching. Department promotes UGC-CSIR NET and SET Coaching, and Remedial coaching for our students. The brighter students of various batches are given remedial classes to weaker students for Mathematics and Physics.

ICT based Teaching and learning design is adopted in the department. The department is having a computer lab with internet connection .The Degree and Post graduate students make use of the computer lab for their assignments and dissertation works. Chemistry software such as Chems sketch, Chem Draw, GAMESS are made available and students are given instructions to familiarise these software.

The department of economics has been following modern teaching methods for providing conceptual clarity to students. The department employs various teaching-learning methods such as interactive method, group discussions, assignments, seminars and projects. I.C.T teaching and learning facility is provided. Seminars and lectures by eminent persons of the profession are organized by the department every year to enlighten the students on various issues. Students are encouraged to use computer systems and internet facilities available in the department for their academic as well as project related enquiries.

The Department of English takes particular care in enhancing the learning process by employing innovative teaching strategies. The learning experience is given a first-hand experience by enacting many of the stories by the students, such as in the course of Reading Drama. The visual effect for the literary pieces as also taken care of by comparing the written script with audio-visual aids such as CDs and cassettes. ICT is also made use of in Language classes

The History department is conducting remedial coaching to the weak students on every Thursday. Blue prints of syllabus can be arranged by faculty. Discussion on different topics and subjects are made by the faculty members. Clarifications of doubts, clearance of the theme of study etc. are taken into consideration by the joint sitting of the faculty members. To know more about the vocational subject Printing and Publishing industrial visits are conducted.

Teaching learning and evaluation is done through proper planning and through the dedicated efforts of each member for its proper implementation in the Mathematics department. The department is very particular in making the learning process more students-centric. Though lecture method is followed, it is supplemented by notes charts models etc. A lot of effort is taken by the teachers for conducting regular internal

assignments and monitoring their progress. The teachers are using projectors and slides to take classes in order to help the students understand topics easier. Some creative movies regarding the topics are also shown. Weak students are encouraged to associate with bright students to uplift them to the main stream. Bright students are encouraged to do seminars on topics beyond the scope of the syllabus. Evening classes and extra classes on holidays are arranged to get more time for the extensive discussion of each topic. Bridge courses are arranged by the department to fill the gap between the current knowledge level of the students and their prescribed syllabus.

The department of Mathematics has an effective class teacher system. Each teacher is entrusted with a batch of students. He/She collects the Bio-data and a photograph of each student and a diary is maintained. The class teachers identify the slow-learners of each class and remedial coaching is arranged for them with special focus on SC/ST.

The Department provides library facilities with 500 books and computer lab facilities for familiarising maths software like Math lab, Math Code, SPSS, Latex and PDF converter to help the students.

### **Physics**

In the Physics department, each batch of students is allotted a class teacher. Individual care is given to all students. Attendance of all students for each day is recorded and personally verified by their respective class teacher. Both weak and bright students are given special care. Remedial coaching is given to weak students. Bright students are encouraged to apply for various scholarships provided by various national and state level research organizations. Invited talks are conducted throughout the academic wherein students are able to interact with experts

In order to impart proper learning experience regular classroom learning is done with teaching aids such as charts, specimen etc, in the Zoology department. Teaching is aided by LCD projectors to provide the much needed visual experience to understand various biological resources, systems and processes. The practical classes are also conducted in this manner to minimise the use of lab animals.. Field trips are conducted to provide hands on experience and training to students. Peer group learning is promoted by dividing the students of each class into smaller groups of 8-10 and discussions and presentations are held. Students are encouraged to share their knowledge and recent developments in the subject on student notice board thereby contributing towards the learning process. Apart from the structured curriculum students are given assignments on special topics related to it and common seminars were conducted for all students of the

department. Students are encouraged to do Power point presentations on scientific topics. Department also arranged lectures of eminent resource persons for enriching the students.

In the EEM department, each batch of students under the department are allotted a class teacher. Individual care is given to all students. Attendance of all student for each day is recorded and personally verified by their respective class teacher. Both weak and bright students are given special care. Remedial coaching is given to weak students. Bright students are encouraged to apply for various scholarships provided by various national and state level research organizations. Invited talks are conducted throughout the academic wherein students are able to interact with experts

The Department of Commerce offers comprehensive, contemporary and multi-disciplinary curriculum structured to equip the students with the knowledge, skills and tools needed to make them competitive in a global economic environment. The department follows an updated Curriculum revised by the university. Inter-disciplinary programs such as open course make students aware of all fields. Add-on Course on computerized accounting package -Tally is provided to the students.

Teaching and learning is facilitated through:

1. Comprehensive, contemporary and multi-disciplinary curriculum structured to equip the students with the knowledge, skills and tools needed to make them competitive.
2. Commerce Lab built with the objective of providing practical exposure to the students in addition to focusing on theoretical aspects
3. ICT enabled classrooms

### 6.3.3 Examination and Evaluation

Performances of the students are assessed by Continuous Evaluation Process as per curriculum guidelines. Progress of the students is evaluated on a continuous basis. Unit tests are conducted on completion of every module of syllabus. At the end of every semester, two internal examinations are conducted. The students are required to take seminars related to their subject area. The weaker ones are given extra attention and their

performance is discussed with the parents individually through open evaluation system. PTA meetings of each class were organized by class teachers once in an academic year.

An open house programme is conducted every semester to discuss the performance of the students. Remedial coaching is given to the weak students of the college. The class teachers identify the slow-learners of each class and remedial coaching was arranged for them with special focus on SC/ST.

#### 6.3.4 Research and Development

The college gives much importance to research and development aspects. One of the faculties of Botany department is actively engaged in research. Other teachers are planning to apply for major and minor projects

The Chemistry Department is a research department and has set up sufficient infrastructure for research. The research centre of Chemistry Department was officially recognised by the MG University during the academic year 2013-2014. Dr. Jollyamma Mathew, and Dr. Jesty Thomas, got recognition as research guides, by the MG University. Dr. Giable George got research guideship at Bharathiyar University in the year 2014. Currently the department is having three ongoing major projects and three ongoing minor projects funded by UGC, DST and KSCSTE. Four research fellows are working in three different major projects. Two of them are doing Ph.D and the other one has applied for Ph.D registration.

The faculty members of Chemistry have presented several papers in various international and national conferences and have published research papers in different Journals, both international and national. Also, the department is promoting the research attitude of PG and UG students by giving awareness and guidance. As a part of this, they are providing enough opportunities to the students and they are permitted to do some research activities during Saturdays and holidays, by utilising the facilities of research lab. M.Sc students are oriented by the teachers for training at various Laboratories and Firms

The Economics department is recognized as a 'Research Centre' by the M.G. University. Dr. Cyriac Joseph and Dr. A Jose are approved research guides of Mahatma Gandhi University. Ten research scholars are actively pursuing research in the department. The faculty members have undertaken many Minor Research Projects. There are two ongoing Minor Research Projects in the department. Dr. Cyriac Joseph is the chief editor of the interdisciplinary journal "New Numbers and Letters" published by K.E College.

**In the English department, the research aptitudes of the students are instigated by means of various projects and assignments given to the students. Seminars are presented in classes which gives the students an impetus in the field of Research.**

**The teachers are actively involved in publishing papers in reputed journals and in presenting research papers in conferences. The newly appointed faculty is planning on engaging in Doctoral programme.**

**In the History department, research is promoted by undertaking Minor Research projects, attending seminars, paper presentation and paper publications. Altogether got 6 minor projects and completed all the projects. The Department has two Research Guides with their research centre at Assumption College, Changanacherry. Two research scholars are doing Ph.D under the guidance of the teachers of the department.**

**In the Mathematics department, Mrs. Stancy V Sebastain of the department has registered as a Ph. D. student under the guidance of Dr. Sunny Joseph in Bharathiyar University**

**In the Physics department, faculty members actively participate in various research activities. At present the department is undertaking one major project and two minor projects. Dr. Jaiby Joseph have research collaboration with Indian Neutrino Observatory (INO) which will lead to major research opportunities for both faculty and students. Research oriented projects are given to P.G students to get them introduced to the field of research.**

**In the Zoology department, one of the faculty members is a Ph.D holder and two others are pursuing research. For promoting the research aptitude of the students they are encouraged to explore their surroundings and do collections. The Department also arranged an invited lecture of Dr. Abraham Samuel, Associate Professor CMS College, Kottayam, who conducts research on Dragon flies.**

**Faculties of the commerce department actively participate in various research activities and paper presentations. At present the department is undertaking three minor projects. Two teachers are pursuing research in the department.**

#### **6.3.5 Library, ICT and physical infrastructure / instrumentation**

**The various science departments maintain well equipped labs with an array of sophisticated project/practical related instruments required for the academic programme. The students are given training sessions for familiarising with the operation of these**



instruments. The students are also given access to these instruments while doing their study projects. All departments have sufficient number of computers and LCDs.

The Commerce department has got a computer lab fully equipped, providing services to the students in various practical aspects such as computerized accounting, IT for business, etc.

In each department, one or more computers with internet facility are setup for the use of students for their curricular/co-curricular activities.

#### 6.3.6 Human Resource Management

In each department there is an association and the association activities help in inculcating leadership qualities in students, and also promote their extracurricular talents.

The chemistry department is promoting UGC-CSIR NET and SET Coaching, and Remedial coaching for their students. The brighter students of various batches are given remedial classes to weaker students for Mathematics and Physics.

##### Economics

In the Economics departments, students are encouraged to appear for various competitive examinations. Special coaching is provided to the students for appearing for various examinations. Students of the association participated in a number of intercollegiate events held at various places and bagged many prizes.

In the English department, the best of talents of the students are showcased in every activity of the college as well as the department which acts as a boost to all in the department. The faculty of English also engages in helping the students of the entire college with various language related and other activities.

The Zoology Association of the department is giving ample opportunities for the students to improve their leadership qualities as well as management skills. The Association is headed by a secretary and joint secretary as elected representatives and an executive committee consisting of nominated students from I,II &III year degree classes. Under the auspices of the Association various competitions are held to nurture the skills and talents of our students

Career orientation classes are conducted for both P.G and UG students of the Physics department. NET/SET/GATE coaching is conducted for PG students after their regular

college hours. Care is taken to ensure that students are recruited by various firms through campus placements

The commerce department is providing career guidance classes to all the students. The department with experienced faculty could offer quality education. The Commerce Association conducts various programmes including commerce fest – Colligo – which helps students to acquire leadership qualities. Students also participate in various fests organised by other colleges.

#### 6.3.7 Faculty and Staff recruitment

Faculty and staff recruitment is done by the management in accordance with the government provisions.

#### 6.3.8 Industry Interaction / Collaboration

Various departments of the College collaborate with different institutions for promoting learning and social commitment.

The department of Botany has collaboration with college of pharmacy, medical college Kottayam. Department has collaboration with the post graduate and research department of Botany, S H College, Thevara.

History Department is in collaboration with St. Joseph's Press, Mannanam for doing three weeks 'on-the job training' Programme

#### 6.3.9 Admission of Students

Student admission is as per university guidelines. For the last 5 years, the University is following Centralised Allotment Process (CAP). Many students from different parts of Kerala prefer Kuriakose Elias College as first choice.

#### 6.4 Welfare schemes for

Teaching	Staff Cooperative Society
Non teaching	Staff Cooperative society
Students	1. Students Cooperative society 2. Vincent de paul society (Financial assistance to poor students)

6.5 Total corpus fund generated

<b>Staff cooperative society</b>	<b>– Rs. 24,00,000</b>
<b>Students cooperative society</b>	<b>– Rs. 2,90,000</b>
<b>Vincent de paul society</b>	<b>– Rs. 1,30,000 (to help poor students)</b>

6.6 Whether annual financial audit has been done ☒ Yes ☐ No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	-	-	Yes	Council
Administrative	-	-	Yes	Management

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes ☐ No ☒

For PG Programmes Yes ☐ No ☒

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

<b>Centralised valuation camps are organised by the university to declare results at the earliest.</b>
--

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

6.11 Activities and support from the Alumni Association

<b>The college has turned out thousands of graduates into the wider arena of the society and many of them occupy very high positions in many reputed organizations in India and abroad. The Alumni association of the various departments is active and it enables the Departments to be in touch with the former students. The alumni register is maintained.</b>
--

Every department organises an annual reunion of its alumni. Also an annual reunion is arranged in connection with the send-off of faculty members.

In the wake of the Jubilee Celebrations of the year, a grand get together was conducted by the College on 29<sup>th</sup> December 2013. Many of the alumni turned out with nostalgic memories of their old college. Many of our former students gathered and shared their experiences, joys and sorrows

In the Physics department, the Alumni Association sponsors at least one invited talk for the students every year. It also supports all major activities of the department and the college. Physics alumni association regularly meets on the first Sunday of May every year.

Alumni of Psychology department- PAAM - Psychology Alumni Association Mannanam - gathers together on second Saturday in February every year. PAAM collaborated with the department in order to organize the All Kerala Psychology Exhibition.

From the English Department, the Theresa Memorial Scholarship to the Topper in the English batch was instituted by the alumni in memory of their departed classmate.

From Zoology department, the alumni sponsors an endowment of Rs.10,000 for college topper in B.Sc Zoology Programme, which is one of the highest endowments awarded in the college.

#### 6.12 Activities and support from the Parent – Teacher Association

The Parent-Teacher Association of the college functions very efficiently. Class PTA of all batches is done once in each semester. This helps us to get a better understanding of each students, their scope of improvement and special issues if any to be tackled. The PTA provides ample support to the various programmes organised by the college.

During the open house program conducted by each department at the end of each semester, they assess the performance of students and department, and suggest measures for the quality improvement of both students and department. Weak students are given remedial teaching.

The general PTA meeting of the college was held last year on 16<sup>th</sup> February 2014, in the college auditorium. Suggestions from the parents are also accommodated in teaching/learning process.

### 6.13 Development programmes for support staff

- Annual tour program is organised by the management for the support staff every year.
- A training program is organised every year for the non teaching staff.
- Christmas, Onam and other festivals are celebrated in a befitting manner.

### 6.14 Initiatives taken by the institution to make the campus eco-friendly

Situated in the lush green and serene environment of Mannam Hills, college has always embraced the idea of going green. The college has extensive programs in reducing their carbon foot print, campus wide initiatives to eat and grow organic food and steps are directed to reduce dependence on traditional sources of energy

Some of the key activities of the departments are:

#### Department of Botany

*In connection with Botany Association inauguration, The Ist years were gifted with tree saplings which were planted In college campus and nearby locality.*

*To make their study environment more pleasant students have started to grow indoor and ornamental plants in the classrooms of the Department.*

#### Department of Chemistry

Department of Chemistry has adopted right measures and gives enough support to make the campus eco- friendly.

*We have a proper waste management system. The remaining from our chemistry lab is properly disposed. We are giving support for the well functioning of the bio-gas plant of our college.*

*Department of Chemistry have various initiatives to spread environmental awareness to our students.*

*Department offers 'Environmental Chemistry' as our open course, so that the students of arts and commerce also get opportunities for studying about environment, various environmental hazards, and the need for making awareness about environmental protection.*

#### Department of EEM

*Regular advice is given to the students by the faculty to be eco friendly. The department offers an open course o the topic environmental pollution and various renewable energy sources. Encourages students to attend nature camps.*

*An Encon Club is run by the department under the sponsorship of BPCL- Cochin Refineries. This club organizes quiz, essay and painting competitions regularly for college students on environment related topics.*

#### **Department of English**

*The Department took an active role in the campaign of planting trees undertaken by the college. The students are motivated in keeping a clean and green campus.*

*An eco-aesthetic garden also was initiated by the department.*

#### **Department of Social Work**

*Environment day was organized and around 1000 trees were distributed to teachers and students. Also trees were planted inside the campus*

#### **Department of Physics**

*Regular advice is given to the students by the faculty to be eco friendly.*

*The department offers an open course o the topic environmental pollution and various renewable energy sources.*

*Encourages students to attend nature camps*

## **Criterion – VII**

### **7. Innovations and Best Practices**

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

*Responding to the changing needs of modern world the college and various departments have adopted various innovative practices which has improved teaching learning experience. Understanding the need for continuous change the college have made it compulsory to hold at least two continuous internal assessment tests, regular parent teacher interaction sessions, Mentoring sessions, remedial coaching programs, Seminars and sessions for advanced learners and feedback system from students and from the alumni. Some of the notable practices of various departments are mentioned below.*

#### **Department of Botany**

*Mentoring sessions: Every teacher in the department is assigned with an interaction hour with students each week to strengthen student teacher interaction. The teachers of the department are always willing to lend their ears to student's academic problems and other grievances.*

**Botany related cultural programmes:** *All the students of each class are divided into different groups. Each group were asked to gather new developments and insights in their respective field and to present them before the departmental audience.*

**Introduction of student movement register:** *A student movement register was introduced in the department to track the student outings during the class hours.*

#### **Department of Chemistry**

**Assessment Tests:** *Continuous evaluations of students are done through conducting unit tests and terminal examinations at periodic intervals.*

**Performance appraisal:** *Regular parent teacher interactions are held in department after the internal exams. Student performances are appraised and feedback is taken from both students and parents.*

**Counselling:** *Counselling facility is offered to the needy students or students are recommended for the same by their respective mentors.*

**Peer teaching:** *Remedial coaching for weaker students by the brighter students of various batches.*

#### **Department of English**

**Department library:** *A department library was constituted within the staffroom which gave easy access to books and reference material to both the students and faculty. The classification and categorization of the books and journals, allow for the systematic and prompt service of the library. The log and issue register of the department library is entrusted with a faculty member.*

#### **Department of Maths**

**Feedback System:** *The department collects feedback from students both as written and as oral comments. Their suggestions are taken in to account on conducting programmes and in the method of teaching.*

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

*The IQAC has done an unrelenting work in the last academic year and has succeeded in attaining almost all the targets set for the year.*

#### **Department of Botany**

**A National Seminar:** *Based on last year's action plan, a Regional Seminar on lower plants was conducted by the department and the proposal for the National seminar submitted to UGC is awaiting approval.*

**Digital library:** *As the initial step of digital library construction, a collection of over 100 e books of various disciplines in life science was made that aided students in their preparations for competitive examinations.*

#### **Department of Chemistry**

*For promoting the research attitude of PG and UG students awareness programs were held. The library and lab facilities are made open to extended hours for students during Saturdays and holidays. By utilising our research lab, P G students are given training by various Laboratories and Firms.*

#### **Department of Economics**

*The department organized seminars and lectures by eminent persons of the profession. Securities Exchange Board of India (SEBI) Sponsored Financial Workshop on Investment Plan for Young Investors was held on 12 Dec 2014. Mr. Shibin Philip, Assistant Prof., Dept. of Economics, Govt. College, Nattakom, Kottayam was the resource person. One day workshop on Project Report Preparation was conducted on 20 Feb 2014 for social science students of various colleges. Dr. Raju G, Associate Professor of Commerce, Govt. College for Women, Trivandrum handled the sessions. The students actively participated in various collegiate and intercollegiate competitions and won prizes. The students of the department produced a short film "Q & A". The department organizes nature camps every year, to create environmental awareness among the students. 36 students of the II year degree class along with 2 faculty members participated in the nature camp conducted at Thattekkad on 25-27 Aug, 2014.*

#### **Department of English**

*The plans put forward at the beginning of the year were adhered to during the course of the academic year. The Association activities assumed vigour and a Literary Fest was conducted with great success. A Film Fest was also conducted which is being taken up as an annual affair. The Nature camp for the Second year students and the Field visit for the Third Year students were conducted well. The records of the department were entrusted to a particular faculty member and all the activities of the department is being filed and classified properly.*

#### **Department of Maths**

*Last year's plan to take tuition classes for school students as well as children of some orphanages nearby was initiated successfully. Plan to conduct seminars of National level (UGC Sponsored), State level (UGC Sponsored) and College level on different topics was submitted to respective centres and approval awaited.*

#### **Department of Social Work**

*The students of the department Coordinated Human Rights Day and World Environment Day in the college, also organised observation visits and rural camp at Thodupuzha.*



**Department of Physics**

*It was decided that all faculty members will apply for at least one major or minor project and to apply for a national seminar for the coming year. All faculties applied for research projects. Department was undertaking one major project at the time. Two more Minor projects were sanctioned by UGC for Dr. Feby Jose and Dr. Jaiby Joseph. A national seminar on Nuclear, Astro and High Energy Physics was sanctioned by the UGC.*

**Department of Zoology**

*Under the initiative of the department the vermin compost pit in the college premises was renovated. Two field trips were conducted for the students.*

7.3 Give two Best Practices of the institution (please see the format in the NAAC Self-study Manuals)

*The two best practices of various departments with regard to teaching learning and evaluation that deserves due mention are:*

**Department of Botany**

**Weekly hour for Interaction:** *The teachers of the department are always willing to lend their ears to student's academic problems and other grievances. More over each teacher in the department is assigned with an interaction hour with students each week to strengthen student teacher interaction.*

**Digital library:** *As the initial step of digital library construction, a collection of over 100 e books of various disciplines in life science was made that aided students in their preparations for competitive examinations.*

**Department of Chemistry**

**Remedial coaching:** *Remedial coaching for weaker students by the brighter students of various batches.*

**Industry exposure:** *P G students are given training at various Laboratories and Firms.*

**Department of Economics**

**ICT Class rooms:** *The department of Economics has been following modern teaching methods. Classes are taken with the help of PowerPoint slides using LCD projector for better conveying of ideas.*

**Nature camps:** *Camps are organized by the department every year to create environment*

*awareness among the students.*

### **Department of English**

**Department magazine:** *The release of an annual Manuscript magazine under the leadership of the 3rd year students. The creative and artistic talents of all the three batches are showcased in the magazine and it acts as a fillip to the capabilities of all the English students.*

**Digital Library:** *The department library added a digital section to it highlighting the services available to the students in their academic endeavours. The service is open to both the Staff and students and makes hundreds of books at the reach of all in the department.*

### **Department of History**

**Charity activity:** *Our students distributed midday meals to the beggars in the street of Gandhinagar and Kottayam town on every Wednesday and gave blood to the needy patients.*

**Current affairs sessions:** *Newspapers was provided in the classroom regularly. Students collected important news from various Medias and present it in the class room. It helps them to increase their knowledge on current events.*

### **Department of Maths**

**Parent Teacher Alumni Association:** *The department constantly gathers suggestions/complaints from the student's parents and from the past students and does everything possible to make them comfortable in the campus.*

**Advanced learners support:** *Bright students are encouraged to do seminars on topics beyond the scope of the syllabus helps the students to improve their teaching ability and to become good teachers. Tuition classes for school students are held students.*

### **Department of Social Work**

*Regular staff meeting and action plan for a month; participation of students and teachers in various national and international seminars.*

### **Department of Physics**

*NET/SET/GATE coaching classes for P.G students are conducted regularly after college hours.*

*Anti Drug Awareness classes are conducted by the faculty to the students.*

### **Department of Psychology**

**Weekly Association Hour:** *Hour in which seminars, debates, Quiz, discussions, Cultural programmes etc. presented by the whole students of the department.*

**Students Departmental Library:** *More than 150 psychology books are collected by the fund raised by the students and staff.*

**Wall Magazine:** *Students are encouraged to write articles on current psychological researches and social issues.*

### **Department of Zoology**

**Mentoring:** *Every week the class teachers spend some quality time with their students to mentor and motivate them. This practice has helped to improve the student-teacher relationship and all round performance of the student.*

*Videos on biological topics are presented before students during their free hours.*

### **Department of Commerce**

**National level management fest:** *The department conducts an inter-collegiate commerce and management Fest, Colligo every year the fest was a mega event and in which students from more than 50 colleges participated from across south India.*

**Industry visits and nature camps:** *The department arranges industrial visits every year to give exposure to students with the various aspects of different industries, also nature camps are conducted to create environmental awareness.*

## 7.4 Contribution to environmental awareness / protection

**Education provides a crucial role in raising awareness about protecting environment and shaping attitudes and behaviours that can make a difference. College looks at the role of education in preparing and providing our citizens with traits needed for sustainable and productive future.**

**The key initiatives of the various departments are given below.**

### **Department of Botany**

**The concept of Green Classroom was adopted in the Botany department. To make their study environment more pleasant students have started to grow indoor and ornamental plants in the classrooms of the Department.**

**In connection with Botany Association inauguration, the 1st Years were gifted with tree saplings which were planted in college campus and nearby places afterwards.**

**Department of Chemistry has adopted right measures to give environmental awareness to our students. We have opted ‘Environmental Chemistry’ as our open course, so that the students of arts and commerce also get opportunities for studying about environment, various environmental hazards, and the need for making awareness about environmental protection.**

**The department of economics organizes nature camps every year, to create environmental awareness among the students. Thirty six students of the II year degree class along with 2 faculty members participated in the nature camp conducted at Thattekaad on 25-27 Aug, 2014.**

### **Department of Social Work**

Environment day was celebrated by the department of social work and distributed 1000 trees in association with social forestry department

The department of zoology has taken necessary steps to create awareness among students regarding the importance of nature and conserving natural resources. We have urged them to minimise the use of plastic carry bags and promote paper bags.

7.5 Whether environmental audit was conducted?

yes

7.6 Any other relevant information the institution wishes to add. (For example SWOT Analysis)

The college is situated in rural area and most of the students are from economically backward families. Moreover, their academic background is not so bright and hence extra effort is required from the part of faculty to bring them to the main stream.

8. Plans of institution for next year

**The action plan of various departments for the academic year 2015-16**

#### **Botany**

**To organize a National seminar on Algae -For a Greener future**

**To initiate organic farming in the campus**

**Small scale Mushroom and Spawn production**

**To start add on course in Decorative art**

**To conduct a hands on training camp on honey bee rearing and bonsai preparation**

#### **Chemistry**

**Submission of proposal for a national seminar to UGC.**

**To conduct a science exhibition under the organization of Chemistry Association.**

**Submission of major and minor scientific projects to UGC.**

**Renovation of our P.G. Laboratories.**

#### **Economics**

**The plans for the academic year 2015-16 was discussed in the department meeting. It was decided to conduct:**

**A development seminar Mannanam 2030 in July 2015.**

**An essay writing competition as part of World Population Day on July 2015.**

**A Workshop on Research Methodology for social sciences on August 2015.**

**Industrial visit to Cochin Stock Exchange on September 2015.**

**All- Kerala Quiz competition on November 2015.**

**Nature Camp on September 2015.**

**Study tour on December 2015**

### **English**

**Plans of Department for the next Year:**

**Conducting and coordinating various clubs like Literary Club, Artists Corner and Music Band**

**Celebrating important dates related to literature and art.**

**Open access to digital library. The computer point of the department should be made available to the academic needs of the students**

**To begin an Unaided Postgraduate Programme in English.**

### **Hindi**

**PG course in Hindi Language and Literature**

**To introduce a training a programme named CERTIFICATE COURSE IN CREATIVE WRITING IN HINDI WITH DTP TRAINING**

**To start spoken Hindi course**

**To start a Sanskrit School .**

### **History**

**Plan to visit Velloor newsprint factory.**

**All faculty members apply for minor project.**

**Submit the Application for National Seminar.**

**To conduct PSC coaching for the 2<sup>nd</sup> and 3<sup>rd</sup> year BA/B. Sc/B.Com students.**

**Submit the application for Nature camp at Munnar.**

### **Maths**

**Tuition classes for school students as well as children of some orphanages nearby.**

**Conduct seminars of National level (UGC Sponsored), State level (UGC Sponsored) and College level on different topics.**

### **Psychology**

**Organize workshops**

**Organize a National Level Seminar**

**Organize various skills development programme for students and adolescents.**

**Publishing Books**

### **Zoology**

**The department has planned several activities for the coming academic year**

**To conduct a Photography competition on pet animals among the staff and students of the college to inculcate love for animals.**

**To conduct a training programme for the students at Tropic Institute of Ecological Sciences (TIES), Kottayam to impart knowledge and training for ecofriendly living.**

**To conduct an exhibition on life sciences to create general awareness among the students from various streams.**

**To renovate the Butterfly garden in the campus as a green initiative.**

**To nurture the talents and skills of the students the department plans to organise a talent day .**

**The zoology association also plans to conduct monthly quiz competitions for students of the department.**

**To conduct a seminar on conservation biology.**

**To conduct field trips for the students.**

**To observe scientifically important days.**

### **Commerce**

**The department plans to host an Inter-collegiate commerce fest next year.**

**The department is planning to make all classrooms as smart classrooms**

**It also plans to make departmental library equipped with more books and journals.**

**The department plans to arrange a lecture series on various subjects**

## **ANALYSIS AND REPORT ON FEEDBACK FROM STUDENTS AND PARENTS**

Every year, feedbacks from the students regarding teaching, learning and other academic and co-curricular activities are collected, analysed every semester and a report is prepared. Right measures are taken to rectify the negative feedbacks.

The feedback from the students was very positive. They value the departments positively. There were only minor suggestions from the students which were about canteen facilities, rest room, etc. The opinion about the faculty members was also good. Teachers provided them with moral support and motivation. The subject knowledge, communication skills, etc. of the teachers were excellent. They opined that the teaching/learning environment was very effective for their overall development. The areas having scope for improvement were identified and compensatory measures were taken.

The feedback from parents was obtained during the PTA meeting. They were satisfied with the academic ambience provided by the college. The teaching- learning exercise was being conducted well, according to them. They are of the opinion that modifications in the infrastructure would be welcome.

## **ANNEXURE II**

## **FACULTY ATTENDED CONFERENCES AND SYMPOSIA**

### **International**

#### **Dr. Jesty Thomas**

1. International conference on Science, Technology and Applications of Rare earths (ICSTAR 2015) held at Thiruvananthapuram during April 23<sup>rd</sup> – 25<sup>th</sup> 2015.
2. Third International conference on Advanced Oxidation Processes AOP 2014 September 25<sup>th</sup> -28<sup>th</sup>, Munnar.

#### **Dr. Giable George**

1. International Conference on Science, Technology and Applications of Rare Earths (STAR 2015). Organised by rare earth association of India in association with CSIT-NIIST Trivandrum.2015.
2. US-India Brain storming discussion meeting on faculty development organized by KSCSTE, TVM and The North California State University, USA on January 6<sup>th</sup> 2014.

#### **Mr. Rony George**

1. Participated in the international conference on **Diaspora** conducted by the School of International Relations, M.G University.

#### **Dr. Rosamma Mathew**

1. Participated in the International conference on the Milestones of Kerala History at Baselius College, Kottayam on 14<sup>th</sup> August 2014.

#### **Dr.Antony Thomas**

1. 2nd International Conference on “Managing the Asian Century”- ICMAC14,Bali Indonesia, November 2014

### **National**

#### **Dr. Cyriac Joseph**



1. Two Day National Seminar on Many Faces of Gender Inequality: Challenges to Indian Economy and Society (25<sup>th</sup> and 26<sup>th</sup> September 2014), at Research Department of Economics B.K College Amaligiry
2. Two Day National Seminar on Financial Sector Reforms (30<sup>th</sup> and 31<sup>st</sup> October 2014) P G Department of Commerce, K.E College Mannanam.
3. Two Day National Seminar on Autonomy and Quality Assurance in Higher Education – Achievements , Issues and Challenges on 12<sup>th</sup> and 13<sup>th</sup> February 2015 at K E College Mannanam.

**Dr. Jose A**

1. Two Day National Seminar on Financial Sector Reforms (30<sup>th</sup> and 31<sup>st</sup> October 2014) P G Department of Commerce, K.E College Mannanam.
2. Two Day National Seminar on Autonomy and Quality Assurance in Higher Education – Achievements , Issues and Challenges on 12<sup>th</sup> and 13<sup>th</sup> February 2015 at K E College Mannanam

**Ms Rinu Jose**

1. Two Day National Seminar on Financial Sector Reforms (30<sup>th</sup> and 31<sup>st</sup> October 2014) P G Department of Commerce, K.E College Mannanam
2. Two Day National Seminar on Autonomy and Quality Assurance in Higher Education – Achievements , Issues and Challenges on 12<sup>th</sup> and 13<sup>th</sup> February 2015 at K E College Mannanam
3. Two Day National Seminar on The use of SPSS for research and Statistical Analysis on 29<sup>th</sup> and 30<sup>th</sup> September 2014 at B.K College Amalagiri.

**Ms. Amal Sharin T J**

1. Two Day National Seminar on Many Faces of Gender Inequality: Challenges to Indian Economy and Society (25<sup>th</sup> and 26<sup>th</sup> September 2014), at Research Department of Economics B.K College Amaligiry
2. Two Day National Seminar on Financial Sector Reforms (30<sup>th</sup> and 31<sup>st</sup> October 2014) P G Department of Commerce, K.E College Mannanam.

3. Two Day National Seminar on Autonomy and Quality Assurance in Higher Education – Achievements , Issues and Challenges on 12<sup>th</sup> and 13<sup>th</sup> February 2015 at K E College Mannanam

**Ms Mettilda George**

1. National Seminar on Autonomy and Quality Assurance in Higher Education-Achievements,Issues and Challenges(12<sup>th</sup>&13<sup>th</sup>2015)at K.E College,Mannanam
2. Two Day National Seminar on Financial Sector Reforms (30<sup>th</sup> and 31<sup>st</sup> October 2014) P G Department of Commerce, K.E College Mannanam

**Ms Gincy Lukose V**

1. Two Day National Seminar on Financial Sector Reforms (30<sup>th</sup> and 31<sup>st</sup> October 2014) P G Department of Commerce, K.E College Mannanam
2. Two Day National Seminar on Autonomy and Quality Assurance in Higher Education – Achievements , Issues and Challenges on 12<sup>th</sup> and 13<sup>th</sup> February 2015 at K E College Mannanam
3. National seminar on Reflective practices in Higher Education on 24<sup>th</sup> September 2014 at UGC Academic staff college and alumni Association, University of Calicut.
4. Kerala Environment Congresss 2015 organised by Centre for Environment and Development, Trivandrum on 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> May 2015 at Kottayam.

**Dr. Jollyamma Mathew**

1. UGC sponsored National seminar on Autonomy and quality assurance in higher Education- Achievements, Issues and Challenges on 12<sup>th</sup> and 13<sup>th</sup> February 2015.

**Dr.Jesty Thomas**

1. 27<sup>th</sup> Kerala Science Congress, 27<sup>th</sup>-29<sup>th</sup> January 2015, Alapuzha.
2. UGC sponsored National Seminar on “Chemistry for Tomorrow’s World” 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.

3. UGC sponsored national seminar on Recent and Emerging Advances in Chemical Science REACS-2015”, 8-9<sup>th</sup> January 2015, All Saints College, Thiruvananthapuram.
4. National Seminar on Recent and Emerging Advances in Chemical Sciences (REACS-2015) 08-09 January 2015, All Saints College, Thiruvananthapuram.
5. National Seminar on Emerging Nanomaterials (NSEN 2015), 06<sup>th</sup>-07<sup>th</sup> January 2015, Deva Matha College, Kuravilangadu.
6. National Seminar on Recent trends in Chemistry-RtriC-2014”, 6-7 November 2014, Baselius College, Kottayam.
7. National Seminar on Advances in Materials Chemistry (ADMAC I) 15<sup>th</sup>-17<sup>th</sup> October 2014, Christian College, Chengannur.
8. UGC sponsored National seminar on “Advances in Material Science-ADMAC-2014” 15<sup>th</sup>-17<sup>th</sup> October 2014, Christian College, Chengannur.
9. National Seminar on Nanochemistry and Nanobiotechnology (NANOACHEMBIO 2014) 08<sup>th</sup>-09<sup>th</sup> October 2014, St.Thomas College, Pala.
10. National Seminar on Present and future scope of Nanoscience and Nanotechnology (BAM NANST-2014) 2<sup>nd</sup>- 4<sup>th</sup> September, BAM College, Thuruthicad, Thiruvalla.
11. National Seminar on Nanostructured Materials (NSM 2014), 12<sup>th</sup>-13<sup>th</sup> August-2014, N.S.S College, Changanacherry.
12. National Seminar on Nanostructured Materials (NSM 2014), 12<sup>th</sup>-13<sup>th</sup> August NSM-2014, NSS College, Changanacherry.
13. National Conference on Recent Advances in Spectroscopy (2014), 31<sup>st</sup> July- 1<sup>st</sup> August, M.A.College, Kothamangalam.
14. Recent Advances in Spectroscopy, National conference, MA College, Kothamangalam, 31<sup>st</sup> July and 1<sup>st</sup> August 2014.
15. UGC Sponsored National Seminar on Autonomy and Quality Assurance in Higher Education-Achievements, Issues and Challenges held at K.E.College, Mannanam on 12-13th February 2015.

**Ms. Linta Maria Jose**

1. UGC sponsored National Seminar on “Nanochemistry and Nanobiotechnology” (NANOCHEMBIO 2014), 08<sup>th</sup>-09<sup>th</sup> October 2014, St.Thomas College, Pala.
2. UGC sponsored National Seminar on “Modern Trends in Chemistry”(FRONTIERS 2015),05<sup>th</sup> -6<sup>th</sup> January 2015,St.George College Aruvithura.
3. UGC sponsored National Seminar on “Chemistry for Tomorrow’s World”, 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.
4. UGC Sponsored National Seminar on Autonomy and Quality Assurance in Higher Education-Achievements, Issues and Challenges held at K.E.College, Mannanam on 12-13th February 2015.

#### **Dr. Giable George**

1. UGC sponsored National Seminar on, Modern trends in chemistry, held at St. George College, Aruvithara, 2015.
2. UGC sponsored National Seminar on Chemistry for tomorrow world, held at Bishop Kurialacherry College for Women, Amalagiri. 2015.
3. UGC sponsored seminar on Autonomy and quality assurance in higher Education- Achievements, Issues and Challenges on 12<sup>th</sup> and 13<sup>th</sup> February 2015.

#### **Dr. Shyla George**

1. UGC Sponsored National Seminar on Autonomy and Quality Assurance in Higher Education-Achievements, Issues and Challenges held at K.E.College, Mannanam on 12-13th February 2015.

#### **Dr.Sandhya C**

1. Attended and served as chairperson in UGC sponsored National Seminar on Recent Advances in Life Style Diseases held at TKM College of Arts and Science, Kollam on 8-9<sup>th</sup> October 2014
2. Attended UGC Sponsored National Seminar on Autonomy and Quality Assurance in Higher Education-Achievements, Issues and Challenges held at K.E.College, Mannanam on 12-13<sup>th</sup> February 2015

**Ms. Theja Joseph**

1. Attended a Work shop on I P R at St. Thomas College Pala.
2. Attended the seminar on “Utilization Management and conservation of medicinal plants “at B K College, Amalagiri

**Ms. Deepa Mary Joseph**

1. Attended a Work shop on I P R at St. Thomas College Pala.

**Ms. Sophia P. Thomas**

1. Attended a national workshop on ‘Statistical Computing’ on 24<sup>th</sup>, 25<sup>th</sup>, and 26<sup>th</sup> March 2014.

**Ms. Anitta T. Manuel**

1. Attended a national workshop on ‘Statistical Computing’ on 24<sup>th</sup>, 25<sup>th</sup>, and 26<sup>th</sup> March 2014.
2. Attended a national seminar on ‘Autonomy and Quality Assurance in Higher Education- Achievements, Issues and Challenges’ on 12<sup>th</sup>, and 13<sup>th</sup> February 2015.

**Ms. Aswathy A. Nair**

1. Attended a national seminar on ‘Autonomy and Quality Assurance in Higher Education- Achievements, Issues and Challenges’ on 12<sup>th</sup>, and 13<sup>th</sup> February 2015.

**Prof. Joseph Sebastian**

1. NAAC sponsored national seminar on “ Autonomy for colleges- A means to quality enhancement in higher education” held at S.H Thevara- January 2015

**Dr. Mercy Mathews**

1. UGC sponsored national seminar on advanced materials, Vimala College- February 2014
2. National seminar organized by UGC-ASC and Alumni Association on 24<sup>th</sup> September 2014, held at University of Calicut.

**Dr. Jaiby Joseph**

1. Participated in the INO Collaboration meeting held at Inter-Institutional Centre for High Energy Physics – September 2014

**Dr. Jini Thomas**

1. Participated in the Meeting of principal investigators of the SRS projects held on 30<sup>th</sup> July 2014 at Rajiv Gandhi Centre for Biotechnology.

**Dr. Feby Jose**

1. Attended a national seminar on non linea optics St. Dominics college Kanjirapally-Jan 2014

**Dr Sujarani Mathew**

1. Participated in the National Seminar on ***‘Culture and Gender: A Post ModernTheoretical Interface’*** held at Baselius College, Kottayam.
2. Participated in the National Seminar on ‘Autonomy and Quality Assurance in Higher Education: Issues and Strategies held at K.E. College, Mannanam.

**(Fr). Joby Joseph.**

1. UGC Sponsored National Seminar on **Autonomy and Quality Assurance in Higher Education – Achievements, Issues and Challenges** held at K.E. College, Mannanam, 12-13 February 2015.
2. UGC Sponsored National Seminar on **Eco Aesthetic Blend: Oral and Written Representations** held at Deva Matha College, Kuravilangadu, 25-26 February 2014.
3. National Seminar on **Shakespeare Continuum** held at K.A.H.M. Unity Women’s College, Manjeri, 12-13 August 2014.

**Indu Peter**

1. Participated in the National Seminar on **‘Subaltern Chronotopes: Issues and Strategies’** held at Newman College, Thodupuzha.
2. Participated in the National Seminar on **‘Weaving the World: Themes, Motifs & Methods in Contemporary Theatre’** organized by Deva Matha College, Kottayam

#### **Chinchu Rose George**

1. Participated in the National Seminar on **‘Subaltern Chronotopes: Issues and Strategies’** held at Newman College, Thodupuzha.
2. Participated in the National Seminar on **‘ Culture and Gender: A Post ModernTheoretical Interface’** held at Baselius College, Kottayam.

#### **Dr. Rosamma Mathew**

1. Participated in the UGC sponsored National seminar on Changing Employment Status and Resource Mobilization of Women in Kerala at Alphonsa College, Pala, 23<sup>rd</sup> & 24<sup>th</sup> July 2014.
2. Participated in the UGC sponsored Two Day National seminar on Religious Harmony in Kerala with special Reference to Gandhian Thoughts held on 13<sup>th</sup> & 14<sup>th</sup> August 2014 at K.E College, Mannanam.
3. UGC sponsored Two Day National seminar on “Autonomy and Quality Assurance in Higher Education- Achievements, Issues and Challenges” on 12<sup>th</sup> & 13<sup>th</sup> February 2015.

#### **Ms. Sijimol. C.G**

1. Participated in the UGC sponsored Two Day National seminar on Religious Harmony in Kerala with special Reference to Gandhian Thoughts held on 13<sup>th</sup> & 14<sup>th</sup> August 2014 at K.E College, Mannanam.
2. Attended the National Seminar on “Language, Literature and Publishing” conducted by National Book Trust, India with the co-ordination of M.G University, Sahitya Academy and Kerala Government PRD on 12<sup>th</sup> January 2015 at MG University, Kottayam.
3. UGC sponsored Two Day National seminar on “Autonomy and Quality Assurance in Higher Education- Achievements, Issues and Challenges” on 12<sup>th</sup> & 13<sup>th</sup> February 2015.

4. Attended the UGC Sponsored National Workshop on Research Methodology in Social Sciences from 25<sup>th</sup> to 27<sup>th</sup> February 2015 organized by Post- Graduate Department of History, Catholicate College, Pathanamthitta.

**Mr. Tintu K.J**

1. Participated in the the UGC sponsored Two Day National seminar on Religious Harmony in Kerala with special Reference to Gandhian Thoughts held on 13<sup>th</sup> & 14<sup>th</sup> August 2014 at K.E College, Mannanam.
2. Attended the seventy-fifty session of the Indian History Congress at Jawaharlal Nehru University, New Delhi from 28<sup>th</sup> to 30<sup>th</sup> December 2014.

**Dr. Benny Sebastian Thottanay**

1. U.G. C. Sponsored National Workshop on "New FRONTIERS IN TEACHING CHEMISTRY "Dec. 8, 9, 10-2015.
2. One day PRINCIPALS WORKSHOP on "EFFECTIVE GOVERNANCE OF HIGHER EDUCATION " 21 NOVEMBER 2015 Organized by the council of principals of college in Kerala.
3. U.G.C. Sponsored National seminar on "Mathematical models and methods in appled science( M 3 AS)19, 20 , 21 November 2015.
4. National seminar on Nuclear Astro and High Energy Physics 29-30 October .2015.
5. U.G.C. Sponsored National Seminar 'Autonomy Quantity Assurance in Higher Education Achievements, Issues and challenges'. 12, 13 feb. 2015.

**Dr. Joyskutty Joseph**

1. Seminar on Revivalism and Higher Education on 20-3-2015.
2. Works as a Nodal Officer - New Education policy-Government of India.

**Ms. Jessey John**

1. Attended state level seminar at TRADA on 'Art Therapy, Sand tray therapy, meditation & Parenting';



2. Resource person for Kerala Higher Secondary school directorate, ICDS, and AthmeeyaYatra television;
3. Attended GBM of Kerala Association of Professional Social Workers (KAPS)

**Ms. Julia Punnackapadavil**

1. Attended state level workshop and commemoration of 'National youth day' at Marian College, Kuttikkanam; Attended KAPS meeting and World Environment Day' at K E College, Mannanam

**Ms. Neenu Sebastian**

1. Attended National Seminar on 'Challenges faced by Medical Social Workers' held at Amala Medical College, Thrissur; Attended seminar on Disability organized by IPCA

**Mr. Gorby K Johnson**

1. Resource person for Higher Secondary School directorate on Adolescent Mental Health Programme and Teacher development programme in CBSE Schools run by Christian Management;
2. Attended National level symposium on 'Creative Writing'
3. Visiting Counsellor for Child Welfare in Orphanage Institutions (Orphanage association for Kerala)

**Mr. Grace George**

1. Attended GBM of Kerala Association of Professional Social Workers (KAPS); Attended KAPS meeting and World Environment Day' at K E College, Mannanam

**Fr. JishoAlumkal**

1. Attended GBM of Kerala Association of Professional Social Workers (KAPS); Attended KAPS meeting and World Environment Day' at K E College, Mannanam

**Fr. Johnson Joseph**

1. Participated in the **National Conference on Pro active coping strategies for Developing Mental Wellbeing.** organised by St. Joseph's Training College Mannanam on 9<sup>th</sup> and 10<sup>th</sup> January 2015.
2. Participated in a National Seminar on Psychology for Harmonious Living, organized by the Dept. of Psychology, UC College Aluva on 30<sup>th</sup> and 31<sup>st</sup> January, 2015.

**Chinchu Rani Vincent**

1. Participated in the **National Conference on Pro active coping strategies for Developing Mental Wellbeing.** organised by St. Joseph's Training College Mannanam on 9<sup>th</sup> and 10<sup>th</sup> January 2015.

**Dr. M.K. Mathew**

1. Participated in a National Seminar on Psychology for Harmonious Living, organized by the Dept. of Psychology, UC College Aluva on 30<sup>th</sup> and 31<sup>st</sup> January, 2015.

**Dr. Joseph O C**

1. Participated in the UGC sponsored National Seminar on Autonomy and quality Assurance in Higher Education- Achievements Issues and Challenges organized by IQAC, K.E College, Mannanam held on 12<sup>th</sup> & 13<sup>th</sup> February 2015.

**Lt. Jobin Vargheese. P**

1. Participated in the UGC sponsored National Seminar on Autonomy and quality Assurance in Higher Education- Achievements Issues and Challenges organized by IQAC, K.E College, Mannanam held on 12<sup>th</sup> & 13<sup>th</sup> February 2015.

**Dr. Smitha.S**

1. Participated in the Two day Workshop on Statistical Data Analysis using R sponsored by the Directorate of Collegiate Education, Govt of Kerala and organized by the Post Graduate Department of Statistics Maharaja's College, Ernakulam during 14-15 October 2014.
2. Participated in the International Seminar on Queues and Graphs (ISQG) organized by the Post Graduate & Research Department of Mathematics, St. Peters College Kolenchery on 7 th January 2015.
3. Participated in the UGC sponsored National Seminar on Autonomy and quality Assurance in Higher Education- Achievements Issues and Challenges organized by IQAC, K.E College, Mannanam held on 12<sup>th</sup> & 13<sup>th</sup> February 2015.
4. 4.Presented a paper entitled “ Some results on Generalized Inaccuracy Measure” in the two day UGC sponsored National Seminar on the theme “Recent advance and trends in Statistics and Data Analysis” organized by the Department of Statistics, S. N. College, Chempazhanchy, Trivandrum in association with Kerala Statistical institute, Trivandrum during March 26-27, 2015.

**Dr. Sindhu. E.S**

1. Participated in the Two day Workshop on Statistical Data Analysis using R sponsored by the Directorate of Collegiate Education, Govt of Kerala and organized by the Post Graduate Department of Statistics Maharaja's College, Ernakulam during 14-15 October 2014.
2. Participated in the International Seminar on Queues and Graphs (ISQG) organized by the Post Graduate & Research Department of Mathematics, St. Peters College Kolenchery on 7 th January 2015.
3. Participated in the UGC sponsored National Seminar on Autonomy and quality Assurance in Higher Education- Achievements Issues and Challenges organized by IQAC, K.E College, Mannanam held on 12<sup>th</sup> & 13<sup>th</sup> February 2015.

**Dr. Antony Thomas**

1. National Seminar on “Financial Sector Reforms” sponsored by UGC and organized by Dept. of Commerce, K.E College Mannanam, October 2014
2. National Seminar on “Autonomy and Quality Assurance in Higher Education- Achievements, Issues and Challenges” organized by IQAC, K.E College, February 2015

**Prof.K.K. Tomy**

1. National Seminar on “Financial Sector Reforms” sponsored by UGC and organized by Dept. of Commerce, K.E College, Mannanam, 2014
2. National Seminar on “Autonomy and Quality Assurance in Higher Education- Achievements, Issues and Challenges” organized by IQAC, K.E College, Mannanam.

**Jency Francis**

1. UGC sponsored National Seminar on “Emerging trends in Banking and Finance: Opportunities, Challenges and responses” conducted by Postgraduate Department of Commerce, Newman College, Thodupuzha on 30-31 July 2015.
2. National Seminar on “Sustainable Development and the Kerala Economy” organized by the Department of Commerce, School of Business Management and Legal Studies, University of Kerala on 8<sup>th</sup> and 9<sup>th</sup> June 2015.
3. National Seminar on “Statistical Analysis and interpretation of data using statistical Package for social science (SPSS) and analysis of Moments Structure (AMOS) in Social Science Research” held on 9<sup>th</sup> and 10<sup>th</sup> of March 2015 at Government College, Kottayam, Sponsored by Department of Collegiate Education, Government of Kerala.
4. Regional Seminar on “Retail Marketing- Opportunities and Challenges” held on 12<sup>th</sup> and 13<sup>th</sup> March, 2015.

5. UGC Sponsored National Seminar on Autonomy and Quality Assurance in Higher Education –Achievements, Issues and Challenges held on 12<sup>th</sup> and 13<sup>th</sup> February 2015.
6. UGC Sponsored National Seminar on Financial Sector Reforms organised by the Post Graduate Department of Commerce K.E College, Mannanam held on 30<sup>th</sup> and 31<sup>st</sup> October 2014.

### **Divya Joseph**

1. Two day workshop on “Applications of Non Parametric Tests in Research” organised by Post Graduate Department of Commerce on 25<sup>th</sup> and 26<sup>th</sup> May 2015
2. UGC Sponsored Seminar on “use of Mobile, Social and web Technologies in Marketing” organised by Department of Business Administration, PGSR Krishnammal College for Women on 24<sup>th</sup> July 2015
3. International Multi disciplinary conference Theme: Recent inclinations in Commerce, Economics, Languages and Social Sciences held on 26<sup>th</sup> April, 2015 at Mahratta Chamber of Commerce industries and agriculture, Tilak Road, Pune, Oraganised by Leelawati College of Commerce and computer studies and international Association of Academicians and Researchers.
4. Regional Seminar on “Retail Marketing- Opportunities and Challenges” held on 12<sup>th</sup> and 13<sup>th</sup> March, 2015.
5. National Seminar on “Statistical Analysis and interpretation of data using statistical Package for social science (SPSS) and analysis of Moments Structure (AMOS) in Social Science Research” held on 9<sup>th</sup> and 10<sup>th</sup> of March 2015 at Government College, Kottayam, Sponsored by Department of Collegiate Education, Government of Kerala.
6. Faculty Development Programme on Research Methodology (12 Days) workshop on Data Analysis in Research) organised by Research and Post Graduate Department of Commerce, Kuriakose Gregorios College ,

Pampady, Kottayam, Kerala on the following dates, 13<sup>th</sup> September 2014, 14<sup>th</sup> September 2014, 15<sup>th</sup> September 2014, 18<sup>th</sup> October 2014, 19<sup>th</sup> October 2014, 13<sup>th</sup> December 2014, 14<sup>th</sup> December 2014, 03<sup>rd</sup> January 2015, 04<sup>th</sup> January 2015, 7<sup>th</sup> February 2015, 8<sup>th</sup> February 2015 and 07<sup>th</sup> March 2015.

7. UGC Sponsored National Seminar on Autonomy and Quality Assurance in Higher Education –Achievements, Issues and Challenges held on 12<sup>th</sup> and 13<sup>th</sup> February 2015.
8. UGC Sponsored National Seminar on Financial Sector Reforms organised by the Post Graduate Department of Commerce K.E College, Mannanam held on 30<sup>th</sup> and 31<sup>st</sup> October 2014.
9. UGC Sponsored National Seminar on “Multi- Variate Analysis in Commerce and Management Research “ organised by the Post Graduate Department of Commerce and Tourism, Catholicate College, Pathanamthitta held on 28<sup>th</sup> and 29<sup>th</sup> November, 2014.

### **Neethu Jose**

1. National Seminar on Financial Sector Reforms sponsored by UGC and organized by Dept. of Commerce, K.E College Mannanam, October 2014
2. National Seminar on autonomy and Quality Assurance in Higher Education- Achievements, Issues and Challenges organized by IQAC, K.E College Mannanam
3. National Seminar on “Statistical Analysis and Interpretation of Data using SPSS and AMOS in Social Science Research” organized by Department of Commerce, Government College, Nattakom, March 2015

### **State**

#### **Ms. Nisha Maria E.G**

1. Wetland Ecosystems, St. Aloysius College Edathua, 13/2 /2015

**Sr. Jessy Joseph Kavumkal**

1. Frontiers in Wildlife Biology, St. Berchman's College Changanacherry

**ANNEXURE III**

**FACULTY PRESENTED PAPERS**

**International**

### **Dr.Antony Thomas**

1. 'Personal Finance and Investment management of Gulf-returned Keralites,'  
2nd International Conference on "Managing the Asian Century"-  
ICMAC14,Bali Indonesia, November 2014

### **Dr.Jesty Thomas**

1. "Synthesis, crystal structure photoluminescence study of a novel lanthanide-organic framework", Jesty Thomas, K.S. Ambili, International conference on Science, Technology and Applications of Rare earths (ICSTAR 2015) held at Thiruvananthapuram during April 23<sup>rd</sup> – 25<sup>th</sup> 2015.
2. "Solar Photocatalytic Degradation of 4-Chlorophenol Using Nd<sup>3+</sup> Doped Nano TiO<sub>2</sub>", Jesty Thomas, Radhika.S, Third International conference on Advanced Oxidation Processes AOP 2014 September 25<sup>th</sup> -28<sup>th</sup> , Munnar.

### **Dr. Giable George**

1. International Conference on Science, Technology and Applications of Rare Earths (STAR 2015). Organised by rare earth association of India in association with CSIT-NIIST Trivandrum.2015.

### **(Fr.) Joby Joseph**

1. Postcolonial Presence and Representation: A Re-reading of Edward Said's Orientalism. International Conference on Transitions: Literature, Language and Culture. Garden City College, Bangalore, Karnataka,6-7 February, 2015.
2. Errors, Correction and Remedial Work in Classroom Teaching with particular reference to Skill based Learning and Teaching. International Conference on Trends and Innovations in Language Teaching. Satyabama University, Chennai,

### **Dr. Rosamma Mathew**



1. Paper on “Impact of Western Education on the Cultural Evolution of Kerala” at the International Conference on the Milestones of Kerala History at Baselius College, Kottayam on 14<sup>th</sup> August 2014.

### **National**

#### **Dr. Cyriac Joseph**

1. Maternal Health Care Expenditure in India, National Seminar on “Many faces of gender inequality: challenges to Indian Economy and Society (25<sup>th</sup> and 26<sup>th</sup> September 2014), at Research Department of Economics B.K College Amaligiry

#### **Amal Sharin T J**

1. Maternal Health Care Expenditure in India, National Seminar on “Many faces of gender inequality: challenges to Indian Economy and Society (25<sup>th</sup> and 26<sup>th</sup> September 2014), at Research Department of Economics B.K College Amaligiry

#### **Ms. Rinu Jose**

1. Presented a paper titled “High and volatile food prices and food security: Key issues and relevance for India , National Seminar on Volatility in macroeconomic indicators: challenges and prospects of Indian economy(29<sup>th</sup>,29<sup>th</sup> and 30<sup>th</sup> Aug 2014, at C.M.S college Kottayam.
2. Presented a paper titled Green Growth: Impact of Bio-fuels on Agriculture and Environment in India”, National Seminar Social dimensions of Green Economy and Sustainable development”(25<sup>th</sup>,26<sup>th</sup> Sept2014, at Govt. College , Chittur,Palakkad

#### **Dr. Jesty Thomas**

1. “Nd<sup>3+</sup> doped TiO<sub>2</sub> incorporated with heteropolyacid: an efficient solar photocatalyst for degradation of 4-chlorophenol”, *Radhika.S, **Jesty Thomas***, 27<sup>th</sup> Kerala Science Congress, 27<sup>th</sup>-29<sup>th</sup> January 2015, Alapuzha.

2. "Synthesis and applications of graphitic carbon nitride photocatalyst", **Jesty Thomas**, Radhika S, Minnu.P.Raveendran, UGC sponsored National Seminar on "Chemistry for Tomorrow's World" 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.
3. "Solvothermal synthesis and crystal structure of a novel luminescent Samarium-Fluorescein Metal-Organic Framework", **Jesty Thomas**, Ambili.KS, UGC sponsored National Seminar on "Chemistry for Tomorrow's World" 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.
4. "Enhanced solar photocatalytic degradation of Endosulfan using Nanogold doped TiO<sub>2</sub> nanotubes", **Jesty Thomas**, Ambili.KS, UGC sponsored National Seminar on "Chemistry for Tomorrow's World" 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.
5. "Synthesis of a novel solar photocatalyst: Nd<sup>3+</sup>-TiO<sub>2</sub>-HPA", Radhika.S, **Jesty Thomas**, National Seminar on Chemistry for Tomorrow's World, 22<sup>nd</sup>-23<sup>rd</sup> January 2015, B.K.College, Amalagiri, Kottayam.
6. "Synthesis of novel luminescent hybrid material with titania, europium ions and para-aminobenzoic acid (PABA)", Ambili.KS, **Jesty Thomas**, UGC sponsored national seminar on Recent and Emerging Advances in Chemical Science REACS-2015", 8-9<sup>th</sup> January 2015, All Saints College, Thiruvananthapuram.
7. "TiO<sub>2</sub> nanoparticles modified with porphyrin: an efficient photocatalyst for the degradation of organic pollutants under sunlight", Radhika.S, **Jesty Thomas**, National Seminar on Recent and Emerging Advances in Chemical Sciences (REACS-2015) 08-09 January 2015, All Saints College, Thiruvananthapuram.
8. "Solar photocatalytic degradation of 4-chlorophenol by nano TiO<sub>2</sub> modified with porphyrin", Radhika.S, **Jesty Thomas**, National Seminar on Emerging Nanomaterials (NSEN 2015), 06<sup>th</sup>-07<sup>th</sup> January 2015, Deva Matha College, Kuravilangadu.

9. "Synthesis, crystal structure and luminescence property of a lanthanide-organic framework", Ambili.KS, **Jesty Thomas**, National Seminar on Recent trends in Chemistry-RtriC-2014", 6-7 November 2014, Baselius College, Kottayam.
10. "Nano TiO<sub>2</sub> modified with porphyrin: an efficient solar photocatalyst for the degradation of 4-chlorophenol" Radhika.S, **Jesty Thomas**, National Seminar on Advances in Materials Chemistry (ADMAC I) 15<sup>th</sup>-17<sup>th</sup> October 2014, Christian College, Chengannur.
11. "Crystal structure and luminescence property of a novel Samarium-Fluorescein framework", Ambili.KS, **Jesty Thomas**, UGC sponsored National seminar on "Advances in Material Science-ADMAC-2014" 15<sup>th</sup>-17<sup>th</sup> October 2014, Christian College, Chengannur.
12. "TiO<sub>2</sub> nanotubes modified nanogold: an efficient solar photocatalyst for the degradation of endosulfan", Radhika.S, **Jesty Thomas**, National Seminar on Nanochemistry and Nanobiotechnology (NANOCHEMBIO 2014) 08<sup>th</sup>-09<sup>th</sup> October 2014, St.Thomas College, Pala.
13. "Porphyrin doped nano TiO<sub>2</sub> photocatalyst for the degradation of organic pollutants under sunlight", Radhika.S, **Jesty Thomas**, Jineesh.N, National Seminar on Present and future scope of Nanoscience and Nanotechnology (BAM NANST-2014) 2<sup>nd</sup>- 4<sup>th</sup> September, BAM College, Thuruthicad, Thiruvalla.
14. "Synthesis of a novel solar photocatalyst: Nd<sup>3+</sup>-TiO<sub>2</sub>-HPA", Radhika.S, **Jesty Thomas**, National Seminar on Nanostructured Materials (NSM 2014), 12<sup>th</sup>-13<sup>th</sup> August-2014, N.S.S College, Changanacherry.
15. "Solar photocatalytic degradation of Endosulfan using nanogold doped TiO<sub>2</sub> nanotubes", **Jesty Thomas\***, Ambili K.S, National Seminar on Nanostructured Materials (NSM 2014), 12<sup>th</sup>-13<sup>th</sup> August NSM-2014, NSS College, Changanacherry.
16. "Nano TiO<sub>2</sub> modified with porphyrin molecules: An efficient solar photocatalyst for the degradation of organic pollutants", Radhika.S,

**Jesty Thomas**, Jineesh.N, National Conference on Recent Advances in Spectroscopy (2014), 31<sup>st</sup> July- 1<sup>st</sup> August, M.A.College, Kothamangalam.

17. “Studies on the synthesis and luminescence property of a novel lanthanide-organic framework”, Ambili KS, **Jesty Thomas**, Recent Advances in Spectroscopy, National conference, MA College, Kothamangalam, 31<sup>st</sup> July and 1<sup>st</sup> August 2014.

#### **Ms. Linta Maria Jose**

1. Development of Silver Nanoparticle Encapsulated Bovin Serum Albumin as effectiveAntimicrobial Agent, **Linta Maria Jose** ,Sunny Kuriakose and Tessymol Mathew, *UGC sponsored National Seminar on “Nanochemistry and Nanobiotechnology” (NANOCHEMBIO 2014)*, 08<sup>th</sup>-09<sup>th</sup> October 2014, St.Thomas College, Pala.
2. Synthesis and Antibacterial Studies of Water Soluble,Silver Nanoparticle encapsulated Bovin Serum Albumin, **Linta Maria Jose** and Sunny Kuriakose, *UGC sponsored National Seminar on “Modern Trends in Chemistry”(FRONTIERS 2015)*,05<sup>th</sup> -6<sup>th</sup> January 2015,St.George College Aruvithura.
3. BSA Stabilized Silver Nanoparticles: An Effective Antimicrobial Agent Against Human Opportunistic Pathogens, **Linta Maria Jose** and Sunny Kuriakose,*UGC sponsored National Seminar on “Chemistry for Tomorrow’s World”, 22<sup>nd</sup> and 23<sup>rd</sup> January 2015*, BK College Amalagiri, Kottayam.

#### **Dr. Giable George**

1. *Nanocomposites Derived from Polymers and Inorganic Nanoparticles*, **Giable George**, PG Nibu. UGC sponsored National Seminar on, Modern trends in chemistry, held at St: George College, Aruvithara, 2015.
2. *Preparation and application of metal oxide nanoparticle by polymeric precursor method: pechini method*, **Giable George**, PG Nibu.UGC sponsored National Seminar on Chemistry for tomorrow world, held at Bishop Kurialacherry College for Women, Amalagiri. 2015.

3. *Properties and application of polymer inorganic nanocomposite*, **Gioble George**, PG Nibu. UGC sponsored National Seminar on Chemistry for tomorrow world, held at Bishop Kurialacherry College for Women, Amalagiri. 2015.

#### **Dr. Mercy Mathews**

1. Presented a paper at UGC sponsored national seminar on advanced materials, Vimala College- February 2014

#### **Dr Sujarani Mathew**

1. **The Subaltern Speaks: BuchyEmcheta's Joy's of Motherhood** in the National Seminar held at Newman College ,Thodupuzha.
2. **Female Protagonist as Iconoclast in New Generation Cinema** in the National Seminar organized by Govt. College, Kattappana.
3. **Reviewing Womanism: Concept and Strategies** in the National Seminar conducted by Alphonsa College, Pala.

#### **Rony George**

1. Presented a paper titled ***Fiction as Critiquing History in SalamnRushdie's "Shame"*** , in the National Seminar on Creative Writing : Creolizing Culture at T.M Jacob Memorial Government College Manimalakunnu, Ernakulam.
2. Presented a paper in the UGC sponsored seminar on *Autonomy and Quality Assurance in Higher Education: Issues and Challenges*, conducted by IQAC, K.E College Mannanam in February 2014.

#### **Fr. Joby Joseph Mukalel**

1. *Vision and Mission of Swami Vivekananda: The Educationist par excellence*. UGC Sponsored National Seminar on Education for

- Liberation: Contributions of Swami Vivekananda. St. Joseph's Training College, Mannanam, Kerala, 6-7 February, 2015.
2. *Postcolonial Representation in Edward Said's Orientalism-Redefining Tradition and Identity*. UGC Sponsored National Conference on Plurality of Cultures and Contexts: Aesthetics of Postcolonial Quest Today. St. Xavier's College, Palayamkottai, Tamilnadu, 9-10 December, 2014.
  3. *Bakha, a Hero of the marginalized Section*. UGC Sponsored National Seminar on The Literature of the Marginalized. SreeSevuganAnnamalai College, Devakottai, Tamilnadu, 11 October, 2014.
  4. *Searching for Identity: A Dalit's Story*. ICSSR Sponsored National Seminar on Indian Literature: Interrogating Dalit Literature. Thiruvalluvar University, Vellore, Tamilnadu, 9-10 October, 2014.
  5. *Race Consciousness and Postcolonial Representation: A Re-reading of Edward Said's Orientalism*. National Seminar on Transnationalism in Commonwealth Literature. PKR Arts and Science College, Gobichettipalayam, Tamilnadu, 21 January, 2015.
  6. *Binary Representations in Edward Said's Orientalism*. UGC Sponsored National Seminar on Binary Elements in Postcolonial Literatures, Saraswathi Narayanan College, Madurai, Tamil Nadu, 13- 14 March 2015.
  7. *Linking Literature and Technology: A Challenge to Modern Classrooms*. National Conference on Status and Prospects of English in the Digital Era, Tamil Nadu Open University, Chennai, 10 April 2015.

#### **Dr. T.M Mathew**

1. Presented a Paper on "Part played by Dr. (Ms.) Soundram to Establish a Casteless and Classless society in Gandhigram" at the UGC sponsored Two Day National seminar on Religious Harmony in Kerala with special Reference to Gandhian Thoughts held on 13<sup>th</sup> & 14<sup>th</sup> August 2014 at K.E College, Mannanam.

#### **Dr. Rosamma Mathew**

1. Paper on “Women Development Programmes: A Key to the Growing Status and Empowerment of Women in Kerala” at the UGC sponsored National seminar on Changing Employment Status and Resource Mobilization of Women in Kerala at Alphonsa College, Pala, 24<sup>th</sup> July 2014.
2. Presented a Paper on “Religious Harmony in Post Colonial Kerala: An Over view” at the UGC sponsored Two Day National seminar on Religious Harmony in Kerala with special Reference to Gandhian Thoughts held on 13<sup>th</sup> & 14<sup>th</sup> August 2014 at K.E College, Mannanam.
3. Paper presented on “Human Resource & Heritage Management: An Overview” in the UGC sponsored Two Day National seminar on Autonomy and Quality Assurance in Higher Education- Achievements, Issues and Challenges on 12<sup>th</sup> & 13<sup>th</sup> February 2015.

**Mrs. Sijimol C.G**

1. Presented a Paper on “Religious Harmony Backed by the Philosophy of Kumaran Asan: An Evaluation” at the UGC sponsored Two Day National seminar on Religious Harmony in Kerala with special Reference to Gandhian Thoughts held on 13<sup>th</sup> & 14<sup>th</sup> August 2014 at K.E College, Mannanam.

**Mr. Tintu K.J**

1. Presented a Paper on “Religious Harmony in Early Kerala (c.9<sup>th</sup> cy. AD to 16<sup>th</sup> cy AD) An Alternative Reading, with special Reference to Syrian Christians” at the UGC sponsored Two Day National seminar on Religious Harmony in Kerala with special Reference to Gandhian Thoughts held on 13<sup>th</sup> & 14<sup>th</sup> August 2014 at K.E College, Mannanam.
2. Presented a paper entitled “Engagements of Early Christians in Kerala Society (c.9<sup>th</sup> cy. AD to 16<sup>th</sup> cy AD) on the Indian History Congress at Jawaharlal Nehru University, New Delhi from 28<sup>th</sup> to 30<sup>th</sup> December 2014.

**Fr. Johnson Joseph**

1. Presented a paper on Developing resilience among Tribal Young Adults in Kerala in the National Conference on Pro active coping strategies for Developing Mental Wellbeing. organised by St. Joseph's Training College Mannanam on 9<sup>th</sup> and 10<sup>th</sup> January 2015.

**Chinchu Rani Vincent**

1. Presented a paper on in the National Conference on Pro active coping strategies for Developing Mental Wellbeing. organized by St. Joseph's Training College Mannanam on 9<sup>th</sup> and 10<sup>th</sup> January 2015

**Dr. Dhannya P Joseph**

1. Presented a paper "Generalized Gamma Density with some Extensions and Structural Representations" on UGC Sponsored National Seminar

**Jency Francis**

1. "Mobile Banking Services of SBI and its usage among customers: A study based on Pala Municipality" UGC sponsored National Seminar on "Emerging trends in Banking and Finance: Opportunities, Challenges and responses" conducted by Postgraduate Department of Commerce, Newman College, Thodupuzha on 30-31 July 2015.
2. "Customer Relationship Management in IDBI Bank-A study based on Kottayam District" National Seminar on "Sustainable Development and the Kerala Economy" organized by the Department of Commerce, School of Business Management and Legal Studies, University of Kerala on 8<sup>th</sup> and 9<sup>th</sup> June 2015.
3. Presented a paper titled "Green Marketing – A study Based on Business Organisations in Kottayam District" in the National Seminar on "Statistical Analysis and interpretation of data using statistical Package for social science (SPSS) and analysis of Moments Structure (AMOS) in Social Science Research" held on 9<sup>th</sup> and 10<sup>th</sup> of March 2015 at Government



College, Kottayam, Sponsored by Department of Collegiate Education, Government of Kerala.

4. Presented a paper titled “Perception of Individual Investors towards Derivative Instruments:A Study Based on Idukki District”, UGC Sponsored National Seminar on Autonomy and Quality Assurance in Higher Education –Achievements, Issues and Challenges held on 12<sup>th</sup> and 13<sup>th</sup> February 2015.
5. Presented a paper titled “Factors affecting Financial Literacy-A study based on Kottayam District”, in the UGC Sponsored National Seminar on Financial Sector Reforms organised by the Post Graduate Department of Commerce K.E College, Mannanam held on 30<sup>th</sup> and 31<sup>st</sup> October 2014.

### **Divya Joseph**

1. Presented a paper titled “Tourists Satisfaction towards Tourism Services – A Case Study of Kovalam as a Tourist Destination in the National Seminar on Autonomy and Quality Assurance in Higher Education- Achievements, issues and Challenges held on 12<sup>th</sup> and 13<sup>th</sup> February, 2015 organised by IQAC, K.E College, Mannanam.
2. Presented a paper titled “E-Payment under Direct Benefit Transfer Scheme” in the UGC sponsored National Seminar on Financial Sector Reforms organised by the Post Graduate Department of Commerce, K.E College Mannanam held on 30<sup>th</sup> and 31<sup>st</sup> October 2014.
3. Presented a paper in the National Seminar on “Multi- Variate Analysis in Commerce and Management Research” titled “Responsible Tourism Initiatives in Kumarakom Backwater Destination: A Study Based on Business Organisations” held on 28<sup>th</sup> and 29<sup>th</sup> Novemeber, 2014 organised by Post Graduate Department of Commerce and Tourism, Catholicate College, Pathanamthitta.
4. Presented a paper titled “Influence of Social Media Marketing Strategies on the Youth” in the UGC Sponsored National Seminar on “Use of Mobile,Social,and Web Technologies in Marketing” Organised by

Department of Business Administration, PGSR Krishnammal College for Women on 24<sup>th</sup> July, 2015.

5. Presented a paper titled “Impact o Celebrity Advertisement on Gold Purchase Behaviour: A Study based on Kottayam District” International Multi disciplinary conference Theme: Recent inclinations in Commerce, Economics, Languages and Social Sciences held on 26<sup>th</sup> April, 2015 at Mahratta Chamber of Commerce industries and agriculture, Tilak Road, Pune, Oraganised by Leelawati College of Commerce and computer studies and international Association of Academicians and Researchers.
6. Presented a paper titled “Green Marketing – A study Based on Business Organisations in Kottayam District” in the National Seminar on “Statistical Analysis and interpretation of data using statistical Package for social science (SPSS) and analysis of Moments Structure (AMOS) in Social Science Research” held on 9<sup>th</sup> and 10<sup>th</sup> of March 2015 at Government College, Kottayam, Sponsored by Department of Collegiate Education, Government of Kerala.

## RESOURCE PERSONS

### **International**

#### **Dr. Babu Joseph**

1. Participated as Chief Guest and delivered a Lecture on 'Ramkatha Ka Vaishvik Sanderbh' in an International Seminar conducted by Mahatma Gandhi International Institute, Mauritius, Mauritius and Sahithyik Sanskritik Shodh Sanstha, Mumbai on 09 -01- 2015 at Mahatma Gandhi International Institute, Mauritius.
2. The World Hindi Secretariat at Mauritius observed the World Hindi Day in collaboration with Ministry of Education & HR, Tertiary Education and Scientific Research, Mauritius and High Commission of India on Jan 10<sup>th</sup> 2015. The Indian Representatives at the gathering including Dr Babu Joseph were honoured at the function in a State dinner with the Maritius President His Excellency Rajkeshwar Purryag, Mrs. Leela Devi Dookun Luchoomun, Hon'ble Minister of Education and HR, Tertiary Education and Scientific Research and Sri. Anup Kumar Mudgal, High Commissioner of India.
3. Participated as Resource Person and delivered a Lecture on 'Ramkatha Ka Vaishvik Sanderbh – Adhyatma Ramayan Ke Sanderbh Mein' in an International Seminar conducted by Hindi Pracharini Sabha, Mauritius and Sahithyik Sanskritik Shodh Sanstha, Mumbai on 10 -01- 2015 at Hindi Bhavan, Mauritius.
4. Participated as Chief Guest and delivered a Lecture on 'Ramkatha Ahunikata Ke Sanderbh –Mein' in an International Seminar conducted by Hindi Pracharini Sabha, Mauritius and Sahithyik Sanskritik Shodh Sanstha, Mumbai on 11 -01- 2015 at Gold Crest Hotel, Mauritius.
5. Participated in the World Hindi Day Celebrations at the Vishva Hindi Sachivalay, Mauritius conducted by Hindi Pracharini Sabha, Mauritius, World Hindi Secretariat, Mauritius and Sahithyik Sanskritik Shodh Sanstha, Mumbai on 10 -01- 2015 at Gold Crest Hotel, Mauritius.

### **Dr. Antony Thomas**

1. Dr. Antony Thomas has chaired a session in the International seminar held at Bali, Indonesia, in November 2014.

### **National**

### **Dr. Jesty Thomas**

1. Dr. Jesty Thomas is an advisory board member of the journal “Technology and Future” Journal of Science and Technology, a biannual research journal.
2. Dr. Jesty Thomas served as expert member for “Revenue District Science Inspire Award Exhibition” organised by Ministry of Human Resource Department, Government of India.
3. Dr. Jesty Thomas is the reviewer of research articles for “International Conference on Material Technology and Environmental Engineering (MTEE 2015) Shanghai, China[.
4. Dr. Jesty Thomas is the reviewer of the research articles for “International Conference “PCM 2015, held at China.
5. Dr. Jesty Thomas is nominated and selected as Indian examiner for Ph.D thesis evaluation of Anna University, Chennai.

### **Dr.Sandhya C**

1. Served as Convenor of Expert committee in Complementary Biochemistry, MG University
2. Served as Chairperson for IIIrd and Ist sem B.Sc Complementray Biochemistry examination, MG University
3. Served as judge for the Revenue District Science Inspire Award Exhibition organised by Ministry of Human Resource Department , Government of India and conducted by General Education Department, Government of Kerala held at MD Seminary Higher Secondary School, Kottayam on 2<sup>nd</sup> August 2014.

**Dr. Sebastian Mathew**

1. Key note address in national science day celebration, St. Josephs B.ed College, Mannanam- March 2015

**Dr. Mathews T Thelly**

1. Seminar- “Utilization Management and conservation of medicinal plants” at B K College ,Amalagiri, **Topic -Medicinal plants**
2. At St. Johns College, Anchal, **Topic – Ozone depletion**
3. **Topic- Sustainable issues in Western Ghats**, at St. Micheals college, Cherthala

**Dr. M.K.Mathew**

1. Acted as the resource persons in a National Seminar on Psychology for Harmonious Living, organized by the Dept. of Psychology, UC College Aluva on 30<sup>th</sup> and 31st January , 2015.

**Fr. Johnson Joseph**

1. Acted as the resource persons in a National Seminar on Psychology for Harmonious Living, organized by the Dept. of Psychology, UC College Aluva on 30<sup>th</sup> and 31st January , 2015.

**Ms.Aswathy A. Nair**

1. Worked as a resource person for UGC NET coaching at Employment and Carrier Guidance Bureau of M.G.University on 13<sup>th</sup> September, 2015.

**Dr Sujarani Mathew**

1. Acted as Resource Person in a National seminar on Recent Trends in Literary Theory at Devamatha College Kuravilangad. In November 2104.

**Rony George**

1. Resource Person at Kerala Agricultural University, Mannuthy, Thrissur.
2. M. G university, Employment Guidance Bureau

**Fr. Joby Joseph Mukalel**

1. Acted as Subject Expert in the Interview panel in Christ Nagar College, Trivandrumon 24-5-2014/17-6-2015
2. Delivered a lecture on Skill Development in Communicative English at K. E Carmel Central School, Kuchapuram on 6<sup>th</sup> June 2015.

**National****Dr. Babu Joseph**

1. Delivered a Lecture on Hindi Kavita Mein Bhumandalikaran Ka Pratirodh in the UGC sponsored Refresher Course conducted by the Academic Staff College, University of Kerala, Thiruvananthapuram on 20-06- 2014.
2. Participated as a Resource Person and delivered a lecture on 'Sahithya, Media Aur Cinema' in the U.G.C. Sponsored National Seminar conducted by the Dept. of Hindi, M. E. S. College Nedunkandam, Idukki on 13-11-2014
3. Participated as a Resource Person and delivered a lecture on 'Samkaleen Hindi Natak Mein Manavadhikar Ki Parikalpana' in the U.G.C. sponsored National Seminar conducted by the Dept. P. G. & Research of Hindi, Nirmala College Muvattupuzha on 21-11-2014.
4. Participated as a Resource Person and delivered a lecture on 'Madhyakaleen Malayalam Muktak Sahithya' in the National Seminar conducted by the Dept of Hindi, St. Pious X Degree & PG College for Women, Hyderabad and Central Hindi Directorate, Agra (Ministry of Human Resource Development, Govt. of India) on 2- 12- 2014.

**FACULTY INVOLVED IN CURRICULUM RESTRUCTURING**

Our college is affiliated to Mahatma Gandhi University. Many teachers are actively working as Board of Studies members, both in Degree and PG levels.

From the Department of Chemistry, Dr. James C. Joseph is a member of UG Board of Studies. Dr. Jollyamma Mathew of the same Department is a member of recently constituted PG board of studies.

Dr. Mathews T Thelly of the Department of Botany is a member, expert committee constituted by the Mahatma Gandhi University and he is actively involved in curriculum development of UG course.

Two teachers of the Department of Commerce, Dr. Antony Thomas and Prof. Georgekutty S.M Poovathettu have been selected as members of P.G Board of Studies in Commerce. The restructuring of M.com course is scheduled in the next year.

Dr. Cyriac Joseph, Department of Economics is holding the following positions.

- Convener, Expert Committee for Economics (UG)
- Member Board of Studies, B A Economic (CBCSS)
- Member, Expert Committee for Curriculum Restructuring, M A Economics (CSS)

Dr. Babu Joseph of the Department of Hindi took interest in curriculum restructuring in Kerala University and Sree Sankaracharya Sanskrit University, holding the following positions.

- Faculty Member- Faculty of Oriental Studies , Kerala University
- Faculty Member- Faculty of Indian Languages, Sree Sankrachayra Sanskrit University, Kalady

Dr. Babu Joseph – Member, Board of Studies of Modern Indian Languages – Farook College (Autonomous ) Kozhikode.

Dr. Brigit Paul – Member – U.G . Board of Studies, M.G University,

Dr. Rosamma Mathew, department of History is a Member of Board of Studies in History, Mahatma Gandhi University, Kottayam. She is also a Subject Expert in History, Mahatma Gandhi University, Kottayam.

Prof. P J Joy, Department of Mathematics was in the curriculum revision and syllabus development as the convener of subject expert committee constituted by M G University.

Prof. Joby Joseph, Department of Physics has been selected as members of P.G Board of Studies in Physics, Mahatma Gandhi University. The restructuring of M.Sc Physics is in progress.

Dr. M.K. Mathew and Fr. Johnson Joseph of department of Psychology are members of Expert Committee in Psychology and participated in curriculum restructuring work of Mahatma Gandhi University, Kottayam.



## RESEARCH PUBLICATIONS

International journals**Dr. Jini Thomas**

1. Growth, Structure and Optical Properties of an Efficient NLO Crystal-Aqua maleatocopper(II) Optik-Int J. Light Electron Opt.125(2014) 191-195
2. Growth and Charecterization of a novel crystal-barium malate trihydrate,IOSR Journal of Applied Physics (IOSR- JAP) 6(3) (2014) 56-61
3. Structural, thermal and dielectric properties of cadmium malate single crystal grown in limited diffusion media, IOP Conference series:Material Science and Engineering 73 (2015) 012087

International journals**Dr. Jesty Thomas**

1. "Nanogold doped nano TiO<sub>2</sub> – an efficient solar photocatalyst for the degradation of persistent organic pollutants", **Jesty Thomas**, Chitra K.R, Advanced Materials Research, 938 (2014) 292-296 (Impact factor 3).
2. "Nanogold doped TiO<sub>2</sub> nanotubes: efficient solar photocatalyst for degradation of endosulfan', **Jesty Thomas**, Chitra K.R, Materials Focus, 3 (2014) 233-238 (Impact factor 3).
3. "Novel luminescent inorganic-organic hybrid material synthesised by grafting 8-hydroxyquinoline - samarium complex on zeolite Y", **Jesty Thomas**, K.S.Ambili, Science of Advanced Materials, 6 (2014) 01-06 (Impact factor 3).
4. "Synthesis, crystal structure and luminescent properties of a new samarium – fluorescein metal organic framework", **Jesty Thomas**, K.S.Ambili, Journal of Molecular Structure, 1098 (2015) 167-174 (Impact factor 1.6).

National Journals

1. "Review on luminescent lanthanide containing metal-organic frameworks and their applications", Jesty Thomas, Ambili.K.S, New Numbers and Letters (ISSN NO.2320-8317), 5 (2014) 8-12.
2. "Synthesis and applications of graphitic carbon nitride photocatalyst - a review", Jesty Thomas, Radhika.S, Minnu.P.Raveendran, New Numbers and Letters (ISSN no: 2320-8317), 5 (2014) 40-44.

## **Conference proceedings**

### **International level**

1. "Synthesis, crystal structure photoluminescence study of a novel lanthanide-organic framework", **Jesty Thomas**, K.S. Ambili, International conference on Science, Technology and Applications of Rare earths (ICSTAR 2015) held at Thiruvananthapuram during April 23<sup>rd</sup> – 25<sup>th</sup> 2015.
2. "Solar Photocatalytic Degradation of 4-Chlorophenol Using Nd<sup>3+</sup> Doped Nano TiO<sub>2</sub>", **Jesty Thomas**, Radhika.S, Third International conference on Advanced Oxidation Processes AOP 2014 September 25<sup>th</sup> -28<sup>th</sup> , Munnar.

### **National level**

1. "Nd<sup>3+</sup> doped TiO<sub>2</sub> incorporated with heteropolyacid: an efficient solar photocatalyst for degradation of 4-chlorophenol", *Radhika.S, Jesty Thomas*, 27<sup>th</sup> Kerala Science Congress, 27<sup>th</sup>-29<sup>th</sup> January 2015, Alapuzha.
2. "Synthesis and applications of graphitic carbon nitride photocatalyst", Jesty Thomas, Radhika S, Minnu.P.Raveendran, UGC sponsored National Seminar on "Chemistry for Tomorrow's World" 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.
3. "Solvothermal synthesis and crystal structure of a novel luminescent Samarium-Fluorescein Metal-Organic Framework", Jesty Thomas, Ambili.KS, UGC sponsored National Seminar on "Chemistry for Tomorrow's World" 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.
4. "Enhanced solar photocatalytic degradation of Endosulfan using Nanogold doped TiO<sub>2</sub> nanotubes", Jesty Thomas, Ambili.KS, UGC sponsored National Seminar on "Chemistry for Tomorrow's World" 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.
5. "Synthesis of a novel solar photocatalyst: Nd<sup>3+</sup>-TiO<sub>2</sub>-HPA", Radhika.S, Jesty Thomas, National Seminar on Chemistry for Tomorrow's World, 22<sup>nd</sup>-23<sup>rd</sup> January 2015, B.K.College, Amalagiri, Kottayam.

6. "Synthesis of novel luminescent hybrid material with titania, europium ions and para-aminobenzoic acid (PABA)", Ambili.KS, *Jesty Thomas*, UGC sponsored national seminar on Recent and Emerging Advances in Chemical Science REACS-2015", 8-9<sup>th</sup> January 2015, All Saints College, Thiruvananthapuram.
7. "TiO<sub>2</sub> nanoparticles modified with porphyrin: an efficient photocatalyst for the degradation of organic pollutants under sunlight", Radhika.S, *Jesty Thomas*, National Seminar on Recent and Emerging Advances in Chemical Sciences (REACS-2015) 08-09 January 2015, All Saints College, Thiruvananthapuram.
8. "Solar photocatalytic degradation of 4-chlorophenol by nano TiO<sub>2</sub> modified with porphyrin", Radhika.S, *Jesty Thomas*, National Seminar on Emerging Nanomaterials (NSEN 2015), 06<sup>th</sup>-07<sup>th</sup> January 2015, Deva Matha College, Kuravilangadu.
9. "Synthesis, crystal structure and luminescence property of a lanthanide-organic framework", Ambili.KS, *Jesty Thomas*, National Seminar on Recent trends in Chemistry-RtriC-2014", 6-7 November 2014, Baselius College, Kottayam.
10. "Nano TiO<sub>2</sub> modified with porphyrin: an efficient solar photocatalyst for the degradation of 4-chlorophenol" Radhika.S, *Jesty Thomas*, National Seminar on Advances in Materials Chemistry (ADMAC I) 15<sup>th</sup>-17<sup>th</sup> October 2014, Christian College, Chengannur.
11. "Crystal structure and luminescence property of a novel Samarium-Fluorescein framework", Ambili.KS, *Jesty Thomas*, UGC sponsored National seminar on "Advances in Material Science-ADMAC-2014" 15<sup>th</sup>-17<sup>th</sup> October 2014, Christian College, Chengannur.
12. "TiO<sub>2</sub> nanotubes modified nanogold: an efficient solar photocatalyst for the degradation of endosulfan", Radhika.S, *Jesty Thomas*, National Seminar on Nanochemistry and Nanobiotechnology (NANOACHEMBIO 2014) 08<sup>th</sup>-09<sup>th</sup> October 2014, St.Thomas College, Pala.
13. "Porphyrin doped nano TiO<sub>2</sub> photocatalyst for the degradation of organic pollutants under sunlight", Radhika.S, ***Jesty Thomas***, Jineesh.N, National Seminar on Present and future scope of Nanoscience

and Nanotechnology (BAM NANST-2014) 2<sup>nd</sup>- 4<sup>th</sup> September, BAM College, Thuruthicad, Thiruvalla.

14. "Synthesis of a novel solar photocatalyst: Nd<sup>3+</sup>-TiO<sub>2</sub>-HPA", Radhika.S, **Jesty Thomas**, National Seminar on Nanostructured Materials (NSM 2014), 12<sup>th</sup>-13<sup>th</sup> August-2014, N.S.S College, Changanacherry.
15. "Solar photocatalytic degradation of Endosulfan using nanogold doped TiO<sub>2</sub> nanotubes", **Jesty Thomas\***, Ambili K.S, National Seminar on Nanostructured Materials (NSM 2014), 12<sup>th</sup>-13<sup>th</sup> August NSM-2014, NSS College, Changanacherry.
16. "Nano TiO<sub>2</sub> modified with porphyrin molecules: An efficient solar photocatalyst for the degradation of organic pollutants", Radhika.S, **Jesty Thomas**, Jineesh.N, National Conference on Recent Advances in Spectroscopy (2014), 31<sup>st</sup> July- 1<sup>st</sup> August, M.A.College, Kothamangalam.
17. "Studies on the synthesis and luminescence property of a novel lanthanide-organic framework", Ambili KS, **Jesty Thomas**, Recent Advances in Spectroscopy, National conference, MA College, Kothamangalam, 31<sup>st</sup> July and 1<sup>st</sup> August 2014.

## **2. Linta Maria Jose**

### **International Journals**

1. Bovin Serum Albumin Stabilized Silver Nanoparticles: Synthesis, Characterization and Antifungal Studies, **Linta Maria Jose**, Sunny Kuriakose and Tessymol Mathew, *IOSR Journal of Pharmacy and Biological Sciences*, Vol.10, Issue 3 Ver. IV, 19-25,2015. (Impact factor-1.7).

### **National Journals**

1. Synthesis and Antibacterial Studies of Silver Nanoparticle Encapsulated Bovin Serum Albumin, **Linta Maria Jose** and Sunny Kuriakose, *Research Scholar*, Vol.4. No.4, 137-142, 2014.
2. PVA Stabilized Silver Nanoparticles: An Effective Antimicrobial Agent Against Human Opportunistic Pathogens, **Linta Maria Jose** and Sunny Kuriakose, *New Numbers and Letters (ISSN no: 2320-8317)*, Vol.5, Issue 1, 76-81, 2014.

### **Conference proceedings**

1. Development of Silver Nanoparticle Encapsulated Bovin Serum Albumin as effective Antimicrobial Agent, **Linta Maria Jose** ,Sunny Kuriakose and Tessymol Mathew, *Proceedings of National Seminar on Nanochemistry and Nanobiotechnology*, 08<sup>th</sup>-09<sup>th</sup> October 2014, St.Thomas College, Pala,p:71-82.
2. Synthesis and Antibacterial Studies of Water Soluble,Silver Nanoparticle encapsulated Bovin Serum Albumin, **Linta Maria Jose** and Sunny Kuriakose, *Proceedings of National Seminar on Modern Trends in Chemistry*,05<sup>th</sup> -6<sup>th</sup> January 2015,St.George College Aruvithura,p:57-71.
3. BSA Stabilized Silver Nanoparticles: An Effective Antimicrobial Agent Against Human Opportunistic Pathogens, **Linta Maria Jose** and Sunny Kuriakose, *Proceedings of National Seminar on Chemistry for Tomorrow's World*, 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.

### **3. Dr. Giable George**

#### **International Journals**

1. The structural and optical study of titanium doped rare earth pigments and coloring application **Giable George**, *Dyes and Pigments*,112, 2015,85. (Impact factor-3.5).

#### **National Journals**

1. Design and development of non-toxic alkali metal doped Pr<sub>2</sub>Mo<sub>2</sub>O<sub>9</sub> Green-Yellow Pigments **Giable George**, *Research Scholar*, 2, 2014

### **Conference proceedings**

#### **International level**

1. *Epoxide assisted sol-gel synthesis of environmentally benign inorganic nanopigments with high optical properties*, **Giable George**, PG Nibu. *Proceedings International Conference on Science, Technology and Applications of Rare Earths (STAR 2015)*. Organised by rare earth association of India in association with CSIT-NIIST Trivandrum.2015.

#### **National level**

2. *Nanocomposites Derived from Polymers and Inorganic Nanoparticles*, **Giable george**, PG Nibu. , *Proceedings UGC sponsored*

National Seminar on “Modern Trends in Chemistry”(FRONTIERS 2015),05<sup>th</sup> -6<sup>th</sup> January 2015,St.George College Aruvithura.

3. *Preparation and application of metal oxide nanoparticle by polymeric precursor method: pechini method*, **Giabale George**, PG Nibu. *Proceedings UGC sponsored National Seminar on “Chemistry for Tomorrow’s World”* 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.
4. *Properties and application of polymer inorganic nanocomposite*, **Giabale George**, PG Nibu. *Proceedings UGC sponsored National Seminar on “Chemistry for Tomorrow’s World”* 22<sup>nd</sup> and 23<sup>rd</sup> January 2015, BK College Amalagiri, Kottayam.

### **Dr.Shyla George**

#### **International Journals**

1. Lonneke van der Linden, Rachel Ulferts , Sander B. Nabuurs, Yuri Kusov, Hong Liu, **Shyla George**, Céline Lacroix, Nesya Goris, David Lefebvre, Kjerstin H.W. Lanke, Kris De Clercq, Rolf Hilgenfeld, Johan Neyts, Frank J.M. van Kuppeveld; Application of a cell-based protease assay for testing inhibitors of picornavirus 3C proteases, *Antiviral Research*, **2014**, 103, 17.
2. Céline Lacroix, **Shyla George**, Pieter Leyssen, Rolf Hilgenfeld, and Johan Neyts; The enterovirus 3C protease inhibitor SG85 efficiently blocks rhinovirus replication and is not cross-resistant with rupintrivir.*Antimicrobial Agents and Chemotherapy* AAC.00534-15; Accepted manuscript posted online 8 June **2015**

### **Dr. Antony Thomas**

1. Income, expenditure and Investment Pattern of Gulf Keralites, (*Financial sector Reforms in India Edited Book*), November 2014, ISBN: 978-81-907782-99
2. Financial literacy among working Women in Kerala, (Anthology of Contemporary research studies, Edited Book), March 2015, ISBN: 978-81-907782-6-1

### **Dr. Cyriac Joseph**

1. “Attitude Towards Family size and Contraception Among Indian Youth” New Numbers and Letters, Vol V, Issue 1, December 2014, pp17-22.

### **Ms.Rinu Jose**

1. ”Female Workforce participation in Kerala: Trends and Determinants” New Numbers and Letters, Vol V, Issue 1, December 2014, pp34-41.

**Ms. Gincy Lukose V**

1. "Consumer Rights Awareness and Socio-Economic Status Among the Undergraduate students of Kottayam District" New Numbers and Letters, Vol V, Issue 1, December 2014, pp59-69.

**International journal****Dr Sujarani Mathew**

1. "The Gendered Subaltern at Crossroads: Positioning Colonial Africa in Buchi Emecheta's *Joys of Motherhood*" Innovative Thoughts International Research Journal Vol 2.2 October 2014.  
[http://itirj.naspublishers.com/issue/article\\_in\\_issue/2/2/3](http://itirj.naspublishers.com/issue/article_in_issue/2/2/3)

**National:****Fr. Joby Mukalel**

1. "Postcolonial Representation in Edward Said's *Orientalism*- Redefining Tradition and Identity" New Numbers and Letters. Vol 5 .1Dec. 2014.

**Ms. Indu Peter**

1. "Desiring -Production on the Move in *Zorba the Greek*". New Numbers and Letters. Vol 5 .1Dec. 2014.

**Chinchu Rose George**

1. Holiness of Wilderness: Reflecting Deep Ecology in Kamala Markandaya's *The Coffer Dams*. New Numbers and Letters. Vol 5 .1Dec. 2014.

**Dr. Babu Joseph.**

1. Published a Research article on 'Samkaleen Kavita Mein Visthapan Ka Dard' in the Book 'Samkaleen Hindi Sahitya Mein Visthapan Ki Samasya Ki Abhivyakti', published by Jawahar Pustakalaya, Mathura, U. P., 2014
2. Published a research article on 'Madhyakalin Malayalam Sahitya Aur Muktak Rachanayen' in a book titled 'Madhyakalin Bharatiya Bhasha Ki Muktak Rachanayen', published by Milind Prakashan, Hyderabad, 2015.
3. Published a Research article on 'Paristiti Saondarya Sastra: Samkaleen Hindi Kavita Ke Sanderbh Mein', in the Research Journal Shodh Darpan, published by the P.G. & Research Dept. of Hindi University of Kerala, Karyvattom Campus, Thiruvananthapuram, 2015, with ISSN - 2574 2347-8152.



**Br. Brigit Paul**

1. Published a Research article on 'Aatmasajag Nari ki Vyooch Rachana' in the book '21vi Sadi ka Sahithya aur Nari Vimarsh' published by Abhishek Prakashan , New Delhi, 2015
2. Published a Research article on ' Sthri Vimarsh ki Avadharanatmak Aayam Aur Hindi Mahilalekhan' in the Interdisciplinary journal New Numbers and Letters 2014 Dec published by K.E college

**Sunny Joseph Kalayathankal**

1. Handling MADM Problems Based on Ordered Intuitionistic Fuzzy sets, Journal of fuzzy Mathematics, 22(3), 2014, 581-586.
2. The Sum and Product of Independence Numbers of Graphs and their Line Graphs, Journal of Informatics and Mathematical Sciences, 6(2), 2014, 77-85.
3. "Algebra" The Symbolic Language of Mathematics, Entire Research, 5(3), 2013, 16-19.

**Dr. Mercy Mathews**

1. Magnetic Torque Analysis of  $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$  Thin Films on  $\text{SrTiO}_3$  Substrates, New Numbers and letters ISSN 2320-8317 (2014)

**Dr. Jaiby Joseph**

1. The Hotter, Denser, Faster and Nearly Perfect quark Gluon Plasma(QGP) at RHIC-Probing the new state of matter using Charmed Mesons, New Numbers and letters ISSN 2320-8317 (2014)

**Jency Francis**

1. Ms. Jency Francis, "Perception of Individual Investors towards Derivative Instruments: A Study Based on Idukki District", Anthology of Contemporary Research Studies, ISBN 978-81-907782-6-1, pp. 14-28, Prathibha Publications, March 2015.
2. Ms. Jency Francis, "Factors affecting Financial Literacy-A study based on Kottayam District", Financial Sector Reforms in India, ISBN 978-81-907782-99, PP. 87-96, Prathibha Publications, November 2014.



### **Divya Joseph**

1. Ms.Divya Joseph and Lekshmi Prakash, "E-Payment under Direct Benefit Transfer Scheme", Financial Sector Reforms in India, ISBN 978-81-907782-99, PP. 97-112,Prathibha Publications, November 2014.
2. Ms. Divya Joseph, "Tourist's Satisfaction Towards Tourism Services – A Case Study of Kovalam as a tourist Destination", Anthology of Contemporary Research Studies, ISBN 978-81-907782-6-1, pp. 103-113, Prathibha Publications, March 2015.
3. Ms. Divya Joseph, "Responsible Tourism Initiatives in Kumarakom Backwater Destination – A Socio Cultural Impact Assessment", New Numbers and Letters, Peer refereed Interdisciplinary Research Journal, Vol. V, issue. 1, ISSN 2320-8317, pp. 70-75, Kuriakose Elias College, Mannanam, December 2014.
4. Ms. Divya Joseph, "Influence of Social Media Marketing Strategies on the youth" , Bonfring International Journal of Industrial Engineering and Management Science, Vol. 5,Special Issue, ISSN 250-1096, PP.07-13,Bonfring Intellectual Integrity, July 2015.
5. Ms. Divya Joseph, "Impact of Celebrity Advertisement on Gold Purchase Behaviour: A study based on Kottayam District", International Journal of Business management and Social Sciences, Vol. IV, Issue. 8 (III), impact factor. 1.3409, ISSN 2249-7463,pp. 75-80,Choice College of Arts and Commerce, Pune, April 2005.

### **Neethu Jose**

1. Rajiv Gandhi Equity Savings Scheme and its Tax implications- An overview,UGC sponsored National Seminar on Autonomy and Quality Assurance in Higher Education- Achievements, Issues and Challenges organized by IQAC, K.E College, February 2015
2. 'Green Marketing-A study based on business organisations in Kottayam district', National Seminar on Statistical Analysis and Interpretation of Data using SPSS and AMOS in Social Science Research organized by Department of Commerce, Government College, Nattakom, March 2015

**BOOKS PUBLISHED**

**With ISBN No**

**Dr. Antony Thomas**

1. Informatics June 2014- ISBN 978-81-907782-3-7
2. Internet web Designing and Cyber Laws June 2014 -978-81-907782-5-1
3. Literature and Informatics June 2014 - 978-81-907782-4-4
4. Business Communication and Office Management November 2014
5. Informatics and Cyber Laws November 2014

**Edited Books Published**

**With ISBN No**

**Dr. Antony Thomas**

1. Financial sector Reforms in India ISBN: 978-81-907782-99
2. Anthology of contemporary research ISBN: 978-81-907782-6-1

## DETAILS OF PLACEMENT

### Placement Cell Details

The placements cell of the college is active in providing the best career opportunities for the students. Under the guidance of a dynamic placement officer, the cell arranges for campus placements. A number of students have been recruited in various reputed companies under campus placement programme.

- **FMSB( Federal Manipal School of Banking)**

1. Angel Jose(M.Sc.Chemistry)
2. Midhun P.(M.Sc.Chemistry)
3. Shans Augustine(M.A Economics)
4. ShilkaKuruvilla(M.Com)

- **WIPRO**

1. Amy Elizabeth John [Bsc.Maths]
2. Josna Jose [Bsc.Maths]
3. Greeshma Maria Jose [Bsc.Maths]
4. Stanley Sabu [Bsc.Maths]
5. Jerin P George [Computer Application]
6. Sachin J Kattoor [Computer Application-+ `]
7. Krishna Jayachandran (M.Sc.Statistics)
8. Aleena Francis (B.Sc.Botany)
9. Amal John (B.Sc.Physics)
10. Anu Joseph (B.Sc Physics)
11. Divin George (B.Sc Physics)
12. Joshyvarkey (B.Sc.Electronics)
13. Krishnapriya B (B.Sc. Physics)
14. Mathew Dennis (B.Sc Physics)
15. Sooraj R (B.Sc Physics)
16. Indu Maria Tom (B.Sc.Chemistry)

- **TCS**

1. VinayChandran [Bsc.Maths]
2. Tessy Thomas [Bsc.Maths]
3. George Xavier [Bsc.Maths]
4. Jiswin George [Bsc.Maths]
5. Sachin J Kattoor [Computer Application]

- **Infosys**

1. Stanley Sabu [Bsc.Maths]
2. Jiswin George [Bsc.Maths]
3. Tessy Thomas [Bsc.Maths]
4. George Xavier [Bsc.Maths]
5. AryaVenu [Bsc.Maths]
6. Josna Jose [Bsc.Maths]
7. Akhil John Thattunkal [Computer Application]

- **UST Global**

Akhil John Thattunkal [Computer Application]

- **Tech Mahindra**

Akhil John Thattunkal [Computer Application]

- **Federal Bank –Probationary Clerk**

Gopika G.Krishna (B.Com)



**Dr. Antony Thomas**

*Signature of the Coordinator, IQAC*



**Rev. Dr. Benny Thottanany**

*Signature of the Chairperson, IQAC*

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