



Report of the IQAC 2014-15

Internal Quality Assurance Cell
St. Thomas College Palai

NAAC Accredited with 'A' Grade (3rd Cycle, CGPA 3.30) in 2015
College with Potential For Excellence (CPE-UGC)
(Affiliated To Mahatma Gandhi University, Kottayam)

ARUNAPURAM P. O., KOTTAYAM, KERALA – 686 574

www.stcp.ac.in, e-mail: iqac1step@gmail.com, principal.stc@gmail.com

Phone: 04822-212316, 212317; Fax: 04822-216313; Mob: +919447140859

Internal Quality Assurance Cell (IQAC)

The College established an Internal Quality Assurance Cell in 2004 itself which was reconstituted many times as per NAAC guidelines and the present one consists of the following members:

1. Rev. Fr. N V Joseph, Principal
2. Sri. V T Thomas, Vice Principal
3. Sri. Cherian Vadakkekunnel, Vice Principal
4. Dr. Sunil C Mathew, IQAC Coordinator
5. Rev. Fr. Mathew Kurian, Bursar
6. Dr. K K Jose, Distinguished Educationalist
7. Dr. Michael Augustine, Department of Physics
8. Dr. Sunny Kuriakose, Department of Chemistry
9. Dr. V V Georgekutty, Department of Hindi
10. Dr. Jomy Augustine, Department of Botany
11. Sri. Jose Joseph, Administrative Assistant
12. Sri. Jose Mamparambil, Industrialist
13. Adv. K T Joseph, Alumni Association & Local Representative

Strategies

IQAC evolves mechanisms and procedures for:

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks
- The relevance and quality of academic and research programmes
- Equitable access to and affordability of academic programmes for various sections of society
- Optimization and integration of modern methods of teaching and learning
- The credibility of evaluation procedures
- Ensuring the adequacy, maintenance and functioning of the support structure and services
- Research sharing and networking with other institutions in India and abroad

Functions

Some of the functions of the IQAC are:

- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution.
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes.
- Dissemination of information on various quality parameters of higher education
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
- Documentation of the various programmes/activities leading to quality improvement
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices.
- Development and maintenance of institutional database through MIS for the purpose of maintaining/enhancing the institutional quality.
- Development of Quality Culture in the institution.
- Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

At a Glance

Date of Submission of AQAR 2013-14 to NAAC:	18-09-2014
Dates of Meetings of IQAC:	1. 18-06-2014 2. 24-07-2014 3. 11-08-2014 4. 04-09-2014 5. 08-10-2014 6. 11-11-2014 7. 19-12-2014 8. 19-01-2015 9. 16-02-2015 10. 27-03-2015 11. 25-05-2015
Minutes and Action Taken Reports are available in the institutional website.	Link to Minutes of Meetings https://www.stcp.ac.in/images/pdf/iqac/MInutes%20of%20IQAC%20Meetings%202014-15.pdf
	Link to Action Taken Report https://www.stcp.ac.in/images/pdf/iqac/Action%20Taken%20Report%202014-15.PDF

No. of Fulltime Teachers	139		
No. of Non-teaching Staff	45		
Number of students on rolls	2345		
Number of programmes offered	42		
Number of sanctioned seats	1120		
Number of students admitted	944		
Number of full time teachers with <i>Ph. D.</i>	55		
Number of students benefited by scholarships and freeships provided by the Government	912		
Number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies	248		
Quality Initiatives			
Date(s) of Internal Academic Audit	17-12-2014		
Date(s) of External Academic Audit	14-07-2014 to 15-07-2014 31-01-2015		
Date(s) of Internal Administrative Audit	02-08-2014		
Date(s) of External Administrative Audit	18-04-2015		
Date(s) of Orientation Programmes to Teaching staff	28-03-2015		
Date(s) of Orientation Programmes to Non-teaching staff	07-06-2014		
Date(s) of Orientation Programmes to Students	20-11-2014, 01-12-2014		
Number of Seminars organized in Collaboration with Other Institutions/Agencies	5		
Number of Collaborative Research Papers	2		
Faculty participation in conferences and symposia			
	Number of Faculty		
	International level	National level	State level
Attended Seminars/ Workshops	1	7	10
Presented papers	1	13	9
Resource Persons	1	10	1
No. of faculty members involved in curriculum restructuring / syllabus revision/ development as member of Board of Study/Faculty/Curriculum Development workshop	44		

Research Projects					
Major Research Projects			4		
Minor Research Projects			18		
Number of research publications					
Peer Reviewed Journals			26		
Non-Peer Reviewed Journals			9		
Conference Proceedings			8		
No. of books published					
With ISBN No.	2	Chapters in Edited Books	2	Without ISBN No.	1
No. of conferences organized by the Institution					
Level	National	State	University	College	
Number	4	3	3	7	
Initiatives undertaken towards faculty development					
Faculty/ Staff Development Programmes			Number of faculty benefitted		
Refresher courses			3		
Orientation programmes			8		
Pass Percentage of Final Year Students					
Number of Students Appeared			719		
Number of Students Passed			640		
Pass Percentage			89.01		

Activities During 2014-15

The College Re-accredited with 'A' Grade by NAAC

The college was re-accredited with 'A' Grade (GPA 3.30) in the NAAC Assessment (3rd Cycle) conducted during 23-25 February 2015. The NAAC Peer Team consisted of Prof. Arunoday Saha(Chairman), Prof. Ramana Rao Kamaraju (Member) and Prof. G. K. Karanth (Member Co-Ordinator).

St. Thomas College Palai had been assessed and accredited by NAAC with 4 Star Grade in February 2000 and with B++ Grade in February 2007. The report of the NAAC Peer Team who visited the college during 21-23 February 2007 was an eye-opener to the entire college community. This has contributed significantly to our march towards enhancement of quality in all areas. The college has been successful in evaluating its strengths and weakness and making up for the during the last 8 years. We have implemented all the recommendations of the last peer Team and made significant improvements in all areas and identified new domains in our quest for excellence. The initial steps for the NAAC re-accreditation process were taken by Dr. V. V. Georgekutty, the then IQAC coordinator, later appointed as the Controller of Examinations of Calicut University.

The IQAC of the college prepared the AQAR of the previous year which was published in the college website in the last week of September 2014. The SSR was published in the college website by the first week of September 2014 and a few copies were sent to the NAAC office. The AQAR and SSR were prepared with meticulous care. Credit for all these goes to Dr. Sunil C Mathew, the present IQAC coordinator who steered the preparations of the NAAC Peer Team visit from the very beginning. Every department convened their alumni meetings and received suggestions. The first External Audit was held during 14-15 July 2014. Dr. Tharsis Joseph, Former Principal, Devamatha College Kuravilangad and Dr. K V Thomas, Bharata Mata College Trikkakara were the resource persons. In the following days, the college implemented the suggestions put forward by the External NAAC Audit Team. The second External Audit was held on 31 January 2015 and 1 February 2015.

The External NAAC Audit team consisted of Rev. Dr. Tom Kunnupuram, Principal, St. Alphonsa College Thakkala(Chairman), Dr. Stephen Mathews, Director of Management Studies, SB College Changanassery, Dr. George Varghese, Director, KSCSTE, Trivandrum and Dr. Kuruvila Joseph, Professor of Chemistry, IIST, Trivandrum. Immediate preparations for the visit of the NAAC Peer Team were finished by 22 February 2015.

The NAAC Peer Team arrived in the campus on 23 February 2015. The staff and Students of the college gave them a warm welcome in the College quadrangle. First they interacted with the Principal and then started visiting the departments. At noon, they met the Managing Board. After lunch at the Bishiop's House they continued their visit to the departments. They interacted with the students, staff, alumni, parents and non-teaching staff on the first day. There were cultural programmes in the auditorium in the evening. On the second day morning, the visit to the departments continued. Also there was an interaction with Dr. Babu Sebastian, Vice Chancellor of M G University Kottayam. On the following day i.e., 25 February 2015, there was the Exit Meeting in the Library Hall in which the report of the NAAC Peer Team was handed over to the Principal.

The college community responded very positively in all the proceedings of the re-accreditation process, with utmost sincerity and as a single team. The credit goes to the ~~IQAC, steering committee and various other committees, their chairpersons, coordinators,~~ Report of the IQAC 2014-15

conveners and members for their sincere team work and valuable suggestions at all stages. It is hoped that the result of re-accreditation will help the college immensely in the pursuit towards excellence and innovation in the era of globalization.

Foundation Stone Laid for new building

The foundation stone for the new building of the college to house the self-financing courses was laid by H. E. Mar Joseph Kallarangatt, Bishop of Palai and Patron of the college, in presence of H. E. Mar Jacob Muricken, Auxiliary Bishop of Palai and Manager of the college on 15 October 2014.

M A History Course Inaugurated

St. Thomas College Palai with its glorious tradition of 64 years, announced the inauguration of M. A. Course (aided) in History with a sanctioned strength of 15 students on 10 October 2014. The Inaugural Programme titled 'Alpha Historia' was presided over by H. E. Mar Joseph Kallarangatt, Patron of the college. The Chief Guest, Sri. K M Mani, Honourable Minister for Finance, Law and Housing, Govt. of Kerala, inaugurated the course. Rev. Fr. Joseph Njarakkattil, Principal, Prof. (Dr.) K S Mathew, Former HoD of History, Pondicherry Central University; Rev. Dr. James John, HoD and Prof. Cyriac Jose offered felicitations.

B. Voc. Degree and Diploma Courses started

The college has started two new B. Voc. Degree courses as innovative programmes of the UGC during the year 2014-15. They are:

1. B. Voc. Sustainable Agriculture (50 seats)
2. B. Voc. Food Processing Technology (50 seats)

The following two Diploma courses have also been started:

1. Diploma in Computer Hardware and Networking (50 seats)
2. Diploma in Renewable Energy (50 seats)

The diploma courses have been started under the Community College scheme of the UGC with scholarships for all the students.

UGC- INFONET Digital Library Inaugurated

The inauguration of the UGC-INFONET Digital Library facility at the Mahatma Gandhi University Centre functioning in the college was carried out by Ms. Laila T Abraham, University to have this rare facility which is a boon for teachers, researchers and postgraduate students.

Powder X-Ray Diffractometer installed

The Powder X-Ray Diffractometer obtained under the FIST Scheme of the Department of Science and Technology (DST), Government of India was installed in the Materials Science Research Lab of the Department of Physics on 20 February 2015. The blessing and switch-on ceremony was carried out by Rev. Fr. N V Joseph Njarakkattil, Principal. The instrument will be highly useful for researchers and postgraduate students of Physics, Chemistry and Materials Science of the college and nearby colleges.

WWS and SSP Programmes Started

Two new initiatives of the Department of Higher Education, Government of Kerala, have been undertaken by the college. The programmes are 'Walk With a Scholar (WWS)'

and ‘Scholar Support Programmes (SSP)’. Dr. Jose K Xavier, Department of Chemistry is in charge of WWS and Dr. T J Abraham, Department of English is in charge of SSP.

SEMINARS, CONFERENCES, WORKSHOPS AND LECTURES

National Seminar on Nanochemistry and Nanotechnology – NANOCHEMBIO 2014

The Department of Chemistry has organized a two day National Seminar on Nanochemistry and Nanotechnology (NANOCHEMBIO-2014) on 8&9 October 2014. About 100 delegates including teachers, research scholars, industrialists, NGOs and students participated. The seminar was inaugurated by Prof. V. N. Rajasekharan Pillai (Executive Vice President, KSCSTE & Principal Secretary to Govt. of Kerala). Mar Jacob Muricken (Auxiliary Bishop of Palai) delivered the benedictory speech and Principal Rev. Fr. N V Joseph Njarakkattil presided over the function. Prof. V T Thomas (HoD of Chemistry) and Dr. Sunny Kuriakose (Convener, NANOCHEMBIO-2014) delivered the welcome speech and vote of thanks respectively.

The keynote address was delivered by Prof. V N Rajasekharan Pillai. Eight technical sessions led by Prof. (Dr.) Sabu Thomas (Director, IIUCNN, M G University), Dr. Edamana Prasad (IIT, Madras), Prof. (Dr.) Kuruvilla Joseph (IIST, Thiruvananthapuram) were conducted during the two day seminar. Dr. Praveen (Post Doc Fellow, IIUCNN, Mahatma Gandhi University) and Mr. Ajith Thomas (St. Thomas College Palai) won the Best Paper and the Best Poster awards respectively. The proceedings of the seminar ‘NANOCHEMBIO-2014- The Interfaces of Nanotechnology, Chemistry and Biology’ edited by Dr, Sunny Kuriakose and Dr. Thomas V Mathew was released at the valedictory function.

Seminar on Biotechnology – ‘Recent Advances and Career Aspects’

One day Seminar on Biotechnology – ‘Recent Advances and Career Aspects’ was organized by the Department of Applied Microbiology and Biotechnology on 18 September 2014. Dr. Roshni Baby Mathews, Department of Biotechnology (CUSAT) was the chief resource person. She explained the importance of Biotechnology in pharmaceutical and agriculture sectors.

Seminar on ‘The Fiscal Dynamic and Growth Prospects of the Economy of Kerala’

The Department of Economics in association with the Dr. P J Thomas Centre for Social Sciences Research, organized a one day state level seminar on ‘The Fiscal Dynamic and Growth Prospects of the Economy of Kerala’ on January 2015. The postgraduate students of belonging to Economics, Politics and Commerce Departments of the College and student delegates from nearby institutions attended the programme. Sri. K M Mani, Hon’ble Minister for Finance and Law, Government of Kerala, inaugurated the Seminar at a meeting presided over by Rev. Fr. N V Joseph Njarakkattil, Principal. Dr. Joy George, HoD of Economics, delivered a retrospective on Dr. P J Thomas. Dr. Rajan Varghese, former Pro-Vice Chancellor, M G University, Kottayam and Dr. E M Thomas, Associate Professor, Christ College, Irinjalakuda were the chief resource persons. Sri. Tommy Cherian, Vice Principal, welcomed the gathering and Dr. Biju K C proposed the vote of thanks.

National Workshop on Intellectual Property Rights, IPR 2014

A National Workshop on Intellectual Property Rights (IPR 2014) was organised by the Department of Biochemistry of the college in collaboration with Patent information Centre, Kerala of the Kerala State Council for Science, Technology and Environment (KCSTE), Govt. of Kerala on 12 August 2014. The objective of the workshop was to create awareness on the basics of IPR including Patents, Copyrights, Trademarks, Industrial designs,

Patentability Criteria, Patent Searching, Patent Filing Procedures etc. among the participants. The workshop was inaugurated by Mr. H L Narendra Bhatta, Patent Attorney & Founder, Intellocopia IP Services, Bangalore, at a meeting Presided over by Rev. Fr. N V Joseph Njarakkattil, Principal. Mr. Safikh S., Technical Officer (IPR), KSCSTE, Govt. of Kerala offered felicitations. Dr. Ratheesh M., Co-ordinator, IPR-2014, welcomed the gathering and Mr. Jobin Joseph, Secretary, Biochemie proposed the vote of thanks. In the Technical Sessions that followed, Mr. Safikh S. Spoke on the topic 'How to do Patent Searching: Tools and Procedures' and Mr. H L Narendra Bhatta spoke on the topics 'An Overview of Intellectual Property Rights' and 'Patent System in India and Patent Filing Procedures'. The Programme came to an end with a panel discussion followed by the conducting session.

National Workshop on Mathematical Physics

The Academy of Physics Teachers (APT) and the Centre for Nano-Biopolymer Science and Technology, Dept. of Physics jointly organized a three day Workshop on Mathematical Physics during 26-28 December 2014. The workshop was inaugurated by Dr. Babu Sebastian, Hon. Vice Chancellor, Mahatma Gandhi University, Kottayam. Dr. S V M Satyanarayana, Pondicherry Central University was the resource person. Rev. Fr. N V Joseph Njarakkattil, Principal, Presided the inaugural function. The welcome address was delivered by Dr. Ison V Vanchipurackal, local organizing secretary. Dr. Shaiju K Y, secretary of APT, felicitated and Prof. G Harikrishnan, State Organizer of the Workshop was focused on the topic "Linear Algebra" and 25 teachers from all over Kerala participated in it. Dr. Ison V Vanchipurackal was the organiser of the workshop.

Seminar on Current Trends in Physics

In connection with the Century of the Bohr Atom Model, the Centre for Nano-Biopolymer Science and Technology, Dept. of Physics organized a one day seminar on 'Current Trends in Physics' on 15 December 2014. The Programme was organized in association with the Academy of Physics Teachers (APT). The seminar was inaugurated by Dr. K B Jinesh, IIST, Trivandrum. Rev. Fr. N V Joseph Njarakkattil, Principal presided over the inaugural function. The welcome address was given by Dr. Michael Augustine, Head, Dept. of Physics. Dr. Issac Paul, Regional Co-ordinator, APT (Dept. of Physics, S B college, Changanassery) felicitated. Talks were delivered by Dr. K B Jinesh on "Evolutions in Nanotechnology: Enough room at the bottom", by Dr. K Indulekha, M G University, Kottayam on "Atoms" and by Dr. Ison V Vanchipurackal, Dept. of Physics, St. Thomas College, Palai on "Nobel-winning blue LED". The seminar was attended by 98 participants including teachers and students. There was also a lab visit at the end of the seminar. Dr. Ison V Vanchipurackal, was the co-ordinator of the programme. The programme was sponsored by the Kerala State Council for Science Technology and Environment, Govt. of Kerala, Trivandrum.

Seminar on Modern Separation Techniques

A Seminar on 'Modern Separation Techniques' was organized by the Department of Chemistry on 14 November 2014. Prof. (Dr.) Hassan Y. Aboul-Enein, Professor of Pharmaceutical and Medicinal Chemistry at National Research Centre, Cairo, Egypt, was the chief resource person at the seminar. A world renowned scientist in the field of separation Chemistry, Prof. (Dr.) Hassan Y Aboul-Enein was formerly Professor at the Universities of Alabama and Iowa (USA) and King Saud University, Riyadh(KSA). Dr. V T Thomas, Head, department of Chemistry, welcomed the gathering. Prof. (Dr.) Hassan Y Aboul-Enein then

delivered two invited talks on the topics: 'The impact of Chirality on Drug Development' and 'Capillary Electrophoresis: An Alternative Technique for Chiral Separation'. The programme came to an end with a vote of thanks by Dr. G D Gem Mathew, co-ordinator of the programme.

Workshop on Research Methodology and Developments in Literary Studies

The Department of English organised a two-day workshop on 'Research Methodology and Development in Literary Studies', on 24 and 25 June 2014 for research scholars and postgraduate students. Talks were delivered by Dr. B. Hariharan (Director, Centre for Canadian Studies, Institute of English, University of Kerala) on 'Research Methodology', Dr. P P Raveendran (Former Director, School of Letters, Mahatma Gandhi University) on 'Developments in Literary Studies'; Dr. P S Radhakrishnan (Director, School of Letters, Mahatma Gandhi University) on 'Literary Studies: Theory and Practice'; and Mr. Murali K K (Assistant Librarian, Mahatma Gandhi University) on 'Library, Resource for Research'. The workshop was co-ordinated by Prof. Tommy Cherian Vadakkekunnel (Head, Dept. of English) and Ms. Ajomy Maria Joseph.

National Seminar on Hindi Literature

A two-day national seminar on Hindi Literature was organised by the Department of Hindi on 28 and 29 January 2015. It was inaugurated by Dr. Kumud Sharma from the University of Delhi. The seminar was sponsored by the University Grants Commission.

Workshop on Biodiversity of Kerala

A workshop on Biodiversity of Kerala was organised jointly by the Departments of Zoology and Botany in collaboration with Pala Municipality on 6 February 2015. It was inaugurated by Sri. Kuriakose Padavan, chairman of Pala Municipal Council. Sri. Toby Thomas, Municipal Secretary, delivered the keynote address.

Invited Talk on the Local Heritage of Meenachil

The Department of History in collaboration with the Heritage Forum, Pala, organized an invited talk on the 'Local Heritage of Meenachil' on 25 June 2014. Dr. Cyriac Thomas, Member of National Minority Education Commission, Govt. of India, and Former Vice Chancellor of M G University, was the Chief Resource Person. The programme was presided over by the Principal Rev. Fr. N V Joseph Njarakkattil. Social activist Mr. V I Purushothaman Poonjar also spoke on the occasion. 40 students and 30 members of the public attended the function. The programme was jointly co-ordinated by Rev. Dr. James John Mangalathu and Prof. Cyriac Jose.

Jawaharlal Nehru Memorial Lecture Series – 1

Jawaharlal Nehru Memorial Lecture Series – 1 was organized by the Department of Politics was inaugurated by Sri. P C George MLA (Hon. Govt. Chief Whip) on 11 August 2014. The meeting was presided over by Rev. Fr. N V Joseph Njarakkattil, Principal. Rev. Fr. Mathew Kurian Kavanadimalayil, Bursar and Dr. Shajimon K Mathews. HoD, Dept of Politics, offered felicitations. Mr. Nidhin Jose, President, Political Science Association, proposed the vote of thanks.

Invited Lectures delivered by Experts

Department of Applied Microbiology and Biotechnology

1. Mr. Titto Mathew, Senior Research Fellow, Defence Research and Development

Organisation (DRDO), New Delhi, delivered a lecture on ‘The Effect of Hypoxia on Alveolar Epithelium: The role of Curcumin’ on 21 August 2014.

2. Mr. Chritso Rajan, Senior Research Fellow, regional Cancer Centre, Thiruvananthapuram, delivered a lecture on ‘Advances in DNA Microarray Technology and its Applications’ on 14 October 2014.

Department of History

Rev. Dr. Pius Malekandathil, Professor of history, Jawaharlal Nehru University, New Delhi delivered an invited talk on History on 21 November 2014.

Department of Physics

Dr. M M Shaijumon, Indian Institute of Science Education and Research (IISER), Thiruvananthapuram delivered the Prof. Antony Simon memorial lecture.

Academic and Research Activities by the Faculty

Minor Research Projects

9 Minor Research Projects were sanctioned by UGC to the teachers of the College under the XII Plan during 2014-15. Dr. Sunny Kuriakose, Dr. Thomas V Mathew, Prof. Sajeew Martin George, Department of Chemistry, Prof. Bobby Simon, Prof. Tejil Thomas, Prof. Binoy Chacko, Dr. Babu Jose, Department of Commerce and Dr. T J Abraham, Prof. Shilpa Mathew, Department of English were the Principal Investigators. A total of Rs. 7, 27,500/- received through this.

Dr. Sunny Kuriakose, Dr. Thomas V Mathew, Prof. Sajeew Martin George, Department of Chemistry, Prof. Bobby Simon, Prof. Tejil Thomas, Prof. Binoy Chacko, Dr. Babu Jose, Department of Commerce have completed their Minor research projects which was sanctioned during 2013-14. An amount of Rs. 7,95,000/- was sanctioned through these projects from UGC.

Major Research projects

4 Major research projects from three departments are on Progress. Dr. Ison V Vanchipurackal (two projects), Department of Physics, Dr. K K Jose, Department of Statistics and Dr. Ratheesh M, Department of Biochemistry are the Principal Investigators of these projects.

Teachers in Board of Studies/Academic Council

Name of teacher	Name of the body in which full time teacher participated
V T Thomas	Chairman, UG Board of studies in Chemistry, Mahatma Gandhi University, Kottayam
Jose K Xavier	Member, Academic Council, Rajagiri College of Social Sciences, Kalamassery (Autonomous)
Bejoy Mathew	Member, Academic Council, Sacred Heart College, Thevara (Autonomous)
Ison V Vanchipurackal	Member, Academic Council, St. Berchmans College, Changanachery (Autonomous)

C K James	Member, Academic Council, St. Teresas' College, Eranakulam (Autonomous)
Stany Thomas	Member, Board of Studies in Political Science, Sacred Heart College, Thevara (Autonomous)
Sunny Kuriakose	Member, Board of Studies in Polymer Chemistry, Cochin University of Science and Technology, Cochin
Sunny Kuriakose	Member, Board of Studies in Polymer Chemistry, University of Kerala, Thiruvananthapuram
Sunil C Mathew	Member, Doctoral Committee for PhD Programme in Maths (2014 Admission)
Franci Mathew	Member, Expert Committee for revaluation of II sem CBCSS BA Examination May 2013.
Shajimon K Mathews	Member, Faculty of Social Sciences, Kannur University, Kannur
Sunny Kuriakose	Member, PG Board of Studies in Chemistry, Mahatma Gandhi University, Kottayam
Thomas Scaria	Member, PG Board of Studies in Malayalam, Mahatma Gandhi University, Kottayam
Manuel Joseph Panavely	Member, PG Board of Studies in Mathematics, Mahatma Gandhi University, Kottayam
Raj Mathew	Member, PG Board of Studies in Mathematics, Mahatma Gandhi University, Kottayam
Shajimon K Mathews	Member, PG Board of studies in Political Science, Mahatma Gandhi University, Kottayam
Mathew Kurian	Member, PG Board of studies in Political Science, Mahatma Gandhi University, Kottayam
K M Kurian	Member, PG Board of Studies in Statistics, Mahatma Gandhi University, Kottayam
Seemon Thomas	Member, PG Board of Studies in Statistics, Mahatma Gandhi University, Kottayam
Sunny Mathew	Member, UG &PG Board of Studies in Electronics, Mahatma Gandhi University, Kottayam
Bejoy Mathew	Member, UG Board of studies in Chemistry, Mahatma Gandhi University, Kottayam
Ison V Vanchipurackal	Member, UG Board of Studies in Physics and Computer Applications, St. Joseph's College, Devagiri(Autonomous)
Simon Augustine	Member, UG Board of Studies in Physics, Mahatma Gandhi University, Kottayam
Sunny Mathew	Member, UG Board of Studies in Physics, Mahatma Gandhi University, Kottayam
Ison V Vanchipurackal	Member, UG Board of Studies in Physics, Sacred Heart College, Thevara(Autonomous)

Shajimon K Mathews	Member, UG Board of studies in Political Science, Mahatma Gandhi University, Kottayam
P D George	Member, UG/PG Board of Studies in Hindi, Mahatma Gandhi University, Kottayam

Research Papers Published

Title of paper	Name of the author/s	Department	Name of journal	Year of publication
Evaluation of Antibacterial Potential of Silver Nanoparticles (SNPs) Produced using Rhizome Extract of Hedychium Coronarium J. Koenig	Sinjumol Thomas, S. John Britto, Silvy Mathew, Bince Mani	Botany	International Journal of Pharmacy and Pharmaceutical Sciences, 6(10), 2014	2014
Invitro Antibacterial activity of ZnO nanoparticles prepared using sodium dodecyl sulphate as stabilizing agent	D. Thomas, S. Augustine, Jyothi Abraham, Dennis T. Thomas and J. Prakash	Botany	Romanian Journ. Biophysics 24(4): 295-303	2014
Synthesis, characterization, and photo-responsive studies on ligninmodified with (E)-4-(naphthalene- 1-yl diazenyl)benzoic acid	Ambily Chandran, Sunny Kuriakose , Tessymol Mathew	Chemistry	Polymers for Advanced Technologies, 2014, 25(6): 589–594	2014
Antifungal Activity of Silver Nanoparticle encapsulated B-Cyclodextrin against Aspergillus Species	Soumya Jose, Sheena Varghese, Sunny Kuriakose	Chemistry	European Journal of Biomedical and Pharmaceutical Sciences, 1(3):264-272	2014
Synthesis, Characterization and studies on the Antifungal Activity of Carbon Nanoparticles from Natural Sources	Sheena Varghese, Sunny Kuriakose	Chemistry	European Journal of Biomedical and Pharmaceutical Sciences, 1(3): 204-214	2014
Solvent polarity and nanoscale morphology in bulk heterojunction organic solar cells: A case study	Ajith Thomas, Anju Elsa Tom, Arun D Rao, Arul Varman K,R Vinayakan, Praveen C Ramamurthy, VV Ison	Physics	Journal of Applied Physics, 115	2014

Title of paper	Name of the author/s	Department	Name of journal	Year of publication
Appraisal on textured grain growth and photoconductivity of ZnO thin film SILAR	Deepu Thomas, Sunil C Vattappalam, Sunny Mathew & Simon Augustine	Physics	Advances in Chemistry, 2014	2014
Analysis strategy for comparison of skewed outcomes from biological data: A recent development	Devika S., L. Jeyaseelan, Sebastian George, G. Zachariah	Statistics	Annals of Biological Research, 2014, 5 (12):16-20	2014
Evaluation of phytochemical analysis, anti oxidant and anti elastase activity of <i>Hemigraphis colorata</i>	Asha Gangadharan, Nishath T K , Benny P.J	Zoology	International Journal of Pharmacognosy and Phytochemical Research,5(4): 292-298;	2014
Marshall-Olkin Exponentiated Generalized Frechet Distribution and its Applications	K.K.Jose and Remya Sivadas	Biostatistics	Journal of Probability and Statistical Science, 13(2), 167-178.	2015
Negative Binomial Marshall-Olkin Rayleigh Distribution and its Applications,	K.K.Jose and Remya Sivadas	Biostatistics	Econ. Quality Control , 30(2),189-198.	2015
Invitro Micropropagation and flowering in <i>Ipomoea sepiaria</i> Roxb. An important ethnomedicinal plant	Meena K. Cheruvathur, Jyothi Abraham and Dennis T. Thomas	Botany	Asian Pacific Journal of Reproduction,4(1):4 9-53	2015
An efficient shoot generation system for medicinally important <i>Elephantopus scaber</i> Linn.	Jyothi Abraham and Dennis T. Thomas	Botany	Crop Breeding and Applied Biotechnology 15: 94-99, 2015	2015
A new species of <i>Hedychium</i> (Zingiberaceae) from the southern Western Ghats, India	Sinjumol Thomas, Bince Mani , S. John Britto	Botany	Webbia: Journal of Plant Taxonomy and Geography, 2015, 70(2), 221-225.	2015
Alkali salts of heteropoly tungstates: Efficient catalysts for the synthesis of biodiesel from edible and non-edible oils	Sunny Kuriakose , Rekha Sree	Chemistry	Journal of Energy Chemistry, 24, 87-92	2015

Title of paper	Name of the author/s	Department	Name of journal	Year of publication
Synthesis, characterisation and antibacterial studies of carbon nano-particle and carbon nanoparticle encapsulated in functionally modified β -cyclodextrin with {5-[4-(dimethylamino)benzylidene]-4-oxo-2-thioxo-1, 3-thiazolidin-3-yl} acetic acid	Sunny Kuriakose, Sheena Varghese	Chemistry	Supramolecular Chemistry; 28(3-4), 293-304.	2015
Bovin Serum Albumin stabilized Silver Nanoparticles: Synthesis, characterisation and antibacterial studies	Sunny Kuriakose, Linta Maria Jose, Tessymol Mathew	Chemistry	IOSR Journal of Pharmacy and Biological sciences, 10(3), 19-25	2015
Synthesis, Characterisation and Antifungal Activity of Carbon Nanoparticle-Beta-Cyclodextrin Aggregates against Aspergillus Species	Sunny Kuriakose, Sheena Varghese, Soumya Jose, Tessymol Mathew	Chemistry	European Journal of Biomedical and Pharmaceutical Sciences, Vol. 2, 486-494	2015

Collaborative quality initiatives with other institution(s)

- **Patent Information Centre- Kerala/KSCTE**, National Workshop on Intellectual Property Rights on 12 August 2014
- **Vegetable and Fruit Promotion Council, Kerala (VFPCCK) and Prof. K. Philip John Memorial Academic Foundation**, Prof. K. Philip John Endowment Lecture and Business Plan Contest on 29 January 2015
- **The Academy of Physics Teachers and Centre for Nano-Biopolymer Science and Technology**, Workshop on Mathematical Physics on 24-26 December 2014
- **Centre for Nano-Biopolymer Science and Technology**, Seminar on Current Trends in Physics on 15 December 2014.
- **Heritage Forum Palai**, Seminar on The Local Heritage of Meenachil on 25 June 2014
- **IISc. Bangalore**, Collaborative Research resulted in the paper entitled "*Solvent polarity and nanoscale morphology in bulk heterojunction organic solar cells: A case study*" published in *Journal of Applied Physics* 115, 104302 (2014)
- **Department of Metallurgical Engineering and Materials Science, IIT, Bombay**, Collaborative Research resulted in the paper entitled "*NanEffect of Sn doping on properties of transparent ZnO thin films prepared by thermal evaporation technique*" published in *Chemical Physics Letters*, 635:290-294, 2015
- **Maria Sadanam Psycho-Rehabilitation Centre, Palai**, Establishing Library at Maria Sadanam

Awards Won by the Faculty

Prof. Joben K Antony won the Best NSS Programme Officer Award of the year 2013-14 instituted by Mahatma Gandhi University, Kottayam. He received the award from Sri. Oomen Chandy, Hon'ble Chief Minister of Kerala, at a glittering function held in the Mahatma Gandhi University, Kottayam.

Degrees awarded to the Faculty Members

- Prof. V T Thomas, Vice Principal and Head of the Department of Chemistry awarded Ph. D. Degree in Chemistry by the Mahatma Gandhi University, Kottayam on 28 October 2014.
- Dr. Georgekutty Vattoth, Associate Professor, Department of Hindi has been awarded MBA degree by Bharathiar University, Coimbatore.

Teachers who attended Refresher/Orientation/Faculty Development Programmes

Name of teacher	Title of the program	Duration
Augustine J. Edakkara	Science Academies' Two Week Refresher Course on Experimental Physics	16-06-2014 to 01-07-2014
Bince Mani	UGC Sponsored Refresher course in Life Sciences - Interdisciplinary (Botany)	02-07-2014 to 22-07-2014
Tejil Thomas	UGC Sponsored Orientation Programme, Academic Staff College, University of Calicut	23-10-2014 to 20-11-2014
Joby Mathew	UGC Sponsored Orientation Programme, Academic Staff College, University of Rajasthan	12-01-2015 to 07-02-2015
Sijo Mathew	UGC Sponsored Orientation Programme, Academic Staff College, University of Rajasthan	12-01-2015 to 07-02-2015
Toji Thomas	UGC Sponsored Special Summer School, UGC - Academic Staff College, University of Kerala	28-11-2014 to 18-12-2014
Babu Jose	Orientation Programme OP-115	26-05-2014 to 21-06-2014
Binoy Chacko	UGC Sponsored Orientation, UGC - Academic Staff College, University of Kerala	03-03-2015 to 30-03-2015
Thomas V Mathew	UGC Sponsored Special Winter School, UGC Academic Staff College, University of Kerala	28-11-2014 to 18-12-2014
Biju K C	Special Summer School	06-05-2015 to 26-05-2015

Pass Percentage of Final Year Students

Program Name	Program Code	Number of students appeared in the final year examination	Number of students passed in final year examination
BA English Language & Literature	BAEN	37	37
BA Malayalam Language & Literature	BAMA	45	32
BSc Mathematics	BSMA	26	23
BSc Physics	BSPH	30	29

BSc Chemistry	BSCH	34	34
BSc Botany	BSBO	21	19
BSc Zoology	BSZO	26	25
BA Economics	BAEC	51	48
BA History (Archaeology and Museology)	BAHI	15	14
BA Political Science	BAPS	46	40
BCom (Finance and Taxation)	BCFT	62	61
BA English Literature and Communication Studies	BACE	33	33
MA English	MAEN	30	26
MA Malayalam	MAMA	15	8
MA Hindi	MAHN	20	16
MSc Mathematics	MSMA	18	15
MSc Statistics	MSST	19	17
MSc Physics	MSPH	22	17
MSc Chemistry	MSCH	23	19
MSc Botany	MSBO	15	14
MSc Biotechnology	MSBT	9	5
MSc Biostatistics	MSBS	24	24
MSc Applied Microbiology	MSAM	24	24
MA Political Science	MAPS	28	23
MA Economics	MAEC	28	24
MCom	MCOM	18	13
Total		719	640

Sports Profile

Student's Achievements

- Four of our students participated in the Inter University Competitions in Volleyball held at Kurukshetra, Haryana during January 2015 and secured fourth position.
- The volleyball team won the M G University Championship 2014-15 and many All Kerala Intercollegiate and invitational volleyball tournaments.
- Mr. Rijas K R, I MA Politics selected to represent Indian University Volleyball team.
- The college swimming team won the M G University championship. 6 of the participants won gold medal in the M G University Inter Collegiate Competitions.
- Five of the members of the swimming team represented M G University in the All India Inter University Competition.
- The college team won the M G University Inter Collegiate Cross-Country Race Championship. Three students got selected to represent the University.
- Five of our students in our Power lifting team participated in the M G University Inter collegiate championship and won prizes.
- Mr. Binu Thomas of III BA was selected as the Body Building Championship in the M G University Inter-collegiate competitions and represented M G University in the All India Inter-University competition.

- The college Athletics team won the runners up in M G University Intercollegiate Athletics Championship.
- Ms. Jiss Joseph, II MSc Statistics won gold medal in 70kg class in M G University taekwondo championship.
- Mr. Eby Varghese won Silver medal in weightlifting in the senior state championship.

Programmes Organized

- 37th Bishop Vayalil South India Intercollegiate Volleyball Tournament for Men and Women, held during 1-4 September 2014.
- Inter-departmental Soccer Mania-2 Football Tournament was organized from 21 January to 5 February 2015.
- Annual Sports and Games Meet with competitions for teachers, non-teaching staff and students were conducted during 18 February – 9 March 2015.
- Regular coaching for college students in Volleyball, Football, Athletics etc.
- Friendly Cricket match between teaching staff and non-teaching staff.

Socio-cultural Activities

- The 8th edition of South Indian Commerce & Management Fest- Com Arena 8.0 was conducted by the Department of Commerce on 29&30 August 2014.
- The All Kerala Statistics Problem Solving Contest and Prof. K Ramakrishna Pillai Memorial Quiz Competition was conducted by the Department of Statistics on 13 February 2015.
- The Department of Malayalam celebrated *Malayala Bhasha Varacharanam* during the first week of November in collaboration with PSPMP Library, Kurichithanam and Sree Krishna Group of Educational Institutions, Kurachithanam.
- The Museum established by Department of History was inaugurated on 20 Feb 2015.
- The First Prof. A V Varkey Memorial Intercollegiate Physics Quiz Competition was conducted by the Department of Physics on 10 February 2015.

Extension and Outreach programmes

- *Sastrapadham* Science Experience Camp – The centre for Nano-Biopolymer Science & Technology, Department of physics of the college in association with the Corporate Educational Agency of the Diocese of Palai, organised *Sastrapadham* Science Experience Camp – FARMFEST 2014 for high school and higher secondary students during 11-13 September 2014. The theme of the Camp, organised to celebrate the International Year of Family Farming 2014, was ‘Sustainable Agriculture’.
- The Department of Commerce of the college reaches out to the society through the Centre for Academic Social Responsibility (CASR). It is an initiative of the Department to provide a unique platform for organizing its social outreach programmes and extension activities.
- Issues of *Sastrapadham* Science Magazine – Five issues of *Sastrapadham*, the popular Science magazine in Malayalam for school children, were brought out under the initiative of the teachers of the college.
- Extension Programme in History- The Department of History organized an extension programme at St. Ephrem’s UP School, Kaveekunnu on 10th December 2014. It was meant to convey the value of History as a discipline and the significance of studying History. The students of the Department of History conducted quiz competitions and

engaged classes on the basics of History. As part of the activity the Department distributed pocket dictionaries to all the students in the school and subscribed newspapers and *Digest*(Weekly Booklet) for the school library for the academic year , 2014-15.

National Science Day Celebrations

National Science Day celebrations were organized by the Research and Consultancy Cell (RACS Cell) with the financial support from KSCSTE, Govt. of Kerala on 28th February 2015. On 19th February, various competitions were conducted to inculcate scientific temper and awareness among students.

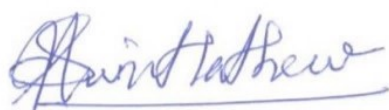
Roll of Honour

- 9 Students of our college had won University top positions in the final year examinations held during April/May 2014.
- The Department of English achieved 100% pass in BA English
- Three of our research students were awarded Ph. D. degrees during this year.
- 13 of our PG qualified CSIR-UGC NET exam during the AY 2014-15.

Alumni Activities

- The 64th Foundation Day and Alumni Day were celebrated on 16 September 2014.
- The Department of Politics conducted their alumni meet 30 July 2014.
- Alumni Association meeting of the Commerce Department was held on 16 July 2014.
- The Alumni Association meeting of Mathematics was conducted on 8th September 2014.
- On 8th September 2014, Economics Alumni Association celebrated their 25th Jubilee and teachers emeritus were honoured in the meeting.
- Alumni's meeting of the Department of Chemistry was held on 12 October 2014.

Name: Dr. Sunil C Mathew



Signature of the Coordinator, IQAC

Name: Dr. Sunny Joseph



**Signature of the Chairperson, IQAC
(Principal)**

Palai

