



Report of the IQAC 2018-19

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)

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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. Dr. James John, Principal
2. Dr. Sunny Kuriakose, Vice Principal
3. Dr. Sunil C Mathew, IQAC Coordinator
4. Rev. Fr. Mathew Kurian, Bursar
5. Dr. Siby James, Department of English
6. Dr. Davis Xavier, Department of Malayalam
7. Dr. Ison V Vanchipurackal, Department of Physics
8. Dr. Biju K C, Department of Economics
9. Dr. Babu Jose, Department of Commerce
10. Sri. Gibin Raja George, Department of English
11. Sri. Joy George, Junior Superintendent
12. Dr. K K Jose, Distinguished Educationalist & Local Representative
13. Sri Joby George, Sub. Div. Engineer, BSNL – Alumni Representative
14. Sri. Jose Mamparambil, Industrialist

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 2017-18 to NAAC:	29-09-2018
Dates of Meetings of IQAC:	<ol style="list-style-type: none"> 1. 22-06-2018 2. 03-08-2018 3. 26-10-2018 4. 16-01-2019 5. 07-05-2019
Minutes and Action Taken Reports are available in the institutional website.	Link to Minutes of Meetings https://www.stcp.ac.in/admin/downloadcenter/admindownloaditem2698Minutes%20of%20IQAC%20Meetings%202018-19.pdf
	Link to Action Taken Report https://www.stcp.ac.in/admin/downloadcenter/admindownloaditem2699Action%20Taken%20Reports%202018-19.pdf
No. of Fulltime Teachers	152
No. of Non-teaching Staff	44

Report of the IQAC 2018-19

Number of students on rolls	2846			
Number of programmes offered	43			
Number of sanctioned seats	1191			
Number of students admitted	1067			
Number of full time teachers with <i>Ph. D.</i>	53			
Number of students benefited by scholarships and freeships provided by the Government	1262			
Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies	229			
Quality Initiatives				
Date(s) of Internal Academic Audit	26-09-2018			
Date(s) of External Academic Audit	01-12-2018			
Date(s) of Internal Administrative Audit	27-12-2018			
Date(s) of External Administrative Audit	15-04-2019			
Date(s) of Orientation Programmes to Teaching staff	21-12-2018 to 22-12-2018			
Date(s) of Orientation Programmes to Non-teaching staff	09-06-2018			
Date(s) of Orientation Programmes to Students	17-08-2018			
Number of Seminars/Programmes organized in Collaboration with Other Institutions/Agencies	6			
Number of Collaborative Research Papers	5			
Faculty participation in conferences and symposia				
	Number of Faculty			
	International level	National level	State level	Local
Attended Seminars/ Workshops	5	34	30	5
Presented papers	5	4	0	1
Resource Persons	2	13	4	6
No. of faculty members involved in curriculum restructuring / syllabus revision/ development as member of Board of Study/Faculty/Curriculum Development workshop	41			
Research Projects				
Minor Research Projects	2			

Number of research publications					
International		61			
National		10			
Conference Proceedings		1			
No. of books published					
With ISBN No.	11	Without ISBN No.	3		
No. of conferences organized by the Institution					
Level	International	National	State	University	College
Number	1	3	2	6	9
Initiatives undertaken towards faculty development					
Faculty/ Staff Development Programmes			Number of faculty benefitted		
Refresher courses			9		
Orientation programmes			12		
Faculty Development Programme			6		
Pass Percentage of Final Year Students					
Number of Students Appeared			937		
Number of Students Passed			734		
Pass Percentage			78.33		

Activities During 2018-19

Seminars, Conferences, Workshops and Lectures

One Day National Workshop on New Methodology of NAAC Accreditation

The Internal Quality Assurance Cell (IQAC) of St. Thomas College Palai organized a UGC-CPE-Sponsored National Workshop on New Methodology of NAAC Accreditation on 21 July 2018. The National Assessment and Accreditation Council (NAAC) has brought in new spirit into its process of assessment and accreditation from July 2017. The workshop aimed at acquainting the participants with the NAAC's revised Quality Indicator Framework (QIF) for Affiliated Colleges. 198 participants attended the workshop including 75 external delegates comprising 5 Principals, 25 IQAC co-ordinators, 35 IQAC members and 10 faculty members. Dr. B. S. Ponmudiraj, Deputy Adviser, National Assessment and Accreditation Council was the chief resource person of the workshop.

The Principal Rev. Dr. James John Mangalathu delivered the welcome address. H.E. Mar Jacob Muricken, the Auxiliary Bishop of Palai and the Manager of the College Inaugurated the Workshop. Dr. Ponmudiraj engaged two technical sessions in the forenoon and an interactive session in the afternoon. He introduced the new methodology of the NAAC accreditation process and elaborated all the major data to be provided according to the revised pattern. The interactive session was extremely vibrant and fruitful. Delegates got an occasion to clarify their doubts and got lucid information regarding the seven criteria. Dr. Ponmudiraj impressed the audience with his brilliant eloquence, profound erudition and highly effective articulation. The Vice-Principal, Dr. Sunny Kuriakose expressed sincere gratitude to all the guests for their presence. Dr. Sunil C. Mathew, the IQAC co-ordinator and the organizing secretary Dr. Ison V. Vanchipurackal led the workshop.

NAAC Sponsored National Seminar on Teaching, Learning and Evaluation: Shifting Protocols in Pedagogical Dynamics

A Two-day National Seminar titled Teaching, Learning and Evaluation: Shifting Protocols in Pedagogical Dynamics was organized by the Internal Quality Assurance Cell (IQAC) of St. Thomas College, Palai on 7 and 8 February 2019 under the sponsorship of National Assessment and Accreditation Council (NAAC). The seminar brought together academic administrators, IQAC coordinators and faculty to exchange their views and ideas about the recent trends in teaching, learning and evaluation process. It was indeed an academic exercise intended to assist the participants to become more effective, creative and productive in their endeavours. The highlight of the programme was integrating technology in teaching which in turn would lead to a qualitative change in our attitude towards education. 173 delegates from various parts of the country participated in the seminar.

Rev. Dr. James John Mangalathu Principal, St. Thomas College, Palai delivered

the welcome message in the inaugural function. The function was presided over by H.E. Mar Jacob Muricken, Manager of the College and Auxiliary Bishop of Palai. Prof. Ved Prakash, Former Chairman, University Grants Commission inaugurated the seminar and delivered the keynote address. Felicitation Speech was delivered by Dr. Vimal Rarh, Project Head & Joint Director, GAD-TLC, MHRD and Coordinator, NRCC, MHRD. Bursar of the college, Rev. Fr. Mathew Kurian Kavanadimalayil proposed the Vote of Thanks.

The first technical session was led by Prof. Ved Prakash. He gave the audience an insight into the issues and concerns of higher education in India. The session was highly thought-provoking. The second technical session discussed E-learning and MOOCs in Higher Education and was led by Dr. Vimal Rarh. The session was highly fruitful and vibrant. The first day of the seminar was concluded with paper presentations from learned scholars and the sessions were conducted in two venues concurrently.

The Second day's programme commenced with paper presentations. The first technical session of the day was addressed by Dr. Selvam Jessiah, Professor and Vice Principal, Faculty of Management, Sri Ramachandra Institute of Higher Education and Research, Chennai. The topic of his session was Teaching, Learning and Evaluation: Evolving an Integrated Approach for Quality Enhancement in Higher Education. The session was indeed productive and participants thoroughly enjoyed the interactive session and commented it as truly rewarding.

The afternoon session was led by Dr. Gabriel Simon Thattil, Professor of Commerce and Director, IQAC, University of Kerala. He discussed on Imparting Quality in Teaching, Learning and Evaluation – A Systems Approach. Participants spoke about their limitations and time restraints for not being able to create an effective learner-oriented classroom ambience due to the semester system.

The two-day National Seminar was led by the IQAC co-ordinator Dr. Sunil C. Mathew and the organizing secretary Dr. Ison V. Vanchipurackal.

Three Day National Workshop on Intellectual Property Rights (IPR) and Industry-Academia Interface

The three day national workshop on IPR and industry academia interface was organized by the IQAC of St. Thomas College Palai from 26 March 2019 to 28 March 2019. The workshop was started with Almighty's blessings. The guests were welcomed by Rev. Dr. James John, Principal, St. Thomas College Palai and he gave a note on IPR. The presidential address was given by Msgr. Sebastian Vethanath, Syncellus, Eparchy of Palai. He expanded the history of IPR.

The workshop was inaugurated by Prof. Dr. K. C. Sunny, Vice Chancellor, NUALS, Cochi by lighting the lamp. He addressed the audience about IPR. Prof. Dr. Feroz Ali, IPR Chair Professor, IIT Madras gave the felicitation. Rev. Fr. Mathew Kurian, Bursar, St. Thomas College Palai expressed his sincere gratitude to all the guests for their presence.

The first technical session was led by Prof. Dr. Feroz Ali, IPR Chair Professor, IIT Madras. He detailed about IPR technically. He introduced IPR as an egg shell which protects the fruits of creative labour. He added about the different forms along with different application levels of IPR. He went on detailing patents and its procedure. The session was concluded by giving an open forum for questions.

The second technical session was headed by Mr. Manoj K. Das, Resident Editor

(Kerala), Times of India. Being an experienced journalist, he extended his talk beyond the session's topic. He just gave an overview on various instances including the life incidents of singers Ilayaraja and cartoonist Toms which shows the relationship between IPR and Mass Media. The session was chaired by Dr. Tejil Thomas, Assistant Professor in Commerce of the College. This session was an interactive one with questions and answers.

The second day was started by the third technical session. It was on "Neoliberal Global order and IPR" and was led by Prof. Dr. Shaji Varkey, Dean of Social Sciences, Professor of Political Science, University of Kerala. Trivandrum. Dr. Stany Thomas of Political science department chaired the session. He had a sceptical point of view of IPR and stated that IPR had a definite relationship with neoliberal global order. The session was concluded by providing a forum for question answer session.

The fourth technical session on "Legal aspects of IPR; challenges and opportunities" was headed by Adv. Benoy K Kadavan, Partner, Kadavans legal offices of visiting faculty, NU- ALS, Kochi. He provided the basics of IPR. He included various laws and enactments, copyright, trademark etc. He detailed about patents and also discussed the various challenges and opportunities of IPR. Question answer session followed the discussion. The fifth technical session on "IPR vis a vis industry and academia: challenges and opportunities for innovation practice" was guided by Prof. Dr. Bismi Gopalakrishnan, member syndicate, Dean faculty of Law, Professor and Director school of legal thoughts, MG University Kottayam. She gave a brief idea regarding IPR and mentioned about the advantages of IPR. She also stated that IPR does not exclude the principles of social justice. It was concluded by having a question answer session.

The final day of the workshop was started by the sixth technical session. The session was on 'Human Rights Violations in IPR' was led by Adv. S Venugopalan Nair, senior Intellectual Property Attorney. He started the session with a seven minute video presentation on "India needs innovation" and discussed the different dimensions of IPR. He showcased many cases and instances which showed human rights violations in IPR. The session was concluded by an open discussion.

The seventh technical session on "Computer Crime and Software Piracy" was headed by Prof. Dr. Joby P.P. Professor and Head, Department of Computer Science & Engineering, SJ CET Palai. He discussed the security threats and cyber crimes and also spoke about software and various software piracies. The session was concluded by providing a forum for question answer session.

New Add-on Courses

Apart from the existing Add-on Courses, 10 departments have started new Add on certificate course in different subjects during the Academic Year 2018-19. Dr. Anish Cyriac, Dept. of Hindi is the General Coordinator of the Add on Programme.

Department	Name of the Course	Name of the Course Coordinator
Physics	Matlab Fundamentals	Dr. Sr. Seena Mathew
Zoology	Breeding & Rearing of Aquarium Fishes	Dr. Jayesh Antony
Politics	Foundation Course of Human Rights Education.	George Joseph

History	Travel & Tourism	Manesh Varghese John
English	English for Life Skills	Jishnu Venugopal
B. Com. (S.F.)	Business Entrepreneurship	Boney Bose
B.C.A. (S.F.)	Web Technology	Arjun Ram Sankar
Communicative English (SF)	Certificate Course in Business Communication	Jeny Varghese
Vocational Education	Nutrition and Public Health	Aleena Sunny
	Disease Management in Crops	Sini Thomas K A

Vocational Education and Training (VET) Programme

A 'Committee on Vocational Education and Training (VET)' was constituted to facilitate the process of imparting vocational education and training to all regular students of the college. The members of the Committee were Prof. Jogy Alex (Chairman), Prof. James Varghese (Secretary), Dr. Ison V Vanchipurackal, Prof. LibinKuriakose, Prof. JishnuVenugopal, Sri. M S Jayaprasad and Dr. Lini L Alapat. Teachers from different departments of the college offered twenty three VET courses for the academic year 2018-19.

Sl. No.	Course Code	Name of the Course	Course Coordinator
01	STCVE001	Analytical Decision Making	Alan Lukose (Dept. of Commerce)
02	STCVE002	Basic House Wiring & Troubleshooting	Jibin Joseph (Dept. of Voc. Education)
03	STCVE003	Coconut Climbing	Dr. Lini L Alapat (Dept. of Voc. Education)
04	STCVE005	Cooking with OTG	Dr. Ison V Vanchipurachal (Dept. of Physics)
05	STCVE006	Elementary Business Analytics	Dr. Tejil Thomas (Dept. of Commerce)
06	STCVE007	Financial Reporting using Tally	Jinu Mathew (Dept. of Commerce)
07	STCVE008	Forensic Accounting	James Varghese (Dept. of Commerce)
08	STCVE009	Fundamentals of Practical Accounting	Dr. Babu Jose (Dept. of Commerce)
09	STCVE010	Grafting Techniques in Plant Propagation	Roshan Joseph (Dept. of Voc. Education)
10	STCVE011	LaTeX for Mathematical Documentation	Dr. Sunil C Mathew (Dept. of Mathematics)

11	STCVE012	Layering	Renu Mathew (Dept. of Voc. Education)
12	STCVE013	Medical Laboratory Biochemist	Dr. Ratheesh M (Dept. of Biochemistry)
13	STCVE014	MS – Excel Spreadsheet Package	Jomy Joseph (Computer Centre)
14	STCVE015	MS – PowerPoint Package	
15	STCVE016	MS – Word Processing	
16	STCVE017	Milk Chocolate Preparation and Marketing	Gisha T Mathew (Dept. of Voc. Education)
17	STCVE018	Mushroom Cultivation	Noby Mathew (Dept. of Biotechnology & Applied Microbiology)
18	STCVE019	Manufacturing and Marketing of Paneer Products	Minu Abraham (Dept. of Voc. Education)
19	STCVE020	Processing and Marketing of Gulab Jamun	Jinu T Jose (Dept. of Voc. Education)
20	STCVE021	Rasagula Preparation and Marketing	
21	STCVE022	തീരക്കഥാരചന (Screen Play Writing -Short Films)	Siju Joseph (Dept. of Malayalam)
22	STCVE023	Sports First Aid	Ashish Joseph (Dept. of Physical Education)
23	STCVE024	Weed Brush Cutter Training	M.S. Jayaprasad (Dept. of Vocational Education)

The courses were conducted in different batches, according to the number of students opted for each course. On successful completion of the course, on the recommendations of the committee, 'Certificate in Vocational Education' was awarded to them under the seal of the college in March 2019.

New Value Added Courses

10 New Value Added Courses were offered during the Academic year 2018-19. Fr. Salvin K Thomas, Department of Malayalam was the coordinator of the programme.

Course Code	Name of the value added course
STCVAC01	Certificate Course in Business Communication
STCVAC02	Certificate Course in Communicative English
STCVAC03	Information Technology for Office
STCVAC04	Web Technology

STCVAC05	Certificate Course in Adobe Photoshop
STCVAC06	Television Anchoring in Malayalam
STCVAC07	Certificate in SAS Programming and SPSS for Data Analysis
STCVAC08	Simplified Yoga Exercise for Sound Health

State Level Two Day Training Programme for PFMS – EAT & DBT Module

A State Level Two Day Training Programme for PFMS – EAT & DBT Module, was organized by IQAC, ST. Thomas College Palai, on 16 May, 2019 & 17 May, 2019. The programme was sponsored by the college management. It was intended to equip faculty in charge of PFMS and administrative staffs of different colleges to effectively manage central government and associated agencies funds management and tracking system better known as “Public Fund Management System (PFMS)”. The resource persons for the two-day training programme were Mr. A Rajesh, Sr. Accounts Officer and Mr. Roy M N, Operation Manager, PFMS, SPMU, Kerala. There were 23 participants from different colleges, of which 11 were faculty members and 12 were administrative staffs.

The inaugural function for the training programme started at 10 am on 16 May, 2019 at computer centre, St. Thomas College Palai with a silent prayer. Dr. Sunny Kuriakose, Vice Principal welcomed the gathering. He pointed out the need for expertise in PFMS, since it will be the lone fund transaction portal for all central or associated agencies assisted financial managements. The function presided over by Rev. Dr. James John, Principal and during his presidential address, he emphasized the fact that PFMS will bring the transparency and digitalization for all financial transaction of all institutions, which are having aid from central or state government / agencies. The programme was inaugurated by Mr. A Rajesh, Sr. Accounts Officer, PFMS, SPMU, Kerala. He explained that, how the office of Controller General of Accounts, Ministry of Finance, Government of India, implemented the system. Mr. Roy M N, Operation Manager, PFMS, SPMU, Kerala, addressed the gathering. Mr. Libin Kuriakose, Assistant Professor and Programme coordinator proposed the vote of thanks.

The programme was organized in such a way that there were enough time slots for hands on training with demo portal of the PFMS. Two-day training programme covered the PFMS modules such as EAT and DBT in detail. On the first day, Mr. A Rajesh handled sessions on general introduction to PFMS and Advance module. Mr. Roy M N discussed the Expenditure Module. They jointly managed the hands on training session. On the second day of the programme, there were sessions on Transfer module and Direct Benefit Transfer module, handled by Mr. Roy M N and Mr. A Rajesh respectively, followed by the hands on training sessions.

The participants mentioned that the hands of training sessions were very fruitful, since it provided the them to get acquainted with PFMS and to rectify the issues faced by them. Local hospitality was extended to all participants. The certificate of participation was distributed to all participants during the valedictory session. All the participants appreciated

the well-arrangement of the training programme, sincerity as well as dedications of resource persons and organizing committee.

International Workshop on Design and Statistical Analysis of Clinical Studies

As part of the diamond jubilee celebrations of the Department, an international workshop on Design and Statistical Analysis of Clinical Studies was conducted during 7-11 January 2019. The goal of this workshop was to provide a thorough review of statistical issues related to the design, management and statistical analysis of clinical studies. Ionut Bebu and Barbara Braffett, of the Department of Epidemiology and Biostatistics, George Washington University, USA were the resource persons.

One Day Seminar on “Relevance of Gandhian Economics in the Era of Globalisation”

As part of the celebrations of 150th birth anniversary of Mahatma Gandhi, a one day seminar on “Relevance of Gandhian Economics in the Era of Globalisation” was organized by the Department of Economics in association with Dr. P. J. Thomas Centre for Social Sciences Research on 25 March 2019. The function was formally inaugurated by Dr. M.S. John, professor, Department of International relations & Coordinator of the Centre for Gandhian Studies, Central University of Kerala, Kasargod. Rev. Dr. James John, Principal of the college presided over the meeting.

Workshop On Advanced Epidemiology

A Workshop on Advanced Epidemiology was organized by the Dept. of Biostatistics on 18 and 19 August 2018. Dr. Anil C. Mathew, Professor of Biostatistics at PSGIMSR, Coimbatore was the Resource Person.

Seminar on Translation Studies & Technology

A one day seminar on Translation Studies & Technology was organized by the department on 14th September 2018. Dr. Prameela K.P. Professor, Dept. of Hindi, Sree Sankara University of Kalady was the chief resource person for the programme and the function was inaugurated by the college principal. Dr. C. K James, HOD of the Department presided over the function and Dr. Anish Cyriac proposed the vote of thanks.

INVITED LECTURES DELIVERED BY EXPERTS

Department of English

1. Dr. Joseph Dorairaj, the Dean of English and Foreign Languages at Gandhigram Rural Institute, Gandhigram, Tamil Nadu delivered the talk on the ‘Orientation to Literary Theory’

Department of Hindi

1. A talk on “Women Writings in Contemporary Hindi Poetry” was delivered on 18th

- March 2019 by Dr. Subramnyan V.K. , H.o.D. Dept. of Hindi. Calicut University.
2. An invited talk on “Contemporary Hindi Poetry” was delivered by Dr. Babu K. Viswanathan, Associate Professor, SSUS Kalady on 26th February 2019.

Department of Malayalam

1. An invited Talk based on Malayalam Poetry was delivered by Sri. Kureepuzha Sreekumar, the famous Malayalam poet on 28th September 2018 at the College Auditorium. The programme ‘Kavyalapanam’ based on Kureepuha’s Poems was also conducted by Malayalam Association on the same date.

Department of Physics

1. A talk on “Frontiers in Physics Research” by Dr. Mercy Mathews, Assistant Professor, Dept. of Physics, K.E. College, Mannanam on 29-08-2019
2. Antony Simon Memorial lecture on “Thin films and Nanostructures for optoelectronic applications” on 05-03-2019. The seminar was led by Prof. M. K. Jayaraj, Dept of Physics, Cochin University of Science and technology.

Department of Political science

1. Dr. M. S. John Professor and Director of Global Studies and Politics, Central University of Kerala offered an talk to the students of the Political Science on the topic ‘New Trends in Political Science’ on 27th July 2018 at Tiserant Hall.
2. The Department of Political Science organized an invited talk on “Beat Plastic Pollution” (this year’s UNEP’s theme) by Dr. Jomy Augustine, HoD, Department of Botany on 5th June 2018.

Department of Commerce

1. Invited Talk on Environmental Challenges of 21st Century by Dr. C. T. Francis on 05-06-2018.
2. Invited Talk on Economic Environment of Business by Dr. Tojo on 24-10-2018.
3. Seminar on Goods & Services Tax (GST) and CA Career Counselling on 26-10-2018.
4. Seminar on Nobel Memorial Prize in Economic Sciences 2018 on 15-10-2018.

Department of Biotechnology and Applied Microbiology

1. Talk on Stem Cells: The power to renew Dr. Philip Litto Thomas, Asst. Professor, SB College on 13th November 2018.
2. Talk on recent advances in Genomics by Dr. Iny Elizabeth Mathew, NIPGR, New Delhi on 13th November 2018.
3. Seminar on Immune Checkpoint Inhibitors: A New Hope in Cancer Research by Dr. Joseph Job, Associate Professor, SB College Changanacherry on 13 Nov 2018.
4. Dr. Salvy Thomas, Asst. Professor of S B College Changanacherry took a class on “Current Ecological Challenges” on 12th March 2019.
5. Dr. Greeshma, Sans Pharma, conducted a workshop in UGC NET/JRF General Aptitude on 12th March 2019

Department of Biostatistics

1. Under the auspices of the Biostatistics Association, an Industry Interaction Programme was organized on 17th September 2018. Mr.Soni Joseph, CEO, Stat Analytics & Predittori Consulting Pvt. Ltd, Bengaluru and Mr. Jerome Cherian, MD, Vadizen Technology and Services, Kochi shared their experiences in Data Analytics and offered training.

Research Projects Completed

1. Dr. K. K. Jose was the Project Director for 'The Study on Kerala Government Certificate Examination (KGCE) Courses in Engineering' for the Department of Higher Education, Govt. of Kerala in a project executed by the Kerala Statistical Institute, Trivandrum and the Final report was submitted in April 2018. It was highly appreciated by the Principal Secretary for Higher Education and the recommendations made were implemented by the Govt. of Kerala.
2. Dr. K. K. Jose was the Principal Investigator for the KSCSTE sponsored Project on 'A Study on 'Some Asymmetric Distributions and Their Applications in Statistical Modeling' during 2015- 18 and the final project report was submitted in December 2018

Archaeological Exploration In The Meenachil River Basin

Dr. Cyriac Jose of the department of archaeology obtained permission from Archaeological Survey of India to conduct archaeological exploration in the Meenachil river basin for the field season 2018-2019. The exploration revealed evidences of Iron Age-Megalithic period and remains of medieval trade and a detailed report of the exploration was submitted to the Archaeological Survey of India. This also provided an opportunity for the graduate students to get trained in the field archaeology.

Research Papers Published

Title of the paper	Name of the author	Title of the journal	Year
Wrapped Lindley Distribution	K. K. Jose and Savitri Joshi	Communications in Statistics: Theory and Methods, 47, 5, 1013-1021.	2018
Two new species of Impatiens (Balsaminaceae) from the Western Ghats, India	Bince Mani , Sinjumol Thomas, S. John Britto	Phytotaxa, 334(3):233-240	2018
Strobilathes orbiculata (Acanthaceae) a new species and notes on S. Matthewiana from the southern Western Ghats, India	Sinjumol Thomas, Bince Mani , S. J. Britto	Phytotaxa, 369(1):047-055	2018
Hepato-protective Effect of Clove Bud Polyphenols (Syzygium aromaticum L.) (Clovinol) by Modulating Alcohol Induced Oxidative Stress and Inflammation	Ratheesh M	Journal of Food Research, 7(1), 2018	2018
Chitosan Encapsulation Enhances the Bioavailability and Tissue Retention of Curcumin and Improves its Efficacy in Preventing B[a]P-induced Lung Carcinogenesis	Jayesh Antony	Cancer Prev Res (Phila), 12(4):225-236.	2019

Strobilanthes mullayanagiriensis and S. bislei (Acanthaceae) - two new species from the Western Ghats, India	Sinjumol Thomas, Bince Mani , A K Pradeep	Plant Science Today, 2019, 6(1):46-53	2019
Reliability Test Plan for Gumbel - Uniform Distribution	K. K. Jose , Jeena Joseph	Stochastics and Quality Control. 33(1): 71-81	2018
Reliability Test Plans for Percentiles Based on the Harris Generalized Linear Exponential Distribution	K. K. Jose , Albin Paul	Stochastics and Quality Control. 33(1): 61-70	2018
Wrapped Log Kumaraswamy Distribution and its Applications	K. K. Jose , Jisha Varghese	International Journal of Mathematics and Computer Research, 6,10, 1924-1930.	2018
CuInS ₂ -In ₂ Se ₃ quantum dots - a novel material via a green synthesis approach	Ison V V.	RSC Advances	2018
Some Lattices associated with a Double Fuzzy Topological Space	Sunil C Mathew , Vivek S	The Journal of Fuzzy Mathematics, 27(1): 153-170	2019
Strobilanthes tricostata, a new species of Acanthaceae from the Western Ghats, India	S.Thomas, Bince Mani , S. J. Britto, AK Pradeep	Phytotaxa, 413 (3):244-250	2019
Applications of Marshall-Olkin Generalized Family of Distributions.	Lishamol Tomy, K.K. Jose , Sophia P. Thomas	Research & Reviews: Journal of Statistics; 7(1): 22–37	2018
Generalized Polya-Aeppli Process and Its Applications in Risk Modelling and Analysis	K. K. Jose and Shalitha Jacob	IOSR Journal of Business and Management, 20,10-24-35	2018
Gumbel-Frechet Distributions and its Applications	K K Jose , J Joseph	Int. Journal of Mathematics and Computer Research, 5(7):1954-1964.	2019
Harris Extended Log-Kumaraswamy Distribution and its Applications	K.K. Jose , J. Varghese	IAPQR Transactions, 44(1)	2019
Marshall-Olkin Exponential Power Distribution and its Generalizations: Theory and Applications	K. K. Jose and Albin Paul	IAPQR Transactions, 43 (1), 1-29.	2018
On a Generalization of Gumbel-Uniform Distribution.	Jeena Joseph, K. K. Jose	Research & Reviews: Journal of Statistics; 7, 2, 21-26	2018

On a Generalization of Weibull Distribution and its Application in Quality Control	K. K. Jose, L.Tomy, S. P. Thomas	Stochastics and Quality Control,33(2),1-12	2018
Polya - Aeppli Noncentral Chi-Square Process and its Applications in Risk Analysis	K. K. Jose and Shalitha Jacob	International Journal of Mathematics and Computer Research,6,8,1903-1911	2018
Probability, Possibility and Fuzziness: Towards an Integral Understanding of Reality	K. K. Jose	Science – Religion Dialogue and Its Contemporary Significance; 149-162.	2018
Wrapped Fernandez and Steel's Skewed Laplace Distribution and its Applications in Ornithology	K. K. Jose, Jisha Varghese	Research & Reviews: Journal of Statistics ; 6(3): 73–83. (2017).	2018
Wrapped hb-skewed laplace distribution and its application in meteorology	Jisha Varghese, K. K. Jose	Biometrics & Biostatistics International Journal, 7(6): 525–530.	2018
Electron irradiation induced effects on the physico-chemical properties of L-Arginine Maleate Dihydrate(LAMD) single crystals	Ginson P Joseph	Nuclear Instruments and Methods in Physics Research	2018
Electron irradiation induced effects on the physico-chemical properties of l-Arginine Maleate Dihydrate (LAMD) single crystals	P. Thomas, S D Dhole, Ginson P. Joseph	Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, 426:46-55	2018
Influence of MnCl ₂ on the properties of an amino acid complex single crystal-l-arginine perchlorate (LAPCl) for optical limiter applications	Ginson P Joseph	Journal of Materials Science: Materials in Electronics	2019
Tuning the optical, Electrical and Thermal Properties of L-arginine maleate dihyderate (LAMD) single crystals for Optical Limiter Applications	P. Thomas, Ginson P Joseph, et.al.	Journal of Materials Science: Materials in Electronics, 30 (18): 17322-17332	2019
A study to assess the knowledge on digital financial inclusion among scheduled castes and scheduled tribe	Tejil Thomas	IMPACT: International Journal of Research in Humanities, Arts and Literature	2018

A Novel Formulation of Coconut Inflorescence Sap Inhibits Alcoholic Liver Damage by Modulating Inflammatory Markers, Extracellular Matrix Metalloproteinase and Oxidative Stress	Ratheesh M	Journal of food biochemistry	2018
Clove Bud Polyphenols Alleviate Alterations in Inflammation and Oxidative Stress Markers Associated with Binge Drinking: A Randomized Double-Blinded Placebo-Controlled Crossover Study	Ratheesh M	Journal of Medicinal Food, 21(11):1188-1196.	2018
Curcumin-galactomannoside complex inhibits pathogenesis on Ox-LDL challenged human peripheral blood mononuclear cells	Ratheesh M, S Saji, et.al	Inflammopharmacology, 26(5):1273-1282	2018
Curcumin-galactomannosides mitigate alcohol-induced liver damage by inhibiting oxidative stress, hepatic inflammation, and enhance bioavailability on TLR4/MMP events compared to curcumin	Ratheesh M	Journal of Biochemical and Molecular Toxicology, 33(6).	2019
NEERA: A Nonalcoholic Nutritious Beverage from Unopened Inflorescence of Coconut Palm	Ratheesh M, S Asha,	Natural Beverages,339-360	2019
Water-soluble polyphenol-rich clove extract lowers pre- and post-prandial blood glucose levels in healthy and prediabetic volunteers: an open label pilot study	Ratheesh M	BMC Complementary and Alternative Medicine	2019
Photoinduced electron transfer in novel CdSe- Cu ₂ Se type II core-shell quantum dots	Ison V V.	RSC Advances	2019
On the extensions of a double fuzzy topological space	Sunil C Mathew, Vivek S	Journal of Advanced Studies in Topology, 9(1):75-93	2018
Decoding and modelling of time series count data using Poisson hidden Markov model and Markov ordinal logistic regression models	Tunny S, Visali P. V., Jeyaseelan L, Sebastian George, Shrikant B.	Statistical Methods in Medical Research	2018
Antibacterial and phytochemical evaluation of leaf extract of <i>Microsorium punctatum</i> (L.) Copel. towards bacteria involved in cutaneous diseases.	Toji Thomas	Journal of Pharmaceutical and Scientific Innovation, 7(6):228-230	2018
Antibacterial evaluation of gradient extracts of <i>Stenochlaena palustris</i> (Burm.f) Bedd. towards bacteria involved in skin diseases	Toji Thomas	Journal of Global Pharma Technology, 11(1):1-4	2019

Rediscovery of <i>Strobilanthes andersonii</i> (Acanthaceae) from the Western Ghats of India	Sinjumol Thomas, Bince Mani , S. John Britto	International Journal of Scientific Research and Reviews, 2018, 7(3), 1080-1084	2018
<i>Strobilanthes carmelensis</i> (Acanthaceae), a new species from the Western Ghats, India	S. Thomas, Bince Mani , S J Britto, A K Pradeep	Webbia, pp. 1-5	2019
Defects characterization studies of Europium-substituted Bismuth Ferrite Nanocrystals by positron annihilation and other methods	Jincemon Cyriac , Sunny Mathew , et.al.	Journal of Physics D: Applied Physics, 51(43).	2018
An Empirical Analysis on Herding behavior in Indian Futures Market	Babu Jose	SANYOJAK- Journal of Commerce and Management, 6(11)	2018
Does Herding behavior exist in Indian Futures Market?	Babu Jose	Research Journal of Commerce and Behavioral Science, Vol-8, No.4, pp 13-20	2019
Evidence for herding in futures market: An empirical analysis of Indian infrastructure Sector	Babu Jose & James Varghese	International Journal of Indian Economic Light	2019
Investors Herding in Indian Stock Market: An empirical Analysis	Babu Jose & James Varghese	IOSR- Journal of Business & Management	2018
Presence of Herding in Futures Market - An investigation on Indian Banking Sector	Babu Jose	Research Journal of Economics and Business Studies, 8(4):1-7	2019
The Effectiveness of Optimal Risk Reduction in Indian Futures Market	Babu Jose & James Varghese	International Journal of Management Studies, Vol.-V, Issue -4(7)	2018
Aggregation Enhanced Excimer Emission Supported, Monomeric Fluorescence Quenching of Dendritic Hyperbranched Polyglycerol Coupled 1-Pyrene Butyric Acid Lumophore as a Sensing Probe for Fe ₂ O ₃ Nanoparticles	Sherin Philip and Sunny Kuriakose	Journal of Fluorescence	2019
Allelopathic Potential of the Purified Fraction from <i>Nyctanthes arbor-tristis</i> L. on Early Seed MNF10 Growth and Seedling Characteristics of <i>Vigna radiata</i> (L) Wilczek	Shelmi Antony, Benny P J, Sunny Kuriakose	International Journal of Science, Engineering and Management, 3(5).	2018

Photochemical Studies and Photoinduced Antibacterial Properties of Silver Nanoparticle- Encapsulated Biomacromolecule Bovine Serum Albumin Functionalised with Photoresponsive Chromophoric System 2-[(E)-(3-Hydroxynaphthalen-2-yl) diazenyl] Benzoic Acid	Sunny Kuriakose	Nano-Structures & Nano-Objects, 16, 347–353	2018
Spectroscopic and Thermal Investigation of Silver Nanoparticle Dispersed Biopolymer Matrix Bovine Serum Albumin: A Promising Antimicrobial Agent against the Pathogenic Bacterial Strains	Sunny Kuriakose , Linta Maria Jose	Macromolecular Research, 27(7), 670-678	2019
Studies on the antibacterial activity of water-soluble iron oxide nanoparticle- β -cyclodextrin aggregates against selected human pathogenic bacteria	Sherin Philip and Sunny Kuriakose	Nano-Structures & Nano-Objects	2018
Synthesis of Superparamagnetic Iron Oxide Nanoparticles Stabilized by Biocompatible Supramolecular β -Cyclodextrin for Biomedical Applications	Sherin Philip and Sunny Kuriakose	Materials Today: Proceedings	2019
Allelopathic Potential of the Purified Fraction MN-F10 From Nyctanthes Arbor-Tristis L. on Early Seed Growth and Seedling Characteristics of Vigna radiata (L) Wilczek	Shelmi Antony, Benny PJ and Sunny Kuriakose	International Journal of Advances in Science, Engineering and Technology (IJASEAT) Vol 3, Issue 5, May 2018 ; PAGE No.4-8.	2018
Mechanistic Evaluation of Allelopathic potential of Nyctanthes Arbor-Tristis on cell division and growth of onion root bulb [Allium cepa L.]	Shelmi Antony, Benny P J	International Journal of Science, Engineering and Management (IJSEM), 3(11)	2018
Neo-simple methodology for the evaluation of potential botanic insect repellents and rapid comparative study on specific chemical and photosensitivity of selected insects	Aravind Gopal, PJ Benny	International Journal of Life Sciences	2018
Phytochemical Analysis and in Vitro Antiinflammatory Activity of Three Indigenous Plants by Rbc Membrane Stabilization Method	Benny PJ	World Journal of Pharmaceutical Research Volume 7(16), 912-919	2018
Selective comparison of repellent activity with contact toxicity of certain essential oils against different insect orders	Aravind Gopal, PJ Benny	International Journal of Life Sciences	2018

Strobilanthes kannanii- a new species of Acanthaceae from Western ghats, India	E. J. Josekutty, P. Biju, JRI Wood, Jomy Augustine	Nordic Journal of Botany 36 (8):	2018
Generalized confidence intervals for the overlapping coefficient of two Pareto distributions	Seemon Thomas	International Journal of Computational and Theoretical Statistics, 5(2), 95-100.	2018
Interval estimation of overlapping coefficient of two exponential distributions	Sibil Jose, Seemon Thomas , T.Mathew	Journal of Statistical Theory and Applications 18(1), 26-32	2019
Interval Estimation of the Overlapping Coefficient of Two Normal Distributions: One Way ANOVA with Random Effects	Seemon Thomas	Thailand Statistician, 17(1), 84-92.	2019
Modeling of agricultural price data using hidden Markov model	Seemon Thomas	International Journal of Computational and Theoretical Statistics 6(1),19-25	2019
Modeling of Dengue Fever Death Counts Using Hidden Markov Model	Joshni George, Seemon Thomas	Journal of Environmental Statistics 8(9), 1-11	2018
Lagenendra cherupuzhaica (Araceae), a new species from Kerala, India	E.J.Josekutty, P. Biju, Jomy Augustine	Annals of Botany Fennici., 55:139-143	2018
Sonerilaraghaviana Ratheesh et al a new Disributiona Record for Kerala, India	E.J.Josekutty, P. Biju, Jomy Augustine	International Journal of Current Advanced Research	2018
Impacts of solar energy technologies on the environment	Jibin Joseph	International Journal of Latest Trends in Engineering and Technology , 11(4), pp.017-022,	2018
Influence of the Nag Factor on Parents' Buying Behaviour	Tejil Thomas	Research Guru,12(2)	2018
Perceived Relationship Quality of Destination Marketing Organisations in Kerala	Tejil Thomas	Impact: International Journal of Research in Humanities, Arts and Literature	2018

Effect of Goods and Services Tax on FMCG Sector	Mathew Abraham	International Journal of Creative Research Thoughts	2018
A Customer Centric Study on GST in Insurance and Automobile Sector	Mathew Abraham	International Journal of Research in Economics and Social Sciences	2018
A study on Microfinance and its role on Dairy Sector in Kerala	Boney Bose	International Research Journal of Management and Commerce	2018
Demonetization: Impacts and effects on small scale merchants, A study with reference to Pala municipality	Boney Bose	International journal of research and analytical reviews	2018
Effect of Goods and Services Tax on FMCG Sector	Mathew Abraham	International Journal of Creative Research Thoughts	2018
Glass Ceiling on Women – Upsurge or Downturn	Mathew Abraham	International Journal of Research in Engineering, IT and Social Sciences	2019
GST – A Panacea for Economic Growth in India	Mathew Abraham	Journal of Emerging Technologies and Innovative Research	2018
Impact of GST on the Unorganized Retailers in Palai Municipality	Mathew Abraham	International Journal of Research in Commerce, IT & Management	2018
Microfinance and its roles in Dairy sector of Kerala	Boney Bose	Journal of social welfare and management	2018
Role of meenachil service co-operative bank Edamattom, Kerala in rural development	Boney Bose	Journal of Emerging Technologies and Innovative Research	2018

The effect of microfinance on dairy sector for uplifting backward sector in kerala	Boney Bose	International journal of commerce and management research	2018
The Impact of Kudumbashree on Improving the Standard of Women in Kerala	Boney Bose	International Journal of Social Science and Economic Research (IJSSER)	2018
The Role Played by VICIB in Women Empowerment and Economic Development in Kottayam District, Kerala	Boney Bose	International Journal for Research in Engineering Application and Management (IJREAM)	2018
Working class Life In Sillitoe's Saturday Night and Sunday Morning and the Loneliness of Long Distance Runner	Josit Maria	Research Guru	2019
Digital transaction trends among the rural people in Kerala in the Post demonitisation period	Biju K C	International Journal of Research and Analytical Reviews, 5(4).	2018
Income generating activities of SHGs promoted by Government and NGOs in Kerala: A comparative analysis	Biju K C	International Journal of Research and Analytical Reviews, 6(1).	2019
Lifestyle diseases in Kerala: A Critique of Institutionalized Culinary Habits under Globalization.	Joby Mathew	Universal Review Journal Vol. VIII, Issue V	2019
Church Murals in the South Central Kerala.	Cyriac Jose	Sahapedika, online Journal.	2018
Crisis in Plantation Industry and its Impact on Eco-tourism in Idukki District Kerala	James John	Mirror	2018
Historical Approach to the Origin and Growth of Rubber in the World with Special Reference to the Cultural and Archeological factors.	James John	Mirror	2018
Mahadev Govind Ranade: A Prophet of Socio-religious Reform Movement of Wesern India	James John	International Journal of Research and Analytical Reviews (IJRAR)	2019
Recent findings and Interpretations on church murals in the south central Kerala	Cyriac Jose	Sahapedia Online journal	2019

The Women and the Socio-cultural Changes in Kerala during the Sixteenth Century	James John	Research Review International Journal of Multidisciplinary.	2019
Cinema -Mathavumayulla Saadharmyavum Yadharthyavum	Salvin K Thomas	Thudi- Research Journal, Kannur University	2018
Kavitha prinamathinte azhakadayalungal	Siju Joseph	Malabar Research manual	2018
Paristhika prethibodham chathuppu	Prince Mon Jose	Sahityalokam	2018
Sisekum Cinemayum	Thomas scaria	Thudi	2018
Investigation of structural, optical and electrical properties of transition metal oxide semiconductor CdOeZnO nanocomposite and its effective role in the removal of water contaminants	Jobin Job Mathen	Journal of Physics and Chemistry of Solids, 126	2018
Indian dream of triangular strategic partnership in middle east: complexities and possibilities	Riju Simon, Stany Thomas	Mirror Peer Refered International Journal of Commerce Management & Social Science, 8(4)	2018

Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings

Name of the faculty	Title of the book/ Chapter/ Conference proceedings	Publisher	ISBN (if any)
Dr. Sunny Kuriakose	Text Book of Polymer Chemistry (Text book of VI Semester BSc Chemistry elective paper – Polymer Chemistry)	Bharat Publishers, Pala, 2018	Nil
Dr. G.D. Gem Mathew	Organic Chemistry II (A textbook for B.Sc. Core Course in Chemistry, IV Semester, of Mahatma Gandhi University)	Vishal Publishing Co., Jalandhar, December 2018	978-93-87015-64-7
Dr. G.D. Gem Mathew	Advanced Bio-Organic Chemistry (A textbook for B.Sc. Complementary Course in Chemistry, IV Semester, of Mahatma Gandhi University)	Vishal Publishing Co., Jalandhar, December 2018	978-93-87015-57-9
Dr. Thomas V. Mathew	Physical Chemistry I (A textbook for B.Sc. Complementary Course in Chemistry, III Semester, of Mahatma Gandhi University)	Vishal Publishing Co., Jalandhar, June 2018	978-93-87015-29-6

Dr. Thomas V. Mathew	Physical Chemistry II (A textbook for B.Sc. Complementary Course in Chemistry, IV Semester, of Mahatma Gandhi University)	Vishal Publishing Co., Jalandhar, December 2018	978-93-87015-58-6
Dr. Ison V Vanchipurakal	Modern Physics, Magnetism and Electronics	Vishal Publications	78-93-87015-45-6
Dr. Jobin Job Mathen and Augustine J Edakkara	Optics, Laser and Fiber Optics	Vishal Publications	978-93-87015-34-0
	Optics and Electricity	Vishal Publications	978-93-87015-61-6
	Optics and Solid state Physics	Vishal Publications	978-93-87015-62-3
Dr. Siby James	One of the Two Editors of <i>Gems of Imagination</i> , English Common Course Text book for III Sem. B.com.	Cambridge University Press	
Dr.K.K.Jose	Research Methodology for Management	Ane Books Pvt. Ltd, New Delhi	978-93-88264-67-9
Dr.Jayesh Antony	Evaluation of Tryptanthrin as a lead molecule in skin cancer	3 rd International Conference on Neutraceuticals and Chronic Diseases, Proceedings Page no.60, Sep 2018	Nil
Dr. CK James	ParithithikSankatAurSamakaleenRachnakar by Dr.Usha Nair, Samakaleen Hindi KavithaMeimParisthithikiPage No. 75-84 ISBN No. 978-93-88684-11-, Published in 2019	VaniPrakashan New Delhi	ISBN No. 978-93-88684-11
Dr. Anish Cyriac	ParithithikSankatAurSamakaleenRachnakar by Dr. Usha Nair, Hindi KavithaMeimJalAurjameen se JudihuiSamasyayem.Page No128-133 ISBN No. 978-93-88684-11-, 2019	VaniPrakashan New Delhi	978-93-88684-11
Dr. Anish Cyriac	Yug Nirmatha Gandhi, SahityakeAaynemeim, by Dr. Arsu (Editor) 2019, Sangram Aur Sangarsh ke padh par Ghandi. (Sandarbh –Bapu – Kavya : Dinkar)	Amanprakashan, Kanpur	No. 978-93-89220-35-3
Dr. Sojan Pullattu	Nadodikathakalude kathana parambariyam jana priya sahatyathil	Turn Books Kottayam	978-93-87709-07-2
Thomas Scaria	Parinamathinte viraladayangal (editor)	Ascend kottayam	978-93-5300-314-2

Thomas Scaria	Paristhithivijnanam manushyavakasha padanavaum (editor)	Ascend kottayam	93-84357-19-1
Dr. Prince Mon Jose	Drisyapadavum sahithyapadavum (editor)	Department of malayalam St.Thomas College Palai	978-93-5300-167-4
Dr. Prince Mon Jose	Malayalasaahithyacharithram vidhyarthikalkku	Seed books	61-936979-4-4
Siju Joseph	Kadhayude Kanalattangal (Editor)	Saikatham Books kothamnagalam	ISBN 978-81-937338-3-7
Siju Joseph	Arividangalude Akhyanam Malayala Cinemayil (Edited.) Cinemayude Lavanya sastram, 2018	Ascent Books Kottayam	ISBN 978-93-84282-70-7
Siju Joseph	Thozhilinte Nadodi vazhakangalum Parinamavum (edited.) Folklore padathinte Puthuvazhikal	Turn Books Kottayam	ISBN 978-93-87709-07-2
Siju Joseph	Akhanathinte Subhasakuna (Ed.) Cheru katha Novel Padanavum Nirupanavum	Turn Books Kottayam	ISBN 978-93-87709-12-6
Soumya Jose	Aadunika malayala bhasha (editor)	NBS, Kottayam	LSBN 978-93-88163-86-6
Soumya Jose	Cinema sankalpavum Vayharavum , Malayalathile Nirtha Cinemkal (Edited) Cinema Sankalpavum vavyaharvum	Ascent Books Kottayam	ISBN 978-93-84282-19-6
Tony Joseph	Parivarthanathinte folk padangal erinjadangal a novel study.(edited)	Turn Books Kottayam	ISBN 978-93-87709-07-2 2018
Dr. Salvin K Thomas	Isenstente Chalachira Sankalpavum (Edited.) Cinema Sankalpavum vavyaharvum	Ascent Books Kottayam	ISBN 978-93-84282-19-6
Dr. Suvarnani Devi E	Kalidasa sakunthalavum sakuthala Cinemayum A comparative Study (Edited) Cinema Sankalpavum vavyaharvum	Ascent Books Kottayam	ISBN 978-93-84282-70-7

FACULTY PARTICIPATION IN CONFERENCES, SEMINARS

Resource Person, Paper Presenter, Participation

- Sri Paul V. Karamthanam delivered an invited lecture (Resource Person) for the Higher Secondary School Teachers Transformation Programme conducted on 22-11-2018 at Maharajas College, Ernakulam.

- Sri Paul V. Karamthanam delivered an invited lecture (Resource Person) for the Higher Secondary School Teachers Transformation Programme conducted on 7-2-2019 at University College, Thiruvananthapuram.
- Dr. Jomy Augustine delivered a lead talk on the “Habitat and Distribution of Strobilanthes” in the international seminar on Plant Taxonomy at Department of Botany, MS University Vadodhara, Gujarat on 7-11- 2018. This programme was conducted by Indian Association of Angiosperm Taxonomy (IAAT).
- Dr. Jomy Augustine delivered an invited talk on “Biological Causes and Remedies of Nature Disasters” on Kerala State Biodiversity Congress held at Govt. Brennan College, Thalassery on 26-1-2019.
- Dr. Bince Mani participated and presented a paper in the international seminar on Plant Taxonomy at Department of Botany, MS University Vadodhara, Gujarat on 7-11-2018.
- Dr. Biju K.C., Prof. Alan Zacharia and Prof. Joben K. Antony participated in the workshop on curriculum/syllabus restructuring of PG programme in Economics organised by MG University, Kottayam at Govt. College, Nattakom, Kottayam during 28-30 January 2019.
- Dr. Biju K.C. participated in the workshop on Teaching Econometrics at Under-Graduate level, organised by Centre for Budget Studies CUSAT in collaboration with Kerala State Higher Education Council, during 14 – 20 March 2019.
- Three Day National Workshop on "Research Issues in Graph Theory" held at MEPCO SCHLENK Engineering College, Sivakasi, Tamilnadu from 20- 12-2018 to 22-12-2018.
- Conference on New Trends in Higher Education organized by the Council of Principals of College in Kerala on 5 November 2018 at MES College Marampally, Aluva, Kerala.
- Simi N. J. and Ison, V. V., Structural and Optical Characterization of CuInS₂-In₂Se₃ Green Nanostructures by Hot Injection Method. International conference on materials for energy and environment (ICMEE), February 23-24, 2018, Loyola College, Chennai.
- Simi N. J. and Ison, V. V., Structural and optical characterization of amine stabilized CdSe Quantum Dots. International conference on advances in materials science (ICAMS), October 24-25, 2018, Sree Sankara College, Kalady.
- Simi N. J. and Ison, V. V., CdSe-Cu₂Se core shell heteronanostructures for photovoltaic applications. International conference on optoelectronic and nanomaterials for advanced technology (iCONMAT), January 3-5, 2019, CUSAT, Cochin.
- Simi N. J. and Ison, V. V., CdSe-Cu₂Se type- II core shell quantum dots for photovoltaic applications. National seminar on materials, methods, sensors for electromagnetic applications (emMET II), January 24-25, 2019, Christ College, Irinjalakuda.
- Simi N. J. and Ison, V. V., Photoluminescence quenching studies on ZnTe-ZnSe core-shell quantum dots. National seminar on recent advances in photochemistry (NSPC), February 21-22, 2019, St. Michel’s College, Cherthala.
- Simi N. J. and Ison, V. V., Quantum Dot Sensitized Solar Cells with Highly Efficient Type-II CdSe-Cu₂Se Core Shell Quantum Dots. Nano India 2019 | Biennial National Conference April 26-27, 2019, Mahatma Gandhi University, Kottayam.
- James Varghese participated in Five Day national Level Workshop on Econometric

Tools for Business Research at Department of Management Studies, School of Management, Pondicherry University during 02 – 06 July 2018.

- Dr. Babu Jose has attended the National Seminar on Financial Modeling at Govt. College kottayam on 16&17 October 2018.
- James Varghese has attended a Three Day National Workshop on Time Series Analysis and Basics of Behavioural Finance, Sponsored by Directorate of Collegiate Education, Govt. of Kerala at Baby John Memorial Government College, Chavara , Kollam during 28 – 30 November 2018.
- Dr. Babu Jose has attended the Three Day National Workshop on Time Series Analysis and Basics of Behavioural Finance, Sponsored by Directorate of Collegiate Education, Govt. of Kerala Baby John Memorial Government College, Chavara , Kollam for the period 28 – 30 November 2018.
- Dr. Babu Jose has attended Smart India Hackathon 2019 on 15 January 2019 at MGM College of Engineering and Technology Movattupuzha.
- James Varghese presented a research paper in 8th India Finance Conference – 2018 at Indian Institute of Management (IIM) Calcutta during 20 - 22 December 2018.
- Dr. Babu Jose presented a research paper in 8th India Finance Conference – 2018 at Indian Institute of Management (IIM) Calcutta during 20 - 22 December 2018.
- James Varghese presented a research paper in the National Seminar on Entrepreneurship Development: Policies and Strategies at School of Commerce and Management, Gangadhar Meher University, Amrutha Vihar, Sambalpur during 15 – 16 March 2019.
- Bobby Simon presented research paper in the National Seminar on Entrepreneurship Development: Policies and Strategies during 15- 16 March 2019 at Gangadhar Meher University, Amruta Vihar, Sambalpur.
- Dr. Tejil Thomas served as a resource person in One day workshop on research methodology at Department of Commerce, SH College Thevara, on 03.10.2018.
- Dr. Tejil Thomas was the resource Person in Research Methodology work shop at BVM College Cherpunkal on 11th December 2018.
- Dr. James John attended a national seminar on Changing Landscapes of Higher Education in India and the Impending Changes on 22& 23 September 2018 organized by Xavier Board in Christ University Bangalore.
- Dr. James John Mangalath participated and served as a moderator in an international seminar on Social Change in India and the Catholic Church on 3&5th May 2019 at Association of Catholic Historians of India, Bangalore
- Dr. James John participated in a conference at MES College Marampally, Aluva on 5th November 2018 on the topic New Trends in Higher Education.
- Dr. K. K. Jose, Rose Maria Jose and Meenu Tom participated in the Curriculum Revision Workshop for revising the syllabi of M.Sc. Statistics and M.Sc. Biostatistics organized by Mahatma Gandhi University Kottayam at K.E. College Mannanam during 17-21 December 2018. Dr. K. K. Jose also acted as a resource person. The entire syllabi for M.Sc. Biostatistics was restructured and model question papers prepared by our faculty members.
- Dr. K. K. Jose acted as a resource person for the restructuring of the syllabi for M.Sc. Actuarial Science held at M.A. College Kothamangalam during 21-23 January 2019.
- Dr. K. K. Jose delivered an invited talk on ‘Recent Developments in Autoregressive Processes and Financial Modeling in the National Seminar on Recent Trends in

Statistical Sciences held as part of the 40th Annual Conference of the Kerala Statistical Association held at Dept. of Statistics, University of Kerala during 7-9 March 2019.

- Dr. K. K. Jose delivered an invited talk on ‘Stephen Hawking- The Mathematical Genius’ in the International Symposium on Critical Perspectives on Hawking’s Research and Life held at St. Xavier’s College, Ahmedabad during 8-10 February 2019.uring 8-10 Nov 2018.
- Dr. K. K. Jose delivered an invited talk on ‘Mathematical Modeling and Career Opportunities for Mathematicians and Statisticians’ in the National Seminar organized by the Dept. of Mathematics and Statistics, Little Flower College, Guruvayoor on 22 January 2019.
- Dr. K. K. Jose delivered an invited talk on ‘Some Generalized Families of Distributions and Their Applications’ in the National Conference on Advances in Statistical Methods held at Dept. of Statistical Sciences, Kannur University .
- Dr. K. K. Jose and Mr. Noel George participated in the 36th Annual Conference of ISMS held at NIMHANS Bagalore during 1-3 Nov 2018. Dr.K.K.Jose also delivered an invited talk on ‘ T-X family of Distributions and Their Applications in Biostatistics. Mr.Noel George presented a contributory paper.
- Dr. K. K. Jose delivered an invited talk on ‘Non-Gaussian Time Series Modeling with special emphasis on crop prices in the National Conference on Recent Trends in Statistics held at Salem Sowdeswari College, Salem during 14- 15 September 2018.
- Mr. Noel George attended the SAS Faculty Development Program for Curriculum Building for Data Science and Business Analytics organized by SAS Institute Mumbai at Amrutha Vishwa Vidyapeetham, Coimbatore during October 9-11, 2018.
- Roberse Thomas delivered an invited talk on “Research Methodology and Writing Skills” in SN College for Women in Kollam on 6 February 2019

Teachers Who attended Refresher/ Orientation/ Faculty Development Programmes

Name of teacher who attended	Title of the program	Date
Jishnu Venugopal	Orientaion Programme in connection with the training of Coordinators of Scholar Support Programme	12-09-2018
Shilpa Mathew	Orientation Course, UGC-HRDC, Pondicherry Central University, Pondicherry	01-06-2018 to 28-06-2018
Joby Mathew	Faculty Development Programme	01-07-2017 to 31-06-2019
Salvin K Thomas	UGC Sponsored Refresher Course in Malayalam Language and Modern Literature, UGC-HRDC, University of Kerala	01-11-2018 to 23-11-2018
Sojan Pullattu	UGC Sponsored Refresher Course in Malayalam Language and Modern Literature, Human Resource Centre University of Kerala	01-11-2018 to 23-11-2018
Shilpa Mathew	On line Refresher Course in English Language Teaching	01-11-2018 to 28-02-2019
George Joseph	Faculty Development Programme	02-11-2016 to 01-11-2018

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Suvarnani Devi E	UGC sponsored short term course in Research Methodology in Sanskrit, Sree Sankaracharya University, Kalady	03-04-2019 to 09-04-2019
Jayesh Antony	Two week workshop on Research Methodology, M.G. University, Kottayam	03-12-2018 to 17-12-2018
Raj Mathew	Two week workshop on Research Methodology, M.G. University, Kottayam	03-12-2018 to 17-12-2018
Thomas V Mathew	Two Week Workshop on Research Methodology, College Development council, Mahatma Gandhi University, Kottayam	03-12-2018 to 17-12-2018
Tinchu P. James	Two Week Workshop on Research Methodology, College Development council, Mahatma Gandhi University, Kottayam	03-12-2018 to 17-12-2018
Tinjumol Mathew	Two Week Workshop on Research Methodology, College Development council, Mahatma Gandhi University, Kottayam	03-12-2018 to 17-12-2018
Tony Joseph	Two Week Workshop on Research Methodology, College Development council, Mahatma Gandhi University, Kottayam	03-12-2018 to 17-12-2018
Joby Mathew	Refresher Course English Language and Modern Literature, Human Resource Development Centre, Kariavattom Campus, University of Kerala.	05-10-2018 to 26-10-2018
Manesh Varghese John	National Workshop in Interdisciplinary Research Methodology, Sree Sankaracharya University of Sanskrit, Kalady.	06-05-2019 to 20-05-2019
Prince Mon Jose	Two week national workshop in interdisciplinary research methodology, Research and Development cell, S.S.University, Kalady	06-05-2019 to 20-05-2019
Sijo Mathew	UGC Sponsored Refresher Course in Social Work & Social Development in the Era of Post Modernization	10-12-2018 to 31-12-2018
Tinchu P. James	Faculty development programme entitled Induction Training Programme in Social Sciences for College Teachers from Kerala, Institute for Social and Economic change, Bengaluru	11-02-2019 to 20-02-2019
Binoy Chacko	Faculty Developmet Programme	12-02-2017 to 11-02-2019
Suvarnani Devi E	UGC Sponsored Refresher Course in Sanskrit, Sree Sankaracharya University, Kalady	12-11-2018 to 02-12-2018
Biju K C	Workshop on Teaching Econometrics at Undergraduate Level, Centre for Budget Studies, CUSAT, Kerala	14-03-2019 to 20-03-2019
Deemat C Mathew	UGC Sponsored Orientation Programme XXXVII, UGC-HRDC, Kannur University	14-11-2018 to 11-12-2018
Joben K Antony	Faculty Development Programme	16-06-2016 to 14-06-2018
Libin Kuriakose	Faculty Developmet Programme	16-08-2016 to 15-08-2018

Bobby Simon	UGC Sponsored Refresher Course in Commerce and Management, UGC-HRDC, University of Calicut	18-07-2018 to 07-08-2018
Tejil Thomas	Refresher Course in Commerce and Management, UGC-HRDC, University of Calicut	18-07-2018 to 07-08-2018
Joji Jacob	UGC Sponsored Refresher Course - Summer School(Multidisciplinary), UGC-HRDC, University of Kerala	23-07-2018 to 13-08-2018
Anish Cyriac	UGC Sponsored Refresher Course in Hindi, UGC-HRDC, University of Calicut	30-10-2018 to 19-11-2018

Teachers in the Board of Studies/Academic Council

Name of the Teacher	Name of the Body
Dr. P J Benny	Chairman, UG Board of Studies in Zoology, Mahatma Gandhi University, Kottayam
Sri. Paul V Karanthanam	External Member, PG BoS, Maharajas College, Eranakulam
Dr. Tejil Thomas	Member, Academic Council in Commerce, St. Joseph's College, Devagiri(Autonomous)
Sri. Tommy Thomas	Member, Academic Council, Assumption College, Changanassery(Autonomous)
Sri. Jogy Alex	Member, Academic Council, Sacred Heart College, Thevara(Autonomous)
Sri. Paul V Karanthanam	Member, Academic Council, St. Albert's College, Eranakulam(Autonomous)
Sri. Paul V Karanthanam	Member, Board of Studies in Boatny, Sacred Heart College, Thevara(Autonomous)
Dr. Jomy Augustine	Member, Board of Studies in Botany, Fatima Mata National College, Kollam(Autonomous)
Dr. Jomy Augustine	Member, Board of Studies in Botany, St. Albert's College, Eranakulam(Autonomous)
Sunil C Mathew	Member, Board of Studies in Statistics, CMS College Kottayam(Autonomous)
Sunil C Mathew	Member, Board of Studies in Mathematics, Assumption College, Changanassery(Autonomous)
Sri. Jogy Alex	Member, Board of Studies in Chemistry, University of Kerala, Thiruvananthapuram
Dr. Thomas Scaria	Member, Board of Studies in Malayalam, St. Joseph's College, Irinjalakuda(Autonomous)
Dr. K M Kurian	Member, Board of Studies in Mathematics, Assumption College, Changanassery(Autonomous)
Dr. Ison V Vanchipurackal	Member, Board of Studies in Physics, Sacred Heart College, Thevara(Autonomous)
Dr. Stany Thomas	Member, Board of Studies in Political Science, Fatima Mata National College, Kollam(Autonomous)

Dr. Deemat C Mathew	Member, Board of Studies in Statistics, Fatima Mata National College, Kollam(Autonomous)
Dr. Alex Thannipara	Member, Board of Studies in Statistics, Fatima Mata National College, Kollam(Autonomous)
Dr. K K Jose	Member, Curriculum Design and Development, M.Sc Biostatistics, Mahatma Gandhi University, Kottayam
Ms. Rose Maria Jose	Member, Curriculum Design and Development, M.Sc Biostatistics, Mahatma Gandhi University, Kottayam
Ms. Meenu Tom	Member, Curriculum Design and Development, M.Sc Biostatistics, Mahatma Gandhi University, Kottayam
Mr. Noel George	Member, Curriculum Design and Development, M.Sc Biostatistics, Mahatma Gandhi University, Kottayam
Sri. Paul V Karanthanam	Member, Curriculum/ Syllabus restructuring in Boatny(PG), Mahatma Gandhi University, Kottayam
Sri. Joben K Antony	Member, Curriculum/ Syllabus restructuring in Economics(PG), Mahatma Gandhi University, Kottayam
Dr. Biju K C	Member, Curriculum/Syllabus restructuring in Economics(PG), Mahatma Gandhi University, Kottayam
Sri. Augustine J Edakkara	Member, Curriculum/Syllabus restructuring in Physics(PG), Mahatma Gandhi University, Kottayam
Sri. Libin Kuriakose	Member, Curriculum/Syllabus restructuring in Physics(PG), Mahatma Gandhi University, Kottayam
Dr. Sunny Kuriakose	Member, Faculty of Science, Mahatma Gandhi University, Kottayam
Sri. Libin Kuriakose	Member, Faculty of Technology and Applied Sciences, Mahatma Gandhi University, Kottayam
Sri. Paul V Karanthanam	Member, PG Board of Studies in Botany, Mahatma Gandhi University, Kottayam
Dr. Sunny Kuriakose	Member, PG Board of Studies in Chemistry, Mahatma Gandhi University, Kottayam
Sri. Alen Zacharia	Member, PG Board of Studies in Economics, Mahatma Gandhi University, Kottayam
Sri. Tommy Thomas	Member, PG Board of Studies in Mathematics, Mahatma Gandhi University, Kottayam
Dr. George Varghese	Member, PG Board of Studies in Political Science, Mahatma Gandhi University, Kottayam
Kum. Tinchu P James	Member, PG Board of Studies in Political Science, Mahatma Gandhi University, Kottayam
Dr. Benny Kurian	Member, PG Board of Studies in Statistics, Mahatma Gandhi University, Kottayam
Sri. Joji Jacob	Member, UG Board of Studies in Economics, Mahatma Gandhi University, Kottayam
Sri. Libin Kuriakose	Member, UG Board of Studies in Physics, Mahatma Gandhi University, Kottayam
Dr. Jomy Augustine	Member, University Research Committee, Mahatma Gandhi University, Kottayam
Sri. Tommy Thomas	Subject expert in Mathematics, Mahatma Gandhi University, Kottayam
Dr. P J Benny	Subject expert in Zoology, Mahatma Gandhi University, Kottayam

Collaborative quality initiatives with other institution(s)

- **Loyola College, Chennai**, Collaborative Research resulted in the paper entitled "*Transparent ZnO–PVA binary composite for UV-A photo detector: optical, electrical and thermal properties followed by laser induced fluorescence*" published in *J Mater Sci: Mater Electron* (2017) 28:7190–7203
- **Raman Research Institute, Bangalore , and School of Mathematics and Natural Sciences, Carl von Ossietzky University Germany**, Collaborative Research resulted in the paper entitled "*Influence of MnCl₂ on the properties of an amino acid complex single crystal L-arginine perchlorate (LAPCI) for optical limiter application*" published in *Journal of Materials Science: Materials in Electronics*, (<https://doi.org/10.1007/s10854-019-01158-7>)
- **NSS Hindu College Changanacherry, Kottayam**, Collaborative Research resulted in the paper entitled "*Photoinduced electron transfer in novel CdSe-Cu₂Se type II core-shell quantum dots*" published in *RSC Advances*,9, 15092
- **NSS Hindu College Changanacherry, Kottayam**, Collaborative Research resulted in the paper entitled "*CuInS₂-In₂Se₃ quantum dots - a novel material via Green synthesis approach*" published in *RSC Advances*, 8, 37146.
- **Loyola Institute of Frontier Energy, Loyola College Chennai**, Collaborative Research resulted in the paper entitled "*Investigation of structural, optical and electrical properties of transition metal oxide semiconductor CdO-ZnO nanocomposite and its effective role in the removal of water contaminants*" published in *Journal of Physics and Chemistry of Solids*, 126, 2018.
- **P D and Research Department of EFLU University, Hyderabad**, Cultural Exchange by II MA Hindi Students
- **Mahatma Gandhi University, Kottayam & ICAI Ernakulum Branch**, One day intercollegiate Seminar on GST
- **Hedge Equities**, One day Seminar on Futures trading
- **M. H. R. D, Govt. of India**, Household Base lane Survey for UBA
- **St. Joseph’s College of Engineering and Technology, Choondachery, Pala**, Lecture on Motivation and Career Opportunities
- **Krishi Bhavan Kidangoor, Department of Agriculture, Kerala**; Capacity building Training – On farm VAM production

Pass Percentage of final year Students

Program Name	Program Code	Number of students appeared	Number of students passed
BA English Language & Literature	BAEN	31	23
BA Malayalam Language & Literature	BAMA	32	16
BSc Mathematics	BSMA	30	23
BSc Physics	BSPH	45	42

BSc Chemistry	BSCH	39	30
BSc Botany	BSBO	38	25
BSc Zoology	BSZO	38	21
BSc Recreation Leisure & Sports Studies	BSRE	22	17
BA Economics	BAEC	51	40
BA History (Archaeology and Museology)	BAHI	24	15
BA Political Science	BAPS	42	20
BA English Literature and Communication Studies	BACE	30	21
BCA	BCAC	44	33
BCom (Finance and Taxation)	BCFT	55	51
BCom (Computer Applications)	BCCA	56	52
BVoc Food Processing Technology	BVFP	43	31
BVoc Sustainable Agriculture	BVSA	43	31
MA English	MAEN	25	24
MA Malayalam	MAMA	15	14
MA Hindi	MAHN	18	14
MSc Mathematics	MSMA	12	12
MSc Statistics	MSST	9	7
MSc Physics	MSPH	18	12
MSc Chemistry	MSCH	20	18
MSc Botany	MSBO	12	9
MSc Biostatistics	MSBS	24	24
MSc Applied Microbiology	MSAM	24	24
MSc Biotechnology	MSBT	17	13
MA Economics	MAEC	24	21
MA History	MAHI	16	15
MA Political Science	MAPS	23	22
MCom	MCOM	17	14
Total		937	734

SOCIO-CULTURAL ACTIVITIES

ATMOS 2K19 – Infotainment Fest

The Chemistry Association organized an All Kerala Infotainment Fest for college students on 1st February 2019, ATMOS2k19 in the campus. The inaugural function was presided over by Dr. Sunny Kuriakose, Head of the Department and was inaugurated by the Principal Rev. Dr. James John.

After inauguration 6 events were conducted at various stages under the guidance of the teachers and students of the department. More than 200 students from various Colleges of

Kerala, MG and Calicut Universities, KTU etc have participated in the programme.

The concluding ceremony was presided over by Dr. James John, Principal of the College. The chief guest of the programme was Rev. Dr. Sr. Gigimol M.G, Principal, Alphonsa College Palai. Prizes worth more than 40000 were distributed to the winners. Various cultural programmes were staged during the free time. The cultural items were performed by the students of the Department.

17th All Kerala Prof. K. Ramakrishnapillai Memorial problem solving contest

17th All Kerala Prof. K. Ramakrishnapillai Memorial problem solving contest was organized by the department of Statistics on 6th Feb 2019, Miss Sunitha Bhasker, ISS distributed the prizes to the Winners.

All Kerala Project Presentation Competition

Department of Botany conducted an All Kerala MSc Botany Project Presentation competition on 8-9-2018 at the Tisserent Hall. This programme was in association with Kerala Botanical Society. More than 200 students of MSc Botany, from entire Kerala participated in the competition. Dr. James John Mangalath inaugurated the competition and Prof. Valsala Kumar, former head of the Department of Botany, Kerala University and Dr. Thomas Mathew, former Principal, UC College, Aluva distributed the awards.

Eco-fiesta 2019

Eco-fiesta 2019 - An All Kerala Inter-collegiate Economics Fest - was organized by the Economic association of the College on 15 February 2019. Rev. Dr. James John Mangalathu inaugurated the fest. The coordinator of the programme, Prof. Joji Jacob felicitated the gathering. The main events conducted were quiz, debate, treasure hunt, photography, thrice football etc. Around 220 students from various colleges in Kerala participated in the events. The teams from the University of Kerala and Alphonsa College, Palai won the prizes for debate and treasure hunt competitions respectively. Dr. Sunny Kuriakose, Vice-Principal, distributed trophies, cash prizes and certificates to the winners.

METAMORPHOSIS 2K19 - ZOOLOGY FEST

The students of Zoology department organized an inter-collegiate fest - Metamorphosis 2K19 on 12th February 2019. Museum expo- exhibition of rare zoological specimens in the Zoology museum, Dog show with more than 20 breeds, various competitions for students from different colleges were organized. Rev. Dr. James John, Principal, St. Thomas College Palai inaugurated the exhibition. Prof. Baby Augustine former Head, Department of Zoology St. Thomas College Palai inaugurated the competitions. Dr. Benny P. J., Head, Department of Zoology gave away the prizes.

JOURNLIT 2K18

The Department of Communicative English, St. Thomas College Pala conducted an intercollegiate Media Fest on 8 and 9 August 2018. The programme was inaugurated by Rev. Dr. James John Mangalath, Principal STC. 150 students from various colleges participated.

TECTERRAIN 2.0

Tecterrain 2.0, an Inter-Collegiate IT Fest was conducted by Department of Computer Applications on 8 & 9 August 2018. 300 students from various colleges participated.

VARTTIKA 2K18

‘Varttika 2K18’, the Inter-Collegiate Commerce and Management Fest was organised by the Department of Commerce (Self Financing) on the 9th & 10th of August 2018. Around 400 students from various colleges participated.

Mathew T. Matheikal Inter Collegiate Mathematics Quiz

An Intercollegiate Mathematics Quiz Competition was conducted in the honor of Prof. Mathew T. Matheikal, former HOD Mathematics and Vice Principal of the college, on 14-02-2019. Quiz Master was Prof. Linet Roselin Antony, Assistant Professor, S. H College, Chalakudy. Prof. Tommy Thomas coordinated the event.

Ozone Day Celebrations

As part of the Ozone day celebration, Chemistry Association conducted painting competition on 17 October 2018. Of the 50 students participated, Amal Raj (II DC Chemistry) got Ist prize of Rs.1000 and Goutham Krishna (II Dc Zoology) got IInd prize of Rs.500. The prizes were distributed by Dr.G.D. Gem Mathew (Associate Professor, Department of Chemistry). A talk on Environmental Pollution for the students of Chemistry department was also conducted, which was delivered by Dr. Jose K Xavier, Associate Professor, Department of Chemistry.

“Sastrapadham” Science Magazine

Six issues of Sastrapadham, the popular science magazine in Malayalam for school children, were brought out under the initiative of the teachers of the College. They are July 2018 issue on ‘Marine Algae’ by Dr. Jomy Augustine (Dept. of Botany), August 2018 issue on ‘Better Data, Better Lives’ by Dr. K. K. Jose (Dept. of Biostatistics), September 2018 issue on ‘Biomolecules’ by Dr. Sunny Kuriakose (Dept. of Chemistry), November 2018 issue on ‘Dams of Kerala’ by Dr. Ison V. Vanchipurackal (Dept. of Physics), December 2018 issue on ‘Geometry’ by Dr. Sunil C. Mathew (Dept. of Mathematics) and March 2019 issue on ‘Science@2018’ by Dr. G. D. Gem Mathew (Dept. of Chemistry).

All Kerala Inter Collegiate Guard of Honour Competition

All Kerala Inter Collegiate Guard of Honour Competition was held at St. Thomas College, Pala. The first prize was secured by the Guard Team of Newman College Thodupuzha. The second and third prizes were won by the Govt. Poly Technic Muttam and St. Stephens College, Uzhavoor respectively. Weapon Exhibition, Still Model Competition, War Demo and Alumni Meeting were also part of the programme

Inter Collegiate Patriotic Song Competition

An inter collegiate Patriotic Song Competition was organized by the Dept. of Hindi, St. Thomas College, Pala on 25th January 2018. Prize for the winners were distributed by Mar Jacob Murickan in the presence of the College Principal, Vice- principal, Department Head and the student coordinates.

SPORTS PROFILE

Outstanding Performance of St Thomas College Volleyball Team

Volleyball Team of St. Thomas College became champions consecutively for third year in a row at the Mahatma Gandhi University intercollegiate inter zone championship held at KE College Mannanam in the semifinal round robin league matches. In that competition 5 of our students were selected to represent the MGU volleyball team for the All India Inter University Volleyball Championship held at SRM University Chennai and Kanpur University, Kanpur. The students selected were - John baby IIIrd DC politics, Akshay IIIrd DC politics, Afsal P P IBS Sc Sports, Sujoy Dutta Ist History and Rithuraj IInd DC English. Sri. Ashish Joseph, Assistant Professor and Sri S Manoj also acted on the team Manager and Coach of Mahatma Gandhi University respectively.

Inter-zone Badminton Championship Runners Up

In the inter zone competition St Thomas College for the first time in its history, stood Runners Up in the Mahatma Gandhi University Inter Collegiate Competition held at Bharat Matha College, Trikkakara. Anuraj, Alex B Mathew, Amal krishna, Dennis, Vivin OV, Jobin Johny and Solomon were the team members of STC.

Mahatma Gandhi University South-zone Inter Collegiate Shuttle Badminton Championship

Mahatma Gandhi University south zone inter collegiate shuttle badminton championship was conducted by St. Thomas college Pala at the Indoor stadium on 22nd and 23rd September 2019. 23 colleges participated in the competition. Marian college kuttikkanam, St. Thomas College Palai, St. Dominic College Kajirappally, and SB College Changanassery finished first, second, third and fourth respectively and qualified for inter zone badminton championship.

Intercollegiate Yoga Championship Runners Up

The college men yoga team became the second Runner-up in Mahatma Gandhi University Intercollegiate yoga championship held at St. Teresa's College Ernakulum. The team members were Jose joseph 1st PG Statistics, Jimson biju 2nd DC sports, Romeyo Rejimon 2nd DC sports, Dennis Jose 2nd DC sports, Davis Thomas 2nd DC sports and Abin Jose 1st DC Economics. Jose Joseph also got selection to represent MGU in AIJU.

Performance of the College Teams During the Academic Year 2018-19

Competition	Event	Category	Venue of Competition	Position Secured
Mahatma Gandhi University Inter Collegiate Competition	Volleyball	Men	K E College Mannanam	Winner
	Badminton	Men	Bharat Matha College Trikkara	Runner Up
	Weight Lifting	Men	Newman College Thodupuzha	Runner Up
	Swimming	Men	MA College Kothamangalam	Runner Up
	Water Polo	Men	MA College Kothamangalam	Runner Up
	Yoga	Men	St Teresas Ernakulam	Third
	Tennis	Men	SPESS, Mahatma Gandhi University, Kottayam	Third
	Taekwondo	Men	MES College Marampally	Fourth
	Athletics	Men	Municipal Stadium Pala	Fourth
	Powerlifting	Men	SD College Kanjirapally	Fourth
	Football	Men	SB College Changanerry	Participation
	Cricket	Men	CMS College Kottayam	Participation
	Kabaddi	Men	Govt College Nattakom	Participation
	Table Tennis	Men	SJCPE Moolamattom	Participation
	Softball	Men	Catholicate College, Pathanamthitta	Participation
	Baseball	Men	CMS College, Kottayam	Participation
Cross Country	Men	MA College Kothamangalam	Fourth	
Wrestling	Men	Maharajas College Ernakulam	Participation	

CULTURAL PROFILE

College arts/cultural competitions

Purappadu (Exodus) the college arts/cultural competitions were held on 13th and 14th February 2019. Competitions were held on various stages and written events conducted at multiple venues on different dates. The winners of the events represented the college in the M G university youth festival.

University arts/cultural competitions - 2019

Our students participated in the Mahatma Gandhi University Youth Festival 'Alathalam 2019' from 28 February to 4 March 2019 held at Kottayam. 53 students participated in the Youth Festival and our college secured 8th position in the University level. The activities of the College Arts Club were carried out under the guidance and direction of the Arts Club Director Dr. Thomas V. Mathew. Kavyapriya B (II M.Sc. Physics) secured the first prize in Kuchipudi, the second prize in Bharatanatyam (female) and Cartooning. Ramdas K S (I M.A. History) bagged the first position in the event Bharatanatyam (male). Jishnu Rajesh (II B.Com.) secured the third position in Ottamthullal competition.

In literary items Freddy Francis (III B.A. English) secured the second prize in Essay Writing – English. Our quiz team got the second prize and Kolkali team won the fourth place. In musical events Ananthu Anilkumar (II B.Com.) got A grade in Classical Vocal Solo (male) and Light Vocal Solo – Indian (male), Minnu Elsa Jose (III B.A. Com. English) won 'A' Grade in Light Vocal Solo – Indian (female), S Ananthanarayanan got 'A' Grade in Kavithaparayanam and Krishnendu J secured 'A' Grade in Aksharaslokam. Sufiyan Ali secured 'A' grade in Elocution Malayalam.

Name of the Student	Class	Department	Item & Position
Kavyapriya B.	II MSc	Physics	1. Other forms of classical dances (Kuchipudi) – 1st (A grade) 2. Folk Dance (Individual) – 2nd (A Grade) 3. Cartooning - – 2nd (A Grade) 4. Bharattanatyam (Female) – A Grade 5. Keralanatanam – A Grade
Ramdas K S	I MA	History	Bharatanatyam (Male) –1st A Grade
Jishnu Rajesh	II BCom	Commerce(SF)	Ottamthullal – 3rd (A Grade)
Fredy Francis	III BA	English	Essay Writing – English – 2nd (A Grade)
Jayanth Hari	III BSc	Physics	Quiz – II Position
Ivin Siby George	II BA	Economics	
Maneesh T	II BA	English	
Donald Tom & Team		Kolkali – IV Position	
Sufiyan Ali	III BA	English	Elocution (Malayalam) – A Grade
Krishnendu J	I MSc	Statistics	Aksharaslokam – A Grade
Ananthu Anilkumar	II BCom	Commerce	1. Classical Vocal Solo (Male) -A Grade 2. Light Vocal Solo - Indian (Male) – A Grade
S Ananthanarayanan	II BA	Malayalam	Kavithaparayanam – A Grade
Minnu Elsa Jose	III BA	Com. English	Light Vocal Solo – Indian (F) – A Grade

Career Guidance and Counselling

Along with usual training and development programmes to the students, the Career and Placement Cell of the College was able to organize four campus placement drives during the academic year 2018-19.

- The South Indian Bank Ltd. visited the College for campus recruitment to the post of Probationary Clerk from the students passed out in 2018. An online assessment test, as the initial phase of the recruitment, was conducted on 08 June, 2018 and out of 130 students appeared for the test, 34 students were placed in different branches of the bank after the final selection process on 25 September, 2018. This seems to be the highest number among other colleges in Kerala visited by the bank during the year. A reception to the SIB Campus Drive winners was organized on 29 October 2018 at St. Joseph's Hall. A Victory Day was held on 9 November, 2018 to felicitate the winners. Mar Jacob Muricken, Auxiliary Bishop of Palai and Manager of the College showered his blessings upon the selected students during the programme presided over by the Principal, Rev. Dr. James John.
- The Federal Bank Ltd. also invited our undergraduate students who passed out in 2019 to participate in the recruitment process to the post of probationary clerk. Four students were selected and successfully placed in different branches of the bank in different cities in South India.
- Syngene International Ltd., a leading pharmaceutical research and development company located in Bangalore also visited our campus on 29 January, 2019 and two postgraduate students from the Department of Chemistry were selected to the post of research associates in the area of discovery chemistry.
- On 7 March, 2019, First Step Public School, Batlagundu, Tamilnadu visited the campus for recruiting our students to different teaching positions in the school and three of our vibrant students joined the school as teachers. Genpro Life Sciences India Pvt. Ltd. also conducted recruitment drive in the college for postgraduate students in biostatistics and one student was placed to the post of clinical SAS programmer on 23 March, 2019.
- A part from the above, students were trained for attending pooled recruitment drives organized at different colleges and institutions by Tata Consultancy Services Ltd., The Federal Bank Ltd., Deloitte, Yes Bank, ESAF Bank Ltd., AXIS Bank Ltd. etc. All the placements were backed by the support of eminent resource persons from within and outside the college. Teachers from different departments joined their hands together with coordinators of the Career and Placement Cell for imparting intensive training to the students. Dr. K.V. Thomas (Director, Career Studies Centre, St. Thomas College Pala), Mr. George Karunackan (Corporate Trainer), Mr. Nidhin Krishna (Talent Us HR Solutions Pvt. Ltd.) and Mr. Noble Varghese (Indian Institute of Arbitration and Mediation) were a few among the experts supported the students during the year.

EXTENSION AND OUTREACH PROGRAMMES

Cloth Collection for Flood Relief Camp at Ayarkunnam, Kottayam

The NSS volunteers collected cloths for the flood relief camp at Ayarkunnam on 20th July 2018. It was a joint venture of both the NSS unit and students of BSc Recreation Leisure and Sports Studies. The students volunteered to help the flood affected families who had

taken shelter at the flood relief camp at Government L P School Ayarkunnam. 38 families of a colony had to move out of their home due to the flood. Our students' whole heartedly came forward to do all possible help to the grieving families.

World Nature Conservation Day

As per the direction of UGC, the NSS unit of our college celebrated the International Yoga Day on 21st June 2018. The volunteers assembled at B3- 10 where they were introduced to Dettel James, a professional yoga instructor.

A half day seminar on 'My Waste My Responsibility' was organized by the National Service Scheme on the World Nature Conservation day on 8th August 2018 in the college auditorium at 2 pm. The seminar was inaugurated by Dr. James John Principal, St. Thomas College, Pala. Dr. V. Sunilkumar, State level resource person of Sujithwa Mission, Govt. of Kerala was the key speaker.

World Yoga Day

- As per the direction of UGC, the NSS unit of our college celebrated the International Yoga Day on 21st June 2018. The volunteers assembled at B3-10 where they were introduced to Dettel James, a professional yoga instructor.
- Yoga day celebration on 21st June 2018, 82 cadets participated in the International Yoga Day held at our college.

Chief Minister's Distress Relief Fund Collection

The NSS unit of our college collected an amount of Forty thousand one hundred and seventy rupees (Rs.40170/-) for the Chief Minister's Distress Relief Fund. The NSS volunteers of our college collectively involved in the collection process held on 14th August 2018. An amount of twenty four thousand eight hundred (Rs.24800/-) was deposited in the account of the State NSS as demanded from the office and the rest of the money was deposited in the Chief Minister's Distress Relief Fund account on 23rd August 2018.

Clean Pala Project

Clean Pala project was a joint venture of several social and governmental bodies and aims at reducing the plastic waste in the city. A meeting was organized at the headquarters of the Municipality and it was presided over by Celine Roy, the Municipal Chairperson. A talk on the need of pollution prevention and waste management was given by Mathew Pullukalayil, the director of Pala Social Welfare Society.

Collection Centre for Flood Relief Camp

- The NSS unit of our college opened a collection center of food, clothes and other materials for the people in the flood affected area and several relief camps in Kottayam, Idukki, Alappuzha and Ernakulam districts. The main sponsors of relief items were the member of the Integrated Sports Complex St. Thomas College, Pala, Staff members of St. Thomas College, Pala and members of St. Thomas College alumni association (PASTCOS, Kuwait Chapter).

- Flood Relief Operations in collaboration with Navy seals Pandanad were organized by the unit. Flood relief Materials were distributed among the affected people.

Book Collection Campaign ‘KuttikkuoruKutti’ (student for a student)

A campaign named KuttikkuoruKutti(student for a student) was designed and propagated by the office of district collector, Kottayam. It was aimed at collecting a book by donation from a student to someone who had lost his/her book during the flood. As instructed by the district collector, the NSS unit of our college organized a book collection campaign in the campus on 3rd September 2018. The collected books (1197) were classified and handed over to Tahasildar, Meenchil Village on 6th September 2018.

Drive a Thon

Kerala State Youth Welfare Board had organized a campaign named ‘Drive a Thon’ to seek volunteers across Kerala to form Kerala voluntary youth action force. The inauguration of the campaign in Kottayam district was held at Jimmy George Stadium of St. Thomas College, Pala on 12th December 2018. It was organized by the District Youth Centre, Kottayam in collaboration with the NSS unit. A flash-mob and folksongs were performed for the promotion of the campaign.

Observance of Anti - Narcotic Day 2018 & Anti - Narcotic Awareness

In connection with the observance of the Anti- Narcotic Day 2018 Anti-Narcotic Club of the College organized an anti-narcotic awareness programme at Tisserant Hall on 26 June 2018. The programme was inaugurated by Sri. T. M. Maju, Circle Inspector of Excise, Pala. Introductory remarks were given by Prof. Thankachan Augustine, Teacher in charge. Prof. Sojan Pullattu delivered the words of welcome. The programme was presided over by the College Principal Rev. Dr. James John Mangalath. Sri. Rahul Soy, the student coordinator proposed vote of thanks.

Awareness Programme on Swachatha hi Sewa

Awareness Programme on Swachatha hi sewa was organized at unit level. Battalion Level selection for RDC was conducted in Aug 2018. Swachatha Abhiyan (Cleaning Mission) road cleaning was conducted on 2nd October 2018 and this was inaugurated by H.E Mar Jacob Murickan , Auxiliary Bishop and the manager of St.Thomas college Palai.

Photo Exhibition

The department of Botany conducted photo exhibitions on the flora of Kerala at various colleges and national and international events as follows:

1. MES Feroke College, Kozhikkode on 15-12-2018
2. Zamoorin Guruvayoorappan College, Kozhikkode 20- 12-2018
3. Biodiversity Congress at Govt. Brennan College, Thalassery on 26-01-2019
4. SN College, Cherthalla, on 9-2-2019
5. FMN College, Kollam on 14-2-2019.

Assessment of the Impact of flood-2018 and landslide on river Periyar

Kerala State Biodiversity Board and Centre for Environment and Development, Government of Kerala. The students of II MSc Botany and III BSc Botany are participated in the event. The survey started at December 1 2018 to February 28, 2019. A distance of more than 100 km along the banks of Periyar River was surveyed by the team of 22 students of the department. Data regarding the magnitude of landslide occurred amount of soil erosion happened and landfill happened by the soil deposit were collected. An amount of Rs. 1,35,000 was allotted by the Kerala State Biodiversity Board for the study.

UBA Village Survey

As Part of Unnat Bharat Abhiyan (UBA) Baseline Household Survey, students of St. Thomas College, Pala, Conducted survey in eight villages in the premises of the college with the support of the Village Offices and the elected Ward Members.

Students visited more than 800 households and collected data on many aspects of the life of the family members and their property, their needs and scope for development and uplift. The students were very active and sincere in the work assigned to them. Students took part in the first phase of the programme, i.e., collecting data and students worked for uploading the data in the Govt. Portal. Dr. Ratheesh M was the Co-ordinator of the programme. The students were guided by the teachers of the respective Departments. Students said it was a good experience for them though it was tiring. They said they learnt many things from the programme. The Programme was introduced by the IQAC of St. Thomas College, Palai. This was done as part of our social commitment and feeling of unity and adherence to basic human values.

Name of the Village	Department	Number of teachers participated	Number of students participated	Duration	No. of Houses Visited
Elackad Village	Department of Economics	5	115	10.01.2019 to 17.01.2019	404
Kidangoor Village	Department of Political Science	4	48	10.01.2019 to 17.01.2019	502
Puliyannoor Village	Department of English	5	52	10.01.2019 to 17.01.2019	661
Lalam Village	Departments of History and Malayalam	8	104	10.01.2019 to 17.01.2019	356
Vallichira Village	Department of Commerece	6	55	10.01.2019 to 17.01.2019	546

One Day Orientation Programme

The students of BCM College, Kottayam visited our sports complex for a one day orientation programme for the sports infrastructure facilities and also participated in various adventures activities like Rappelling, River Crossing, Bruma Bridge, Rock Climbing etc

conducted by the students of BSc Recreation Leisure and Sports Studies . 40 female students under the guidance of Prof. Rajesh P.C and Prof Luke Leon Kurian participated in the activities.

Consultancy Services

The Department offered consultancy services to the students of B.Sc. Clinical Nutrition and Dietetics of Alphonsa College Palai in the Planning and Data Analysis of their project work during November 2018. Mr.Noel George served as the resource person in the Workshop on Biostatistics for Medical Research, held at Govt. Medical College, Alappuzha during 1-2 March 2019. Our students Arjun, Jithin, Jophil, Josemon, Sanoop and Sarath served as assistant instructors in the practical sessions along with our faculty member Mr.Noel George.

ALUMNI ACTIVITIES

Alumni Day

The Alumni Day was celebrated on 5th October 2018 by distributing Bishop Mar. Sebastian Vayalil Award to T.K Jose IAS and George Thomas Kottukapilly Award for the best businessman to Sri. John Kuriakose (Director Dent Care Dental Lab Pvt Ltd) respectively. Sri. Tom Jose IAS, Chief Secretary, Kerala Govt. and T.K Jose IAS, were the guests of the programme. A total of 750 members including the alumni, students and other well wishers attended the programme. The alumni Executive Members donated Rs 36000/- towards the construction of the new block in our college. Rs.33333 was sponsored by the College Alumni and Rs.100000 was sponsored by the Kottukappilly trust for the same.

Scholarship Distribution

Indian Jeevakarunya Charitable trust Scholarship for the students of Economics and Commerce was distributed on 7th August 2018 by former College Principal Dr. Joy George. 15 students were given awards amounting to a total of Rs 30000/-. On 16th May 2019 PASTCOS – St. Thomas College Alumni Association, Kuwait Chapter also distributed its scholarship of Rs 5000/- . Sri. Sabu Thomas, Secretary, PASTCOS, Alumni Association, Kuwait Chapter was the chief guest of the function. On the same occasion, Dr.S Rajashegaran award for House Building Fund was also given to Miss Abhirami, our student for the renovation of her damaged house. Sri. Jobins John, Secretary PASTCOS, distributed Rs.101000 among 11 flood affected students as part of the Flood Relief Activities on 28th October 2018.

Talent Hunt

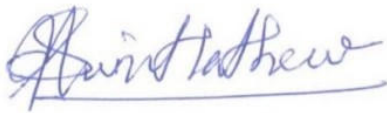
A writing competition for the students of St. Thomas College was organized by the Alumni Association on 6th February 2018 and the first, second and third prizes were secured by Jithu. K.Jose, Nithin Raju, Stefy Tom and Amal V.G respectively. An Inter Collegiate Quiz Competition was organized by the Alumni Association on 13th December 2018 and the first prize Rs.5000 along with the Menamparambil Pappachan Memorial Trophy was secured by St. George College Aruvithura, the Second prize of Rs.3000 with M.A Zacharias Mannakunnel trophy was received by St. Thomas College, Palai and the Third prize of Rs 2000 with John Nechikattu Trophy was won by Sree Sankara Kalady

Interaction with Alumni

Alumni Association of Department of Biostatistics is very active and occasionally shares their experiences in the industry. On 30-11- 2018, the Biostatistics Association organized an interaction of M.Sc. students with our alumni namely, Ms. Anagha Menon & Mr. Aswin R. of Quintiles Pvt Ltd Bangalore and Ms. Aneena M.S. of NIMHANS, Bangalore. It was very enriching to the students for getting an overall picture of Biostatistical works in Pharma Companies and Clinical Research. They also discussed on the skills expected from a biostatistician for appointment in MNCs.

Name: Dr. Sunil C Mathew

Name: Rev. Dr. James John



Signature of the Coordinator, IQAC



Signature of the Chairperson, IQAC
(Principal)

Palai

