

SACRED HEART COLLEGE THEVARA



SACRED
HEART
COLLEGE
Autonomous



IQAC ANNUAL REPORT 2018-2019



PLATINUM JUBILEE YEAR OF THE COLLEGE

INTERNAL QUALITY ASSURANCE CELL

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

VISION STATEMENT

The Internal Quality Assurance Cell (IQAC) of Sacred Heart College, Thevara addresses and monitors the quality parameters of the college and ensures that the standards of excellence reflected in the vision and mission of the college are met and sustained.

MISSION STATEMENT

*To ensure and sustain quality, integrity and output.
Cultivate, enhance and disseminate knowledge by facilitating the required resources in time to excel in academic and professional pursuits.*

OBJECTIVES AND FUNCTIONS OF IQAC

- *Coordinate quality-related activities by developing an organized methodology of documentation and internal communication.*
- *Integrating the activities of the College to ensure adoption and dissemination of good practices.*
- *Spearheading the conduct of internal and external Academic Audits of departments to promote quality, accountability and transparency.*
- *Creating and maintaining a system of feedback on processes and policies of the College from stakeholders.*
- *Initiating and coordinating the process of restructuring the syllabus to create a progressive curriculum that is in tune with the demands of the time.*
- *Preparing the Annual Quality Assurance Report (AQAR) as per NAAC guidelines.*

IQAC 2018-2019

NEW IQAC TEAM



Dr. K. M. JOHNSON
CO-ORDINATOR



Dr. GRACE THOMAS
JOINT CO-ORDINATOR



Dr. JEENU KURIEN
CONVENER



Dr. ROBY CHERIAN
JOINT CONVENER

Rev. Dr. Johnson X Palackappillil CMI, Principal
Rev. Dr. Jose John Thuravackal CMI, Vice-Principal
Dr. K. M. Johnson, IQAC Co-ordinator
Dr. Grace Thomas, IQAC Joint Co-ordinator
Dr. Jeenu Kurien, IQAC Convener
Dr. Roby Cherian, IQAC Joint Convener
Rev. Fr. Sebastian John CMI, Bursar
Dr. Giby Kuriakose, Department of Botany
Mr. Benny Varghese, Department of Sociology
Mr. Sibi K. I., Department of Sociology
Dr. Mathew George, Department of Physics
Ms. Ragaam P. M., Department of Zoology
Dr. Rajesh M., Department of English
Dr. Ramakrishnan S., Department of Chemistry
Dr. Joseph George, Department of Commerce
Dr. Regitha M. R., Department of Computer Science
Mr. Jobin C Tharian, Department of Zoology
Mr. Bijo N Mathew, Department of English
Ms. Shanthi Mathai, SH School of Communications
Ms. Sangeetha K. R., Department of Aquaculture
Mr. Biju V. V. , Librarian
Mr. Sreejith M. G., IQAC Program Officer
Mr. Ditto Mathew, College Student's Union Chairman

ANNUAL REPORT HIGHLIGHTS	
UG Programmes	14
PG Programmes	14
Ph.D. Programmes	06
UG Students	1981
PG Students	397
Ph.D. Scholars	58
Teaching Staff	135
Non-teaching Staff	55
Teaching Staff with Ph.D.	47
STUDENT PROGRESSION	
Students qualified competitive exams like NET/GATE	68
Students got placement	53
FACULTY PUBLICATIONS	
Publications in National and International Journals	75
Books Published	17
FACULTY PARTICIPATION IN CONFERENCES AND SYMPOSIA	
Faculty Attended Seminars and Workshops	104
FACULTY PARTICIPATION IN REFRESHER COURSES, ORIENTATION COURSES AND SHORT-TERM COURSES	
Refresher Courses	11
Orientation courses	5
Faculty Development Programmes	52
FACULTY RESEARCH PROJECTS AWARDED	
Major	2
Minor	0
IQAC QUALITY INITIATIVES	
Induction Programme for Newly recruited Teachers	12-18 July 2018
Orientation Programme for UG Students	09 June 2018
Orientation Programme for PG Students	25 June 2018
Number of training programmes organized for teaching and non-teaching staff	14
Submission of AQAR Report for 2017-2018	31 January 2019

NATIONAL LEVEL RANKS FOR SACRED HEART COLLEGE

INDIA
TODAY

RANKING

Arts - 22
Science - 26
Commerce - 29



THE WEEK

RANKING

Arts - 41
Science - 27
Commerce - 28



NIRF RANKING - 2019

NIRF RANKING - 57



ADMINISTRATIVE AND ACADEMIC AUDIT 2018

The administrative and academic audit of Sacred Heart College (Autonomous), Thevara, Kochi was conducted from 19 – 21 December 2018.

The team comprised:

1. **Dr. Sr. Annamma Philip FMM**, Secretary General, Xavier Board of Higher Education in India & Former Principal, Stella Maris College, Chennai.
2. **Dr. Fr. Joseph Xavier**, former Principal, Loyola College (Autonomous), Chennai and former President, XBHEI.
3. **Dr. D Jeevan Kumar**, former Prof of Political Science, University of Bangalore and currently Hon. Professor at Karnataka State Rural Development and Panchayat Raj University, Gadag, Karnataka.
4. **Dr. Ms Ordetta Mendoza**, Member, BHAI and former Head, Dept. of Bioinformatics, Stella Maris College (Autonomous), Chennai, and Co-ordinator, Xavier Board- Administrative & Academic Audit (XB-AA Audit).



Prior to the visit, the college completed and submitted the audit manual developed and deployed by Xavier Board of Higher Education In India. The Academic Audit team visited the various offices, departments and facilities and interacted with the faculty and staff. The team members also interacted with the members of the Governing body, Management committee, administrative and supporting staff, students, alumnae and parents.

The team made note of the enormous strides made by the college in the field of higher education since its inception 1944 and congratulated the management, principal, faculty and staff of the institution on its achievements.

PLANNING SESSIONS AT RAJAGIRI COLLEGE LED BY IQAC

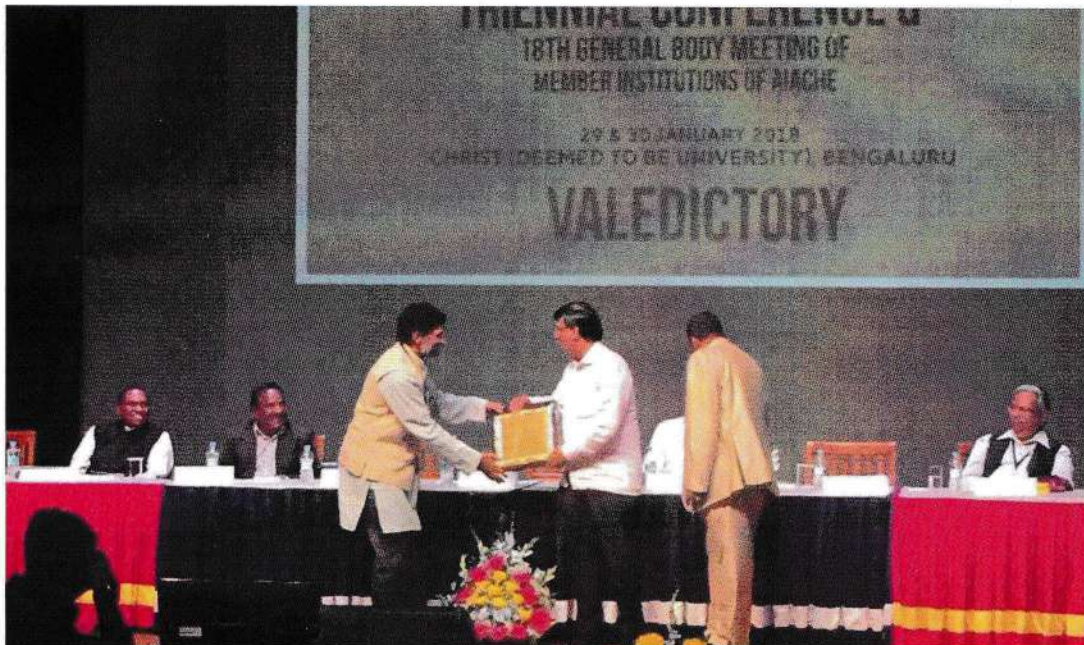
The College IQAC was reconstituted with Dr. K. M. Johnson as Co-ordinator, Dr. Grace Thomas as Joint Co-ordinator, Dr. Jeenu Kurian as Convener and Dr. Roby Cherian as Joint-convener. Activity of IQAC started with a two-day planning session held at Rajagiri College, Rajagiri Valley, Kakkanadu. The planning sessions were held during 02-03 July 2018.

Revised criteria of NAAC accreditation process were discussed in the planning sessions. Members from all different participated in the sessions.



BEST PRINCIPAL AWARD

Principal Rev. Dr. Johnson X Palackappillil CMI won the Best Principal award instituted by AIACHE, New Delhi. Fr Principal received the Best Principal award from Sri Reddy Minister for higher education, Karnataka during AIACHE Triennial conference, Christ university, Bangalore on 30th Jan 2018.



BIODIVERSITY AWARD

SH College secured Biodiversity Award instituted by Kerala Biodiversity Board. Fr. Principal received the award on Environment day in a function held at Thiruvananthapuram.



FACULTY ACHIEVEMENTS

- Dr Jorphin Joseph went to Paris to attend an international summer school and also delivered a talk in University of Rennes, France.
- Ms Shoba Liza John attended a two weeks training in University of Nantes, France under the BELC Scholarship sponsored by French Institute in India and the French Embassy.
- Directorate of Environment and Climate Change (DOECC) sanctioned project grant of Rs. 24 lakhs with Mr. Midhun Dominic C D as Co-investigator.
- Dr. Sumod S.G is Co-investigator, DST FIST, SH College, Amount Sanctioned : 1.1 Crore.

HIGHLIGHTS OF DEPARTMENT LEVEL ACTIVITIES

- All department fests were conducted under the event **Jumboree**.
- As part of the Platinum Jubilee Celebrations of the college, an International Symposium on **New Trends in Applied Chemistry** was organized by the Department of Chemistry during January 14th and 15th 2019.
- Nobel Laureate in Chemistry Prof. Robert H Grubbs delivered the Nobel Lecture. As part of Ozone Day Celebration, a seminar on "Flood or Drought? How the Ozone Layer is Our saviour?" conducted by Centre for Environmental studies, Sacred Heart College. Department of computer science a seminar on cloud computing for final year BCA students on 20-07-2018 and conducted a seminar on IoT for 2nd year and 3rd year BCA students on 30-07-2018.
- Department of Economics of the college in association with Kerala Economic Association organized a panel discussion on Autonomy of RBI on 15-01-2019.
- Dr. Dan Thottakkara Seminar and Subhi Memorial Regional Seminar was organised by the department of English. Rev. Fr. Abraham Kallarakal Memorial National Seminar was organized by the department on 11/02/2019 by the Department of Sociology.
- Department of Commerce organised a 3 day National Work on Statistical Analysis in Social Science Research by **Dr. R. Kasilingam**, Associate Professor, Department of Management Studies, and Pondicherry University from 6th December, 2018 to 8th December, 2018.
- The department of Botany has **completed a coveted extension programme** funded by San Diego County Orchid Society (SDCOS), California, USA- "Restoration of orchids in human transformed landscapes involving local community and schools in Wayanadu district, Kerala". An official Documentary on the programme entitled "Conservation of orchids in Wayanad" was officially launched on 17th January, 2019.

CLUBS & FORA ACTIVITIES – ACHIEVEMENTS – HIGHLIGHTS

- **Youth Red Cross** division, Ernakulam district organized a one day seminar for the students of colleges in the Ernakulam district at Sacred Heart College on 25th January 2019. Around 147 Red Cross Volunteers from 16 colleges participated.
- **Tourism club** celebrated "Heritage Week Nov 2018", which exhibited various cultural programmes, which also included Cycle rally and Food fest.
- Major activities of the **Bhoomithrasena club** includes - Nature camp at Parambikulam Tiger Reserve, Gift Tilapia farming (support of CMFRI), Environment Day, Wetlands Day, water day, forest day celebrations, Chekkutty doll making, Training on bag making at KIDS. Total fund obtained from KSCSTE and DOECC is 1 lakh 35 thousand.
- **Jesus Youth** - A Christmas get together of "ThanalMaram" - "Christmas Snehasamgamam - 2018" was held on 19th December evening during which Christmas gifts were exchanged to around 120 homeless people of the city. A three day camp-"Soulstice 2018" was organized on November 23-25 at the college auditorium participated by 110 students.

Extension Projects

- **HEAL** - A cancer awareness program was organised on 4th February 2019 in collaboration with Cancure foundation, Kochi.
- **Rice paddy** - Over 350 students were taken to Arayankavu paddy field for cultivation and harvested rice. It was later processed into different products and was sold in the Heartian Harvest.
- **Vegetable Garden** - On 28th November 2018, Nature club in collaboration with Bhoomithrasena club established a vegetable garden near the lake view ground.
- **Organic Farming** - Organic Kerala - We organised a 4 day organic fair in collaboration with Organic Kerala Charitable trust, Rajagiri college, St. Theresas college in Rajendra Madhani, Ernakulam
- **Age Friendly**- Every Wednesday and Thursday our student volunteers teach computer and English for 110 senior citizens
- **Mangrove Conservation**- As part of the MSc field study on mangrove ecosystem, the students and faculty of 2nd year MSc Environmental Science, visited Kannur Kandal Project site in Kunhimangalam, Kannur district and an extensive study on the physico-chemical and biological parameters of the mangrove ecosystem was carried out along with water and soil quality analysis. As part of Mangrove Day celebration, MSc Environmental Students visited the mangrove ecosystem near Nettoor railway station on 26th July, 2018. Students identified that the Mangrove ecosystem in this area is facing varying levels of pollution.

FACULTY PUBLICATIONS 2018-2019

Sl. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1	First new record of two diatoms (<i>Caloneis africana</i> (Giffen) Stidolph and <i>Luticola nivalis</i> (Ehrenberg) D. G. Mann) from South West Coast of India (Cochin backwaters)	Geo Joseph, Mannancheril Sebastian Francis	<i>Oceanologia</i>	2019	0078-3234
2	Transcriptional analysis and histochemistry reveal a dominant role for cell wall signaling in mediating <i>Pythium myriotylum</i> resistance in <i>Zingiber zerumbet</i>	Kiran Ayyanperumal Geetha, Sayuj Koyyappurath, Lesly Augustine , George Thomas	<i>Physiological and Molecular Plant Pathology</i>	2019	0885-5765
3	Transcriptome-based mining and expression profiling of <i>Pythium</i> responsive transcription factors in <i>Zingiber</i> sp.	Vishnu Sukumari Nath, Sayuj Koyyappurath, Teena Elizabeth Alex, Kiran Ayyanperumal Geetha, Lesly Augustine , Alka Nasser & George Thomas	<i>Functional & Integrative Genomics</i>	2019	1438-793X
4	Imidazole-Linked Crystalline Two-Dimensional Polymer with Ultrahigh Proton-Conductivity	Ranjeesh, KC; Ilathvalappil, R; Veer, SD; Peter, J; Wakchaure, VC; Goudappagouda; Raj, KV; Kurungot, S; Babu, SS	<i>J. Am. Chem. Soc.</i>	2019	0002-7863
5	Inhibitor of nonhomologous end joining (NHEJ): Implications in DNA double-strand break repair and cancer progression	John, F ; Pooppadi, S; George, J; Ray, U; Raghavan, S	<i>Abstr. Pap. Am. Chem. Soc.</i>	2019	0065-7727
6	An efficient protocol for the synthesis of thioethers via iron-catalyzed cross-coupling reaction and its mechanistic investigation	Sindhu, K. S., T. G. Abi , George Mathai, and Gopinathan Anilkumar.	<i>Polyhedron</i>	2019	0277-5387
7	Structural Dependence of Non-Linear Optical Properties of Molecules Containing Naphthalene Linked to Nitrophenyl Group—A DFT Study	Varghese, Anju Linda, Ignatious Abraham , and M. George.	<i>Asian Journal of Chemistry;</i>	2019	0970-7077
8	Protonation of curcumin triggers sequential double cyclization in the gas-phase: An electrospray mass spectrometry and DFT study	Cyriac, J ; Paulose, J; George, M; Srinivas, R; Giblin, D; Gross, ML	<i>Int. J. Mass Spectrom.</i>	2019	1387-3806
9	DFT Studies on Nonlinear Optical Properties of N-[(Naphthalen-5-yl)methyl]-4-Nitrobenzamine	Varghese, Anju Linda, Ignatious Abraham , and M. George.	<i>Materials Today: Proceedings</i>	2019	2214-7853
10	The interaction of N,N-dimethyl aniline with 2,3-dichloro-5,6-dicyano-1,4-benzoquinone (DDQ) - an experimental and DFT study	Linsha, PLM ; Moolayil, JT; Mathai, G	<i>Mater. Today-Proc.</i>	2019	2214-7853
11	A Study on the Antecedents of Mobile Banking Adoption with special reference to Kerala	Tessa Mary Jose	<i>Journal of Applied Science and Computations</i>	2019	1076-5131

FACULTY PUBLICATIONS 2018-2019

Sl. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
12	Crowdfunding: Concepts and Legal Implications	Dr. Sajoy P. B.	<i>International Journal of Basic and Applied Research</i>	2019	2249-3352
13	Ecopreneurship: A step towards going Green	Dr. Remya Ramachandran	<i>Research Review International Journal of Multidisciplinary</i>	2019	2455-3085
14	Green Preference among consumers - an opportunity for growth in Ecopreneurship	Dr. Joseph George	<i>Journal of Management Research and Analysis</i>	2019	2394-2770
15	Intellectual Property System to Enhance the Tourism Competitiveness in India	Dr. Remya Ramachandran	<i>Research Review International Journal of Multidisciplinary</i>	2019	2455-3085
16	Role of Incubators in an Entrepreneurial Ecosystem	Dr. Remya Ramachandran	<i>Journal of Management Research and Analysis</i>	2019	2394-277041-44
17	Enhanced Room Temperature Ferromagnetism in Chemically Synthesized Co3O4 Nanoparticles	Lakshmi, B; Thomas, A; Gopinath, P	<i>AIP</i>	2019	0094-243X
18	A redescription of Paratemnoides plebejus (with) (Pseudoscorpiones; atemnidae)	Aneesh V Mathew, Mathew M.J.	<i>International Journal of Avian & Wildlife Biology</i>	2019	2574-9862
19	A review of the pseudoscorpion genus Metawithius (Pseudoscorpiones: Withiidae) from the Indian subcontinent	Johnson J., Romero-Ortiz C., Mathew A.V., Sebastian P.A. , Joseph M.M., Harvey M.S.	<i>Journal of Arachnology</i>	2019	2E+06
20	New species of Habrocestum Simon, 1876 and a redescription of Curubis tetrica Simon, 1902 (Araneae: Salticidae: Salticinae: Hasariini) from India	Pradeep M. Sankaran, Jobi J. Malamel, Mathew M. J. & P. A. Sebastian	<i>Journal of Natural History</i>	2019	222-933
21	New synonymies and transfers in Castianeira Keyserling, 1879 (Araneae, Corinnidae, Castianeirinae) from India	Sankaran, PM; Caleb, JTD; Sebastian, PA	<i>Zootaxa</i>	2019	1175-5326
22	On the taxonomic validity of Indian ground spiders: I. Genus Scopoides Platnick, 1989 (Araneae: Gnaphosidae)	Sankaran, PM; Caleb, JTD; Sebastian, PA	<i>Zootaxa</i>	2019	1175-5326
23	<i>Systaria barkudensis</i> (Gravely, 1931) is a junior synonym of <i>Palicanus audatus</i> Thorell, 1897 (Araneae: Miturgidae, Systariinae)	Pradeep M.S. & P.A. Sebastian	<i>Zootaxa</i>	2019	1175-5334
24	Taxonomic revision of the monotypic genus <i>Psellonus</i> Simon, 1897 (Araneae, Philodromidae)	JOBI J. MALAMEL, Karunnappilli Shamsudheen Nafin, Pradeep M. Sankaran, Pothalil A. Sebastian	<i>Zootaxa</i>	2019	1175-5334

FACULTY PUBLICATIONS 2018-2019

Sl. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
25	Transfer of the Indian species formerly included in the genus <i>Lutica</i> Marx, 1891 to <i>Tropizodium</i> Jocque & Churchill, 2005 and <i>Zodarion</i> Walckenaer, 1826 (Araneae, Zodariidae)	Sankaran, PM; Caleb, JTD; Sebastian, PA	<i>Zootaxa</i>	2019	1175-5326
26	Two new species of the jumping spiders (Araneae: Salticidae) from the genera <i>Epeus</i> Peckham et Peckham, 1886 and <i>Piranthus</i> Thorell, 1895 from India	Malamel, JJ ; Nafin, KS; Sudhikumar, AV; Sebastian, PA	<i>Arthropoda Sel.</i>	2019	0136-006X
27	Two new species of the tribe Ballini Banks, 1892 from India (Araneae: Salticidae)	Malamel, J J ; Prajapati, DA; Sudhikumar, AV; Sebastian, PA	<i>Arthropoda Sel.</i>	2019	0136-006X
28	Spatial and temporal oscillations of primary production and physicochemical characteristics in a tropical Ramsar site (Cochin backwaters-south west coast of India)	Geo Joseph, M.S. Francis , Parvathy V Mavelil and Tintu Jose Manicketh	<i>Asia Pacific Journal of Research, Vol: I. Issue LVIV, January 2018</i>	2018	2320-5504
29	Floral traits predict pollination syndrome in <i>Syzygium</i> species: a study on four endemic species of the Western Ghats, India.	Giby Kuriakose , Palatty Allesh Sinu and K R Shivanna	<i>Australian Journal of Botany.</i>	2018	0067-1924
30	Properties of Natural Fibers Separated from <i>Chromolaena odorata</i> and <i>Mikania micrantha</i>	Swapna Vijayan & Cheenukkal Mathew Joy	<i>Journal of Natural Fibers</i>	2018	1544-0478
31	Ant pollination of <i>Syzygium occidentale</i> , an endemic tree species of tropical rain forests of the Western Ghats, India	Giby Kuriakose , Palatty Allesh Sinu and K R Shivanna	<i>Arthropod-Plant Interactions.</i>	2018	1872-8855
32	Identification, functional annotation and analysis of COS markers in <i>Zingiber</i> and its utility in DNA barcoding	Lesly Augustine , Smini Varghese, Geethu Elizabeth Thomas and George Thomas	<i>International Journal of Engineering, Science and Mathematics</i>	2018	2320-0294
33	Autocyclized and oxidized forms of SCR7 induce cancer cell death by inhibiting nonhomologous DNA end joining in a Ligase IV dependent manner	Franklin J	<i>The FEBS Journal</i>	2018	1742-4658
34	Antecedents of Employee Engagement in Public and Private Sector Companies	P. S. PRIYA	<i>Emperor International Journal Of Finance And Management Research</i>	2018	2395-5929
35	Entrepreneurship among rural women	Dr. Mathew Jose	<i>International Journal of Research in Humanities, Arts and Literature</i>	2018	2347-4564
36	Evangelist Marketing: Concepts and Emerging Trends	Dr. Sajoy P. B.	<i>International Journal of Research and Analytical Reviews</i>	2018	2349-5138

FACULTY PUBLICATIONS 2018-2019

Sl. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
37	Role of district industries centres in promotion of entrepreneurship in Kerala	Dr. Mathew Jose	<i>Emperor International Journal of Finance and Management Research</i>	2018	2395-5929
38	Handoff Delay Optimisation Using Hybrid Prediction Model, International Journal for Networked and Distributed Computing ((SCOPUS Indexed), Apr, 2018	Regitha M. R, Varghese Paul, Shailesh Sivan, Nijo Antony	<i>International Journal of Networked and Distributed Computing</i>	2018	2211-7946
39	Reducing Frequent Switch Over Between the Base Stations through Continous Analysis of Signal Strength	Regitha M. R, Varghese Paul	<i>Asian Journal of Computer Science and Technology</i>	2018	2249-0701
40	Structural Equation Modeling Of Perceived Impacts Of Tourism – A Study In Residents Perspective	Radhika P. C. and Dr. Johney Johnson	<i>Abhigyan, the refereed quarterly management journal of FORE</i>	2018	0970-2385
41	The Effect of SwachhBharath Mission at Tourism Destinations in Resident's Perspective-A Study with Special Reference to Fort Kochi	Dr. Radhika P. C.	<i>International Research Journal of Commerce, Management and Social Science</i>	2018	2249-8117
42	Overview of functioning of micro finance in India	Shanmughadas K. G.	<i>International Journal of Basic and Applied Research</i>	2018	2249-3352
43	Importance of Destination Cleanliness-A Study through the perspectives of Tourist's and Government Authorities	Dr. Radhika P. C.	<i>International Research Journal of Commerce, Management and Social Science</i>	2018	2249-8117
44	Real Estate Price Dynamics In India:An Overview Of Residex Index With Special Reference To Kochi	Mr. Siby Abraham and Dr. N. Ajith Kumar	<i>IOSR Journal Of Business And Management</i>	2018	2319-7668

TRAINING PROGRAMMES ORGANIZED FOR TEACHING & NON-TEACHING STAFF

IQAC and various departments of the college organized 14 professional training programmes for the teaching and non-teaching staff. 12 Training programmes including IQAC workshop on OBE and NAAC reaccreditation process were organized for the teaching staff while two programmes were organized for the nonteaching staff. The list of the programmes and report of the selected programmes are given below.

Sl. No.	Title of the Program	Date
1.	FIP for the Newly Recruited Faculty	12-07-2018 to 18-07-2018
2.	Faculty Training Programme on MOODLE	26-07-2018
3.	Faculty Training on The Role of IPR in Academic Research	26-11-2018 to 30-11-2018
4.	FDP on Outcome Based Education	26-10-2018 to 27-10-2018
5.	Faculty Orientation Program on NAAC Revised Criteria and Re-Accreditation Process	03-12-2018
6.	National Workshop on SPSS	06-12-2018 to 08-12-2018
7.	FDP on Social Responsibility of Educators	12-12-2018
8.	FDP on Blended Learning and Flipped Class Rooms	04-01-2019
9.	Hands-on training on Microscale physical Chemistry Experiments.	19-01-2019
10.	Faculty Training on E-Content Development.	31-01-2019
11.	IQAC Workshop on OBE	03-04-2019 to 04-04-2019
12.	Orientation Program for Teachers on UGC regulations 2018	18-05-2019
13.	Orientation on Service Rules	06-06-2018
14.	Orientation on NAAC Re-Accreditation process.	25-01-2019

FACULTY ORIENTATION & INDUCTION PROGRAMME 2018

The IQAC of the college organized a Faculty Orientation & Induction Programme, 2018 for the newly joined faculty members. The 15 new faculty members belonging to different disciplines attended the five - day orientation. During the orientation, attendees were introduced to the Vision, Mission of the College along with information concerning the academic structure and working of an autonomous college. Special focus was given to the OBE (Outcome Based Education) model.

The orientation was led by Rev. Fr. Johnson X Palackappillil CMI (Principal) and Dr. K.M. Johnson (IQAC Co-ordinator) along with several other facilitators for each planned sessions.

During the orientation, the participants had the opportunity to interact with each other and discussed topics and developed a good bond within themselves.

The programme was organized with an overall introduction to the activities of the college for faculty members as well as for students.

A whole day was dedicated to a theme centered interaction workshop by Prof. Thomas Abraham that motivated everyone to become from a Teacher to Teacher Plus.

The five-day orientation was structured in such a way that it facilitated the participants with information regarding the academics as well as about the college as a whole

FACULTY TRAINING PROGRAMME ON MOODLE

Internal Quality Assurance Cell (IQAC) of Sacred Heart College organized a Faculty Training Programme on MOODLE on 26 July 2018. This hands-on session on MOODLE was given to the Faculty of Sacred Heart was intended to familiarize the teachers with the new possibilities in teaching. Training was given on course creation, conduct of examinations, evaluations of assignments etc. through the moodle platform.

IQAC Co-ordinator Dr. K. M. Johnson welcomed the participants and resource person. The resource person for the training program was **Mr. Binu A, Assistant Professor, Rajagiri School of Engineering and Technology, Kakkanadu**. Mr. Binu A devoted the whole training programme to guide the participants to create a course and add the study materials in the course module. 65 Faculty members participated in the training programme.



FDP ON OUTCOME BASED EDUCATION

Internal quality Assurance Cell (IQAC) of Sacred Heart College, Thevara organized a two-day workshop on outcome based education based on RBT Model. The objective of the workshop was to equip the faculty members to draft course plans with course outcomes. The resource persons for the workshop were **Prof. Subramanian** and **Dr. Anita Priya Raja** from **Gnanam School of Business Studies, Thanjavoor, Tamil Nadu**.



Principal
Rev. Dr.
Johnson
X

Palackappillil delivered the opening remarks. The two-day workshop was divided into different sessions in which the resource persons discussed about psychometric assessments, experiential learning methodology and Revised Bloom's Taxonomy model. Various levels of RBT were explained by Prof. Subramanian. Its impact on student learning was also discussed. There was a session for management games.

Dr. Anita Priya Raja delivered the session on program objectives, program specific objectives and course outcomes. There was a department-wise group discussion and program specific outcomes were drafted. Each department representatives presented the drafted PSOs. The resource persons suggested modifications. The program enabled the faculty members to revise and modify the PSOs and Cos based on RBT model.

FACULTY ORIENTATION PROGRAMME ON NAAC REVISED CRITERIA AND RE- ACCREDITATION PROCESS

The IQAC of the college organized an orientation programme for the faculty members on NAAC revised criteria and re-accreditation process. The objective of the program was to familiarize the faculty regarding the revised NAAC criteria and the fourth cycle of accreditation.

Orientation by Dr. K. M. Johnson:

IQAC Co-ordinator Dr. K. M. Johnson gave a detailed presentation on the seven NAAC criteria. He highlighted the important changes in the data template and matrices. Documentation and data collection methods were discussed in the orientation programme.

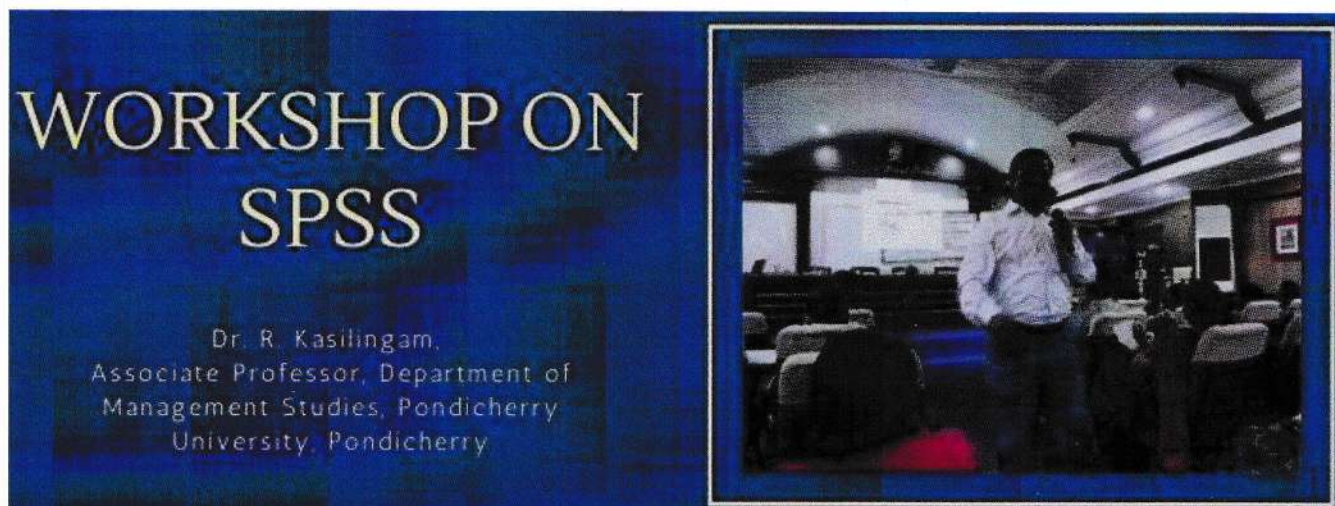
Group Discussion & Presentation:

The participants were divided into seven groups and assigned one criteria to each group for discussion and presentation. After the group discussion, one faculty representing each criteria presented the methodology and data collection. The ensuing discussion could modify and improvise documentation and data collection for the accreditation process.

33 Faculty representing all departments attended the orientation.

NATIONAL WORKSHOP ON SPSS

Research and Post Graduate department of Commerce organized a three-day workshop on SPSS. The resource person for the workshop was **Dr. R. Kasilingam, Associate Professor, Department of Management Studies, Pondicherry University, Pondicherry**. He was the resource person for more than 80 training programmes on SPSS in different parts of India and abroad.



The first day started with sessions on fundamentals of SPSS. The discussions on types of variables and scales of measurement have been done. Sessions on introduction to SPSS, entering and manipulations of data, checking reliability and normality of data were delivered by Dr. Kasilingam. Second day started with a session on usage of various statistical tests based on the nature of data. Further discussion was focused on descriptive statistics and Chi-Square test. There were also demonstrations of different types of t tests. The final day of the symposium comprised of four technical sessions on exploratory factor analysis, correlation analysis and regression analysis. The participants could do a number of statistical analyses and Dr. Kasilingam clarified the queries on different aspects. Coordinator James V George proposed the vote of thanks.

FDP ON SOCIAL RESPONSIBILITY OF EDUCATORS

Sacred Heart College Thevara organized a faculty development programme on the social responsibility of educators on 12 December 2018. The objective of the program was to inculcate the value of social responsibility in educators.

The resource person for this FDP was Principal Rev. Dr. Johnson X Palackappillil CMI. A renowned social worker by profession, Fr. Principal is a great proponent of social commitment of teachers.

In his session, the resource person examined the social responsibility of education through an explorative study on a sample of teachers and students. The results revealed that there are a lack of awareness of this phenomenon and more worthy, it's shown that teachers have to stimulate and inspire their students to be involved in social actions and demonstrate for them how to be good, conscious, and responsible. Teachers should promote some values that conduct the behavior of students. Fr. Johnson said that the objective of the FDP is to develop and establish an advanced social responsibility among the education team who will be responsible to transmit it to students and to community in whole. 46 Faculty members participated in the FDP. IQAC co-ordinator Dr. K. M. Johnson proposed the vote of thanks.



FDP ON BLENDED LEARNING AND FLIPPED CLASS ROOMS

IQAC of the college organized a faculty development programme on **Blended Learning and Flipped Class Rooms**. Blended learning is a broad term used to describe the combination of face-to-face and online delivery of teaching and learning. This FDP was aimed at inculcating the culture of blended learning and flipped class rooms among the faculty.



The technical session was delivered by Mr. Aravind R Nair, Assistant Professor in the Department of English. Mr. Aravind is an expert in the field of blended learning.

The resource person explained the following components of blended learning:

- Using multiple technologies and media to deliver content.
- Providing social and emotional support
- Engaging students in dialectic and questioning activities
- Incorporating reflection and activities that require students to reflect on their learning
- Engaging in collaborative learning

Mr. Aravind also explained in detail about the aspect of flipped class rooms. He also motivated the participants to create a model class room and introduce the ideas of blended learning and flipped class rooms.

HANDS-ON TRAINING ON MICROSCALE PHYSICAL CHEMISTRY EXPERIMENTS

The Chemistry department of Sacred Heart College organized a one-day hands-on training in microscale experiments in physical chemistry. The objective of the training programme is to acquire expertise in environment friendly microscale experiments in chemistry. The program was organized in continuation of the Department's consistent efforts to introduce new techniques for improving the efficiency and reducing the usage of chemicals in Practicals.

The resource person **Dr. Jorphin Joseph** introduced the fundamentals and principles of microscale methods in chemistry. The practical sessions were held in the MSc Physical chemistry laboratory.

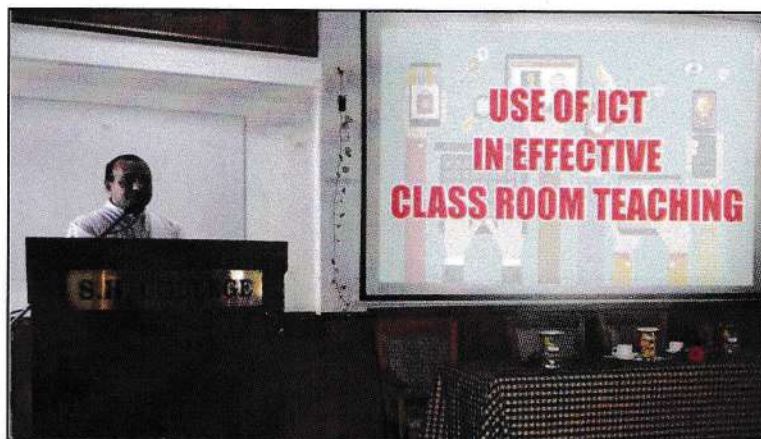
In the first session Two-burette titrations is demonstrated. Two very important physical chemistry Practicals were demonstrated in the second and third sessions. Partition coefficient experiment is normally not performed in laboratories due to the excessive usage of carcinogenic chemical carbon tetrachloride. Dr. Jorphin explained the microscale approach in doing this experiment which requires only very small volume of carbon tetrachloride.

The experiment of three-component system was also demonstrated using microscale approach.

The participants were faculty from department of chemistry. Department staff secretary thanked Dr. Jorphin for his excellent lab sessions.

FACULTY TRAINING ON E-CONTENT DEVELOPMENT

Sacred Heart College organized a Faculty training programme on E-content Development. The programme was aimed at making the faculty members well-versed in handling various ICT tools for teaching. Dr. Grace Thomas (Jt. Co-ordinator, IQAC) welcomed the audience. The whole faculty development programme was divided into two sessions. The first session was handled by Rev. Fr. Dr. Jose John CMI and the second session was handled by Rev. Fr. Dr. Joseph Kusumalayam CMI. Both resource persons were actively involved in developing novel methods of teaching.



IQAC WORKSHOP ON OBE

The Internal Quality Assurance Cell of Sacred Heart College (Autonomous), Thevara, Kochi organised a workshop on Outcome Based Education (OBE) for college teachers on 3-4 May, 2019 in association with Kerala Higher Education Council. The two day workshop was inaugurated by Principal Rev. Fr. Johnson X Palackappillil CMI. The chief guest for the workshop Vice-Chairman of Kerala State Higher Education Council Dr. Rajan Gurukkal. In the inaugural address he brought clarity regarding Curriculum Redesigning Concepts and Challenges.

The technical sessions of the orientation programme were handled by Dr. Manulal P. Ram, Research Officer Kerala State Higher Education Council, Dr. Ajay K., Assistant Professor, Department of Geology, Government College, Kottayam. There were practical sessions on how to write Programme Outcomes, Programme Specific Outcomes, Course Outcomes, tagging course outcomes, Taxonomy of learning, attainment of COs, PSOs and POs, Tagging of Questions with COs and Taxonomy Table. Sessions were handled by. 58 teachers participated in the programme.



ORIENTATION PROGRAM FOR TEACHERS ON UGC REGULATIONS 2018

Sacred Heart College organized an orientation programme for the teaching staff on UGC Regulations - 2018. The programme was aimed at making the faculty enriched about the rules and procedures in the newly implemented UGC regulations – 2018.

The orientation programme was held in Melesius Hall. Staff Secretary Dr. Giby Kuriakose introduced the resource person to the audience. The resource person of the orientation program was Prof. S. V. Sudheer. He is the director of UGC Human resource development centre (HRDC), University of Kerala, Thiruvananthapuram and an experienced resource person in the service and legal matters related to college teachers.

Prof. Sudheer explained the UGC regulations based on the following points.

- Conditions for Direct Recruitment
- Qualification for the post of Principal
- Validity of Ph.D. degree
- Career Advancement Scheme
- Academic Performance Indicators
- Pay scale and Pay fixation

The session was followed by a question-answer session. Staff representative Dr. Sibi K. I. thanked the resource person. 62 faculty members attended the session.



ORIENTATION ON SERVICE RULES

The IQAC of the college organized an orientation programme for the administrative staff on Service Rules. The programme was aimed at making the administrative staff well-versed in Kerala Education Rules and Kerala Service Rules. The orientation programme was held in Marian Hall. Mr. K. J. Lukose welcomed the gathering. Principal Rev. Dr. Prasant Palackappillil CMI inaugurated the orientation. He urged the administrative staff to study the government rules very well so as to make the functioning office smooth and effective.

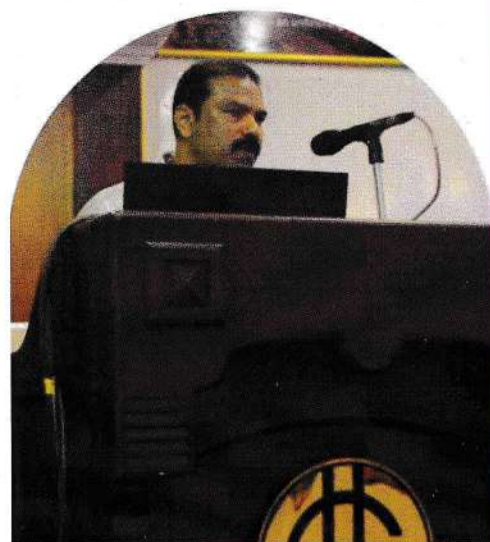


Mr. Biju V. V., the resource person is an expert in the field of KER and KSR. He presented the clauses and sub-clauses of the rules necessary for the effective office administration. The session was succeeded by an enriching discussion session in which the participants asked several questions and Mr. Biju could successfully clear the doubts and answered the queries. The office staff of the college attended the orientation.

ORIENTATION ON NAAC RE-ACCREDITATION PROCESS

The IQAC of Sacred Heart College Thevara organized an orientation programme for non-teaching staff on the orientation programme on NAAC reaccreditation process. The program was organized on 25 January 2019 in Hadrian hall. The objective of the program was to enrich the administrative staff regarding the 4th cycle of NAAC re-accreditation process and the documentation process.

Resource person Dr. K. M. Johnson led the orientation program. He described in detail the operating procedures of NAAC documentation process. NAAC accreditation is done on the basis of seven criteria. Dr. Johnson explained the seven criteria to the participants. The role of administrative staff is essential for maintaining the quality of office administration, which is vital to the effective academic activities of the college. The new methodology of accreditation process demands perfect documentation. The participants interacted with the IQAC co-ordinator and got clarification for their queries. 18 Non-teaching staff participated in the program.



FACULTY MEMBERS ATTENDED FACULTY DEVELOPMENT PROGRAMMES

Faculty members attended various faculty development programmes like refresher courses, orientation programmes, workshops and short term courses. The list of faulty members and the details of faculty development programme they attended are enlisted below.

Sl. No.	Name of Teacher	Title of the Program	Duration
1.	Sanu Varghese	Orientation Programme, Kannur University, Kannur	07-06-2018 to 04-07-2018
2.	Dr. Sumod S. G.	Summer School Refresher Course in Nano science, University of Kerala, Trivandrum	04-07-2018 to 24-07-2018
3.	Fr. Limson Antony	FIP for the Newly Recruited Faculty Organized by IQAC, SH College Kochi.	12-07-2018 to 20-12-2018
4.	Alfreeda T. A.	FIP for the Newly Recruited Faculty Organized by IQAC, SH College Kochi.	12-07-2018 to 20-12-2018
5.	Gayathri M	FIP for the Newly Recruited Faculty Organized by IQAC, SH College Kochi.	12-07-2018 to 20-12-2018
6.	Santhosh Kumar K. P.	FIP for the Newly Recruited Faculty Organized by IQAC, SH College Kochi.	12-07-2018 to 20-12-2018
7.	Jobin C. Tharian	Refresher Course in Life Sciences, University of Delhi, Delhi	17-07-2018 to 06-08-2018
8.	Shyamlal M. S.	Orientation Programme, BHU Varanasi	21-07-2018 to 17-08-2018
9.	Dr. June Cyriac	Refresher Course, University of Kerala, Trivandrum	23-07-2018 to 13-08-2018
10.	Biju V. V.	Refresher Course in Library Science, Gujarat University, Ahmedabad	30-17-2018 to 19-08-2018
11.	Dr. Ramakrishnan S.	Orientation Programme, University of Kerala, Trivandrum	04-09-2018 to 01-10-2018
12.	Midhun Dominic C. D.	Orientation Programme, University of Kerala, Trivandrum	04-09-2018 to 01-10-2018
13.	Dr. Pius Augustine	Orientation Course, JNU New Delhi	08-10-2018 to 02-11-2018
14.	Dr. Remya Ramachandran	South zone Pre Republic Parade Camp, Chickballapur	26-10-2018 to 04-11-2018

Sl. No.	Name of Teacher	Title of the Program	Duration
15.	Dr. Jimmy Sebastian	Refresher Course in Materials Science, University of Kerala, Trivandrum	30-10-2018 to 21-11-2018
16.	Senju Devassykutty	Refresher Course in Basic Science, Kannur University, Kannur	08-11-2018 to 28-11-2018
17.	Dr. Mathew M. J.	5 th Asian Society of Arachnology Conference, Chulalongkorn University, Thailand	19-11-2018 to 22-11-2018
18.	Didimos K. V.	Refresher Course for College Teachers in Kerala State-IV, Kerala School of Mathematics, Calicut	22-11-2018 to 25-11-2018
19.	Dr. Jeenu Kurien	Refresher Course for College Teachers in Kerala State-IV, Kerala School of Mathematics, Calicut	22-11-2018 to 25-11-2018
20.	Dr. Minipriya R.	Refresher Course, University of Kerala, Trivandrum	01-12-2018 to 21-12-2018
21.	Dr. Giby Kuriakose	Workshop on Coastal and Estuarine Ecosystem Conservation and Management, Maharajas College Ernakulam	03-12-2018 to 08-12-2018
22.	Sanil Jose	International Workshop and Conference on Topology and Applications, RSET Cochin	05-12-2018 to 11-12-2018
23.	Sabu Thomas	Refresher Course in English, University of Hyderabad, Hyderabad	07-12-2018 to 27-12-2018
24.	Vinil K. V.	Refresher Course in Social Work & Social Development in Era of Post Modernization, Bilaspur	10-12-2018 to 31-12-2018
25.	Dr. K. M. Johnson	Revisiting Cosmopolitanism, Puri, Odisha	18-12-2018 to 21-12-2018
26.	Shanthi Mathai	Workshop on Gender Equality and Inclusion – Transformative Pathways in Higher Education, St. Teresa's College, Kochi	05-01-2019 to 08-01-2019
27.	Lakshmi S Nair	Workshop on Gender Equality and Inclusion – Transformative Pathways in Higher Education, St. Teresa's College, Kochi	05-01-2019 to 08-01-2019
28.	Gayathri M	Workshop on Gender Equality and Inclusion – Transformative Pathways in Higher Education, St. Teresa's College, Kochi	05-01-2019 to 08-01-2019
29.	Jobin C. Tharian	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019

Sl. No.	Name of Teacher	Title of the Program	Duration
30.	Fr. Xavier C. S.	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
31.	Dr. I'ma Neerakkal	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
32.	Raagam P. M.	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
33.	Biju V. V.	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
34.	Dr. Thommachan Xavier	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
35.	Dr. Roby Cherian	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
36.	Dr. K. V. Raju	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
37.	Dr. Remya R	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
38.	Dr. Anjana N. S.	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
39.	Dr. P. E. Cherian	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
40.	Dr. Mathew M. J.	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
41.	Dr. Raju M. K.	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
42.	Fr. Nijo Antony	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
43.	Dr. K. M. Johnson	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019

Sl. No.	Name of Teacher	Title of the Program	Duration
44.	Dr. Jeenu Kurien	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
45.	Dr. Grace Thomas	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
46.	Fr. Joseph Varghese	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
47.	Dr. Joseph T Moolayil	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
48.	Dr. V. S. Sebastian	Workshop on The Role of IPR in Academic Research, KSCSTE Thiruvananthapuram & SH College, Kochi.	08-01-2019 to 12-01-2019
49.	Dr. Jimmy Sebastian	Research Based Pedagogical Tools Writers Workshop for STEM researchers, IISER Pune	20-01-2019 to 23-01-2019
50.	Regitha M. R.	Work Shop on Deep Learning, CUSAT Kochi	19-02-2019 to 23-02-2019
51.	Dr. Rajesh James	Refresher Course in English Language and Literature, University of Calicut, Calicut	08-03-2019 to 28-03-2019
52.	Dr. Fr. Johnson X. Palackappillil	Training of Instructors on Eco-system based Disaster Risk Reduction and Climate Change Adaptation in Asia Pacific, UN Environment, Indonesia	18-03-2019 to 22-03-2019
53.	Shijo Varghese	Workshop on Research Methodology and Academic Publishing, Prajna Foundation, Kochi and SH College Kochi.	16-04-2019 to 20-04-2019
54.	Benny Varghese	Workshop on Research Methodology and Academic Publishing, Prajna Foundation, Kochi and SH College Kochi.	16-04-2019 to 20-04-2019
55.	Joseph Varghese	Workshop on Research Methodology and Academic Publishing, Prajna Foundation, Kochi and SH College Kochi.	16-04-2019 to 20-04-2019
56.	Dr. Tom C. Thomas	Workshop on Research Methodology and Academic Publishing, Prajna Foundation, Kochi and SH College Kochi.	16-04-2019 to 20-04-2019
57.	Dr. Rajesh James	Workshop on Research Methodology and Academic Publishing, Prajna Foundation, Kochi and SH College Kochi.	16-04-2019 to 20-04-2019

Sl. No.	Name of Teacher	Title of the Program	Duration
58.	Aravind R Nair	Workshop on Research Methodology and Academic Publishing, Prajna Foundation, Kochi and SH College Kochi.	16-04-2019 to 20-04-2019
59.	Sunil K. V.	Workshop on Research Methodology and Academic Publishing, Prajna Foundation, Kochi and SH College Kochi.	16-04-2019 to 20-04-2019
60.	Dr. Abi T. G.	Workshop on Research Methodology and Academic Publishing, Prajna Foundation, Kochi and SH College Kochi.	16-04-2019 to 20-04-2019
61.	Dr. Jinu George	Workshop on Research Methodology and Academic Publishing, Prajna Foundation, Kochi and SH College Kochi.	16-04-2019 to 20-04-2019
62.	Dr. Roby Cherian	Hands-on Training on Solar Study Lamp Assembly, IIT Bombay	01-05-2019 to 31-12-2019

FINANCIAL ASSISTANCE PROVIDED TO FACULTY MEMBERS

The college provides financial support to faculty members for attending conferences, presenting research paper in conferences and taking membership in professional bodies. In the academic year 2018-19, fifty eight faculty members were given assistance for participation in conferences in India and abroad. Four faculty members were also given assistance towards professional body membership. An amount of Rs. 2.11 Lakhs was provided to teachers for the same.

IQAC ANNUAL REPORT 2018-2019

Prepared by

IQAC

SACRED HEART COLLEGE, THEVARA, KOCHI