ANNUAL REPORT OF IQAC

2018-19

MARIAN COLLEGE KUTTIKKANAM
(AUTONOMOUS)

MAKING COMPLETE

IQAC Annual Report 2018-19

Introduction

Marian IQAC was constituted in 2004 in line with the directives of NAAC. Since quality enhancement is a continuous process, the IQAC is a part of Marian's system and works towards the realization of the goals of quality enhancement and sustenance. The prime task of Marian IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of Marian. In the academic year of 2018-19 too, the IQAC has made a significant contribution in the post-accreditation phase of Marian.

Composition of IQAC

The IQAC Core team of the year 2018-19 consists of Dr. Roy Abraham P, the Chairperson, Dr. Binu Thomas, the Coordinator, Mrs. Reny Jose, Mrs. Suzanna Oommen and Mr. Abin Thomas Mathew. The seven criteria heads are Fr. Shaiju KS, Mr. Joby Cyriac, Dr. Thomas KV, Dr. Joshy John, Mr. Ajesh P Joseph, Dr. Sabu Augustine and Dr. Razi A. Fr. James Kozhimala is the management representative and the administrative staff includes Mr. Sunny Thomas, Mr. Joby Jose, Mr. John Joseph, Mr. Jobin Jose and Mr. Roy Pulpel. The nominees from society, students and alumni are Ms. Beena Thomas, Mr. Augustine and Mr. Febin Dominic respectively. From employers, industrialists and stakeholders the respective nominees are Rev. Fr. Hubby Mathew, Fr. Jilson James and Dr. Jose James.

Summary of Activities of the Academic Year 2018-19

This year the college introduced Outcome Based Education (OBE) in all the courses in the curriculum and started using the software (mcka.in) for outcome-based assessment. Workshops were conducted on the NAAC manual and we participated in NIRF. The curriculum was revised to improve employability and department-level workshops were organized to refine Course Outcomes (COs). Special training was given to faculty on COs, outcome assessment, Bloom Taxonomy and question setting, and AR-based learning and location-based training were implemented. IQAC was recomposed by the addition of new members and Moodle also was upgraded. This year the college initiated the process of revisiting the vision and mission. Workshops were conducted on Innovation and IPR. An induction program was conducted for new faculty members and non-teaching staff was given training in Excel and Word. More Government scholarships were made available to students and more social intervention programs could be organized with the help of the extension department. Staff feedback and curriculum feedback were collected from students. Student Satisfaction Survey and Exit Survey were conducted. In terms of infrastructure refurnishing, Studio Marian was started in the MCMS department and CCTV cameras were installed in all the examination halls.

IQAC Meetings

The smooth and efficient functioning of IQAC in the college was ensured by the steering committee meetings held regularly. 5 meetings were convened during this academic year on 28th June 2018, 31st August 2018, 25th October 2018, 23rd January 2019 and 7th March 2019. All the quality initiatives introduced in the college are a result of the discussions held in these steering committee meetings.

Training and Faculty Development Programmes Organized by the College

Serial no.	Dates (from-to) (DD-MM-YYYY)	Title of the professional development/ administrative training programs organized for teaching staff (Professional development/ administrative training programs)	No. of participants
1.	17/08/2018	Orientation Seminar for New Teachers	14
2.	3/9/2018	Training for faculty on Outcome Based Education	20
3.	15/09/2018 to 17/09/2018	Orientation Program For support staff	5
4.	18/09/2018	Training for faculty on Curriculum Development	20
5.	22/10/2018	Training for faculty on Moodle	20
6.	10/11/2018	Training for faculty on Campus ERP-mcka.in	20
7.	18/11/2018	Training on New Methodology of NAAC Accreditation	79
8.	27/11/2018	Training for faculty on Mentoring- UG Department of Computer Applications	8
9.	16/12/2018	Training for faculty on NIRF	20
10.	11/02/2019- 13/02/2019	Faculty Workshop on Outcome Based Education	20
11.	22/02/2019	Discussion on course outcome	27
12.	15/02/2019	Teachers training on blooms taxonomy by Dr. Rajeshwari Narendran	17

Faculty Workshop on Outcome Based Education

Seminars/Conferences/Workshops Attended by Teachers with Financial Support from College

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Amount of Support
2018-2019	Titus J Sam	IEDC Buisness planning workshops	1400
2018-2019	Dr. Joshy John	Intellectual property rights and bio-diversity (Conference)	1500
2018-2019	Nebu Cherian	Workshop on higher impact Research and Publication	1000
2018-2019	Sr. Italia Joseph Maria	Management development program on machine learning algorithms for business decision making (Workshop)	10030
2018-2019	Reny Jose	Foundation Course on AI (Artificial Intelligence) (Workshop)	4130
2018-2019	Dr. Mendus Jacob	National Mathematics Day Celebration (Conference)	1800
2018-2019	Robin Thomas	Two days workshop on Research Methodology	1000
2018-2019	Dr. Boban Joseph	International Conference on Trends in Multidisciplinary research	2000
2018-2019	Dr. Jobi Babu	Educational Leadership (Workshop)	1000

2018-2019	Dr. Fr. Shaiju K S	Workshop on higher impact Research and Publication	1500
2018-2019	Arun George Joseph	Faculty Training Workshop	1000
2018-2019	Br. Jospeh Charuplackal	Dedoose, Data analysis software training (Workshop)	5300
2018-2019	Benymol Jose	Unstructured Data Mining for customer relationship management: A Survey(Workshop)	1000
2018-2019	Jyothi Jose	IELTS Train the trainer (Workshop)	1000
2018-2019	Binu Thomas	Participating in the LILLY ASIA CONFERENCE	10000
2018-2019	Eric Thomas Joseph	Participating in the LILLY ASIA CONFERENCE	10000
2018-2019	Melby Joseph	Participating in the LILLY ASIA CONFERENCE	10000

Training Programs of more than 5 Days Attended by Faculty Members

Name of teacher who attended the program	Title of the program	Duration (from – to)
Jobi Babu	Nptel Online Certificate (Educational Leadership)	01-08-2018 - 30-09-2018
Benymol Jose	Five Day National Hands-On Workshop on Deep Learning	19-02-2019 – 23-02-2019
Dr. K.V. Thomas	Seven Day International Workshop on Advanced Data Anaysis	21-01-2019 – 27-01-2019
Sajan N Thomas	UGC Sponsored Short Term Course in Gender Sensitization	21-12-2018 - 29-12-2018
Sajan N Thomas	Annual Refresher Programme in Teaching	03-04-2019 - 30-04-2019

Academic Council Meetings

The Academic Council of the college reviews the curricula and approves the proposals from the Boards of Studies with or without modifications. 3 Academic Council meetings were conducted during the academic year 2018-19. These meetings were convened on 13th June 2018, 12th December 2018 and 30th April 2019.

Curriculum Revision

The college introduced an OBE-based curriculum this academic year. During the process, the curricula were restructured to ensure that the Program Specific Outcomes (PSO) and the Course Outcomes (CO) are aligned. Questions and consequently question banks were

updated to reflect this dramatic change. Special efforts were made to devise measurable COs, and PSOs which meet the discipline-specific knowledge and skills.

129 new programs having a focus on employability during the academic year 2018-19. and the syllabus of all the existing programs was revised to ensure CBCS/Electives. All the new courses ensured employability/skill development/entrepreneurship components. The number of value-added courses offered during the academic year 2018-19 is 25.

Sl. No.	Name of the Courses	Course Code	Duration of course	Students enrolled	Students completed
1	Universal Personality Development Programme	ECO01	30 HOURS	89	89
2	Value Added Course in Creativity	18PMCV001	36 HOURS	87	87
3	Value Added Course in Functional Specification Document Preparation	18PMCV002	30 HOURS	97	97
4	Career Enhancement and Placement Training	18PMCV003	40 HOURS	101	101
5	Value Added Course in Logic Building	18PMCV004	45 HOURS	87	87
6	Value Added Course in Redhat Linux	18PMCV006	40 HOURS	101	101
7	Teaching Internship (Value Added Programme)	PMMTI2018	40 HOURS	15	15
8	Intensive Aptitude Development Programme	PMMNSC2018	95 HOURS	139	139
9	Pre-examination coaching program	PMVAC 1802	100 HOURS	53	53
10	Value Added course in Indirect Taxation	ITGST012018	50 HOURS	29	29
11	Value Added Course in Direct Taxation	DT012018	50 HOURS	29	29
12	Advanced MS EXCEL	AME18	35 HOURS	53	53
13	Hotel Operations (PGDHO) - Value Added Diploma Course	NIL	384 HOURS	24	24
14	Aptitude Training for Distinction And Progression (I-PREP)	NIL	30 HOURS	24	24
15	MS Excel for Hospitality Professionals	NIL	30 HOURS	24	24
16	Value Added Programme in Principles and Practice of Accounting	UCNBMV1818	40 HOURS	19	19
17	Value Added Programme in Business Laws and Business Correspondence	UCNBMV1819	40 HOURS	19	19

18	Value Added Programme in Business Economics and Business and Commercial Knowledge	UCNBMV1820	40 HOURS	19	19
19	Value Added Programme in Business Mathematics, Logical Reasoning and Statistics	UCNBMV1821	40 HOURS	19	19
20	Value Added Programme in Accounting	UCNBMV1822	80 HOURS	13	13
21	Value Added Programme in Corporate and Other Laws	UCNBMV1823	80 HOURS	13	13
22	Value Added Programme in Cost and Management Accounting	UCNBMV1824	80 HOURS	13	13
23	Value Added Programme in Income Tax	UCNBMV1825	50 HOURS	13	13
24	Value Added Programme in Indirect Tax	UCNBMV1826	30 HOURS	13	13
25	SPSS - Value Added Course(Basic)	VAC 1806	30 HOURS	68	68

Feedback on Curriculum

Structured feedback for the design and review of the syllabus – semester-wise / year-wise is received from Students, Teachers, Employers and Alumni. The statistics of the feedback collected are as follows:

Stakeholder	No. of Feedback Received
Students	224
Alumni	100
Teachers	60
Industry	29

Student Enrolment and Profile

The number of students admitted during this academic year is 652 against the number of 719 seats sanctioned. The ratio of students to full-time teachers is 20:1.

Teaching-Learning Tools and Methods

The ICT tools used during this academic year are Moodle, Roven Software, UReply, ARLearn, Smart-E and several Massive Online Open Courses (MOOCs). Smart TV was installed in all classrooms. To provide a Stimulating Student Centric ICT-enabled learning environment focussing on experiential and problem solving several tools were used. Experiential learning was practiced by encouraging students to organize, host and participate in department fests, festivals, days of national and international significance, various clubs' activities, and inter and intra-collegiate competitions. Outreach programs and value education sessions were conducted in all the classes for experiential assimilation of universal values.

Student-centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences. Field practicum, farm planning, field trips, surveys, and research projects are integrated to the curriculum. Discipline-specific Workshops, Certificate Courses and personal and professional training programs. Experiential learning by organizing, hosting and participating: Department fests, festivals, days of national and international significance, various clubs' activities, inter and intra-collegiate competitions. Discipline-specific experience gaining activities like filing Income Tax Returns, obtaining information under RTI Act, video production, online coding, teaching juniors, and itinerary development.

Part-time jobs and start-up initiatives enable the students to 'earn-while-they-learn'. Skill-based courses offered by departments - Entrepreneurial Skill Development program, Technical Competencies for Executives. Active participation in conferences, conclaves, seminars and presenting papers on and off the campus. Online and offline interactive classroom activities facilitate vibrant learning through debates, group discussions, public speaking, role-plays, media reporting, quizzes, seminar presentations, video presentations, collage making, chart displays, displaying exhibits, 'walk-and-talk' program, advertising and digital marketing. Outreach programs and value education sessions for experiential assimilation of universal values.

Teacher Profile and Quality
The number of full-time teachers in this academic year is 82 against the sanctioned 82 posts. The Number of teachers with Ph.D. is 31, and the mentoring ratio maintained this year is 20:1.

Evaluation Process
The number of days from the date of last semester-end/year-end examination till the declaration of results year-wise during this year is 13.22. The number of examinations conducted this year is 66 and the total number of students who appeared for the same is 1719. The number of complaints filed was 80.

Research Promotion and Initiatives
The College has given utmost importance to research, innovation and extension activities. Over the years Marian has made significant improvements in research, consultancy and extension. We had 38 journal publications and 23 book/book chapters in book during this academic year. The college received 0.45 lakhs as research seed money this year.

Collaborations and MoUs
During the academic year 2018-19, the college signed 6 MoUs and had 12 collaborative activities. The MoUs signed were with Gandhi Smaraka Nidhi, The Walnut, Frenz Consulting Limited, International Holistic Guidance & Research Centre, University of the Fraser Valley, Advanced Centre of Environmental Studies and Sustainable Development (ACESSD).

Signing MoU with Gandhi Smaraka Nidhi

IPR Workshops

5 IPR workshops were conducted during the academic year 2018-19.

Sl. No.	Name of the Workshop/ Seminar	Number of Participants	Date From – To
1	Entrepreneurship and Innovation Workshop (Entrepreneurship)	70	03/08/2018 to 04/08/2018
2	I P R Workshop (Intellectual Property Rights (IPR))	99	12-11-2018
3	National Seminar on Agri-Innovations and Agripreneurship (Entrepreneurship)	135	07-01-2019
4	Seminar on Intellectual Property Rights (Intellectual Property Rights (IPR))	115	28-06-2018
5	Workshop on Public Speaking (Skill Development)	25	17/11/2018 to 18/11/2018

Extension Activities

During the academic year 2018-19, we had 62 extension programs and received 6 awards of recognition.

Consultancy Services

The amount generated via consultancy services during the academic year 2018-19 is 1.85 lakhs.

Research Publications

Name of the Author/s	Title of Paper	Department of the Teacher	Name of Journal
Simi John	Animal extinction and impact on biodiversity	Business Administration	Journal of School of Indian Legal Thought
Anil, Neethu and George, Ajimon	Influence of demographic factors on problems faced by agro-based industries	Commerce	International Journal of Management, IT and Engineering
Chackochan J Njavallil	Evaluation of the Financial Performance of Co-Operative Bank in Kerala – Upputhara Service Cooperative Bank	Commerce	Research Review International Journal of Multidisciplinary
Chackochan J Njavallil	Role and contribution of a social service agency in spice farming	Commerce	International Journal of

			Management, IT and Engineering
George, Ajimon	Perceptions of Internet banking users—a structural equation modelling (SEM) approach	Commerce	IIMB management review
George, Ajimon	Determinants of Behavioral Intention To Use Mobile Wallets--a Conceptual Model	Commerce	Journal of Management (JOM)
George, Ajimon	Problems faced by agro-based industries and its effect on business performance	Commerce	Research Review International Journal of Multidisciplinary
George, Ajimon	Use of internet banking scale development and validation	Commerce	IUP Journal of Bank Management
George, Ajimon	An evaluation of the compliance of double entry system and problems in computerized accounting in Grama Panchayat in Kerala	Commerce	International Journal of Research and Analytical Reviews
Jismy Maria Joseph	Problems Faced by the Rubber Cultivators in Kanjirapally Panchayath.	Commerce	Journal of Emerging Technologies and Innovative Research,
Jismy Maria Joseph	A study on the Information seeking and Investment Behaviour of Equity Investors	Commerce	Research Review International Journal of Multidisciplinary
Lisna Jose	The Extent of Influence of Demonetization on Digital Banking with Special, Reference to Idukki District, Kerala State	Commerce	RESEARCH REVIEW International Journal of Multidisciplinary
Njavallil, Chackochan J	A Case Study on Academic Innovations in Kerala Higher education.	Commerce	International Journal of Research and Analytical Review
Vinitha M.V ,Sinu Susan	A Study on Tourists Inclination to Visit Konni	Commerce	International Journal of Computer

Varghese & Sneha Alex			Sciences and Engineering
Misheal Tomy	Inclination Towards Agripreneurship Among Youngsters- A Study Conducted In Idukki District	Commerce	GE-International Journal of Management Research
Lumy Joseph	A Hybrid Approach to Classify the Learning Style of Learners in an E-learning Environment Authors Lumy Joseph, Sajimon Abraham	Computer Application	International Journal of Management, Technology And Engineering
Abraham, Kochumol and John, Win Mathew	Prediction of stress phenotypes in tea plants using Deep Learning	Computer Application	Journal of Emerging Technologies and Innovative Research (JETIR)
Benymol Jose	Query Performance Analysis in NoSQL and Relational Databases: MongoDB Vs MySQL	Computer Application	International Journal of Computer Sciences and Engineering
Benymol Jose	Analysis of Aggregate Functions in Relational Databases and NoSQL Databases	Computer Application	International Journal of Computer Sciences and Engineering
Benymol Jose	Unstructured Data Mining for Customer Relationship Management: A Survey	Computer Application	International Journal of Management Technology and Engineering
Lumy Joseph	An adaptive learning framework for slow learners in an e-learning environment	Computer Application	International Journal of Computer Sciences and Engineering
Lumy Joseph	Identifying the Learning Path of Online Learners in an Adaptive E-Learning Environment	Computer Application	International Journal of Computer Sciences and Engineering
Thomas, Binu	The Role of Technology and Education in Financial Inclusion--A Data Mining Analysis in a Fuzzy Framework	Computer Application	International Journal on Computer Science and Engineering

Thomas, Binu	Business Applications of Cloud Computing – A Survey	Computer Application	International Journal of Research and Analytical Reviews
Thomas, Binu	A Survey Of Association Rules In Data Mining	Computer Application	International Journal of Research and Analytical Reviews
Sajan N Thomas	Market Study Of The Outbound Incentive Travel From Kerala	Hospitality and Tourism	Intercontinental Journal Of Marketing Research Review
Dr. Jobi Babu	An Analysis on the Factors Contributing to the Sexuality Awareness among Adolescent Boys	Social Work	Educere, BCM Journal of Social Work
Fr. Akhil P Joseph & Dr.Jobi Babu	Substance abuse among high school students: A study with special reference to Elappara grama panchayat, Idukki district, Kerala	Social Work	International Journal of Humanities and Social Science Research
Jobi Babu	Role Of Parents For The Life Skill Development Of Children With Learning Disability	Social Work	International Journal of Humanities and Social Science Research
Jobi Babu	Social And Emotional Maturity Of Children With Behavioural Problems	Social Work	International Journal of Recent Scientific Research
Lijin George	Probing the electric double-layer capacitance in a Keggin-type polyoxometalate ionic liquid gated graphene transistor	Physics	Physical Chemistry Chemical Physics2018
Midhun H	Environment Modulated Crystallization of CuO and CuO Nanowires by Electrospinning and their Charge Storage Properties	Physics	Langmuir
Midhun H	Hydrothermal syntheses of tungsten doped TiO2 and TiO2/WO3 composite using metal oxide precursors for charge storage applications	Physics	Journal of Alloys and Compounds
Midhun H	In situ encapsulation of tin oxide and cobalt oxide composite in porous carbon for high-performance energy storage applications	Physics	Journal of Electroanalytical Chemistry

Sunny Mathew	Defects characterization studies of europium-substituted bismuth ferrite nanocrystals by positron annihilation and other methods	Physics	Journal of Physics D: Applied Physics
Aneesh Mathew	Fe3+-bis-ethylenediamine complex bridged periodic mesoporous organosilica for the efficient removal of arsenate and chromate	Chemistry	Pure and Applied Chemistry
Jincemon Cyriac	Defects characterization studies of europium-substituted bismuth ferrite nanocrystals by positron annihilation and other methods	Physics	Journal of Physics D: Applied Physics
Juby George	Comparison of Leaf Recognition using Multi-layer Perceptron and Support Vector Machine	Computer Applications	International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)

Student Support Provided

During the academic year 2018-19, the number of students who benefited from scholarships and free-ships provided by the Government are 469 and the total amount sanctioned is Rs. 41,91,101 whereas the number of students who benefitted from the institutional scholarship are 388 and the amount dispersed is Rs. 41,93,258.

Student Progression Report

The number of students who benefitted from guidance for competitive examinations and career counselling offered by the institution during this year are 1504, and 334 outgoing students got placements and 25 students got qualified in state/ national/ international level examinations. 30 awards/medals were won by students for outstanding performance in sports / cultural activities at inter-university / state / national/international events and 25 sports and cultural events/competitions were organized by the institution during this academic year.

Alumni Engagement

Marian Alumni Association contributes significantly to the development of the college through financial and other support services. This year we received Rs. 3,24,994 as alumni contribution.

Infrastructure Augmentation

One of the highlights of the college is its excellent infrastructure facilities. During the academic year 2018-19, 33 new computers were purchased and added to the computer lab, and the internet bandwidth available was 400Mbps. There are 51 classrooms and the expenditure spent for augmenting the infrastructure amounts to Rs. 2,85,96,196.00. The expenditure for maintaining physical facilities amounts to Rs. 29,01,821.00 and for academic facilities, it sums upto Rs 25,64,913.00. Rs. 11,89,958.00 was spent during this academic year on the purchase of books/e-books.

Activities Under Innovations and Best Practices

A workshop on 'First aid and CPR training was conducted by Dr Ameen Abdul Gafoor, Asst Surgeon, Taluk hospital, Peermade to allow the students to use mannequins for CPR operation. Also, as part of the efforts to make basic healthcare accessible for all, a free medical camp was conducted by Rev Dr Sr C Rose Mavelikunnel with a team of nurses from Medical Trust Hospital, Mundakayam. They provided basic treatment and general check-up to help people to be aware of their health status.

To equip the students to cope up with the emerging trends and challenges in the field of Fashion Technology, a workshop on 'Fashion Technology' was organized in which the resource person was Ms Harriett Shing, the Designer from Hongkong. Green audit was conducted to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards.

The Extension department of the college took initiative to distribute vegetable seedlings and the students of Marian planted more than 3500 vegetable seeds in our college campus successfully. Also, another 3500 saplings were supplied to the Malanadu Service Society Bank, Elappara.

The bar screen chamber of the sewage treatment plant for separating plastic and other non-decomposable materials from the incoming wastewater is installed on campus. Solar energy panels were set up in the Marian campus during this academic year. The total power requirement of the college per day is computed as 199 KW, of which the Solar Photovoltaic (SPV) System provides nearly 80 KW energy. This amounts to approximately 40% of the total energy requirement.

Conclusion

IQAC is committed to ensure quality in all the initiatives taken up by the college. It acts as a quality sustenance measure and acted as the driving force for conscious, consistent and catalytic improvement in overall performance of Marian. This goal was reflected in all the activities performed during this academic year. IQAC is happy to be instrumental in the various quality initiatives that happened this year.