



KURIAKOSE ELIAS COLLEGE MANNANAM

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Criterion - VI

Governance, Leadership and Management

6.5: Internal Quality Assurance System

6.5.2

Collaborative Quality Initiatives



Collaborative Quality Initiatives

Introduction

Kuriakose Elias College has successfully cultivated a thriving culture of collaboration, harnessing the power of industry-academia partnerships to enrich the learning experience and drive mutual growth. Through the establishment of 29 strategic Memoranda of Understanding (MoUs) with diverse institutions over the past five years, the college has facilitated an impressive 50 collaborative initiatives. This has solidified its position as a beacon of innovation and excellence, demonstrating its commitment to providing a world-class education.

These partnerships have given rise to a wide range of activities that benefit both faculty and students, including:

- Faculty exchange programs, enabling teachers to share knowledge, expertise, and best practices with counterparts from other institutions
- Student exchange initiatives, providing students with opportunities to study abroad, gain new perspectives, and develop cultural competence
- Internships and on-the-job training, giving students hands-on experience in their chosen fields and preparing them for the workforce
- Field projects and research collaborations, enabling students and faculty to work together on real-world problems and develop innovative solutions

By sharing knowledge, expertise, and best practices, teachers and students alike are empowered to:

- Develop new perspectives and insights
- Gain hands-on experience and practical skills
- Tackle real-world problems with innovative solutions
- Foster innovation, entrepreneurship, and creativity

The college's commitment to industry-academia collaborations has far-reaching benefits, including:

- Enhanced academic programs and research capabilities through access to industry expertise, resources, and facilities
- Development of a skilled and industry-ready workforce
- Strengthened reputation as a center of excellence in education and research
- Contribution to the economic and social development of the region



By prioritizing collaboration and mutual growth, Kuriakose Elias College has created a vibrant academic community that benefits all stakeholders involved. This community provides a holistic education that prepares students for success in their chosen careers and makes a positive impact in the world. The college's emphasis on collaboration has created a culture of innovation, entrepreneurship, and creativity, empowering students and faculty to make a difference in society.

MoUs and Collaborative Initiatives

The importance of Memoranda of Understanding (MoUs) and collaborative initiatives cannot be overstated in today's academic landscape. These strategic partnerships play a vital role in enhancing academic programs, promoting research, and fostering skill development. By collaborating with other educational institutions, industries, and research centers, colleges can:

- Enhance academic programs and research capabilities
- Provide exposure to industry expertise and resources
- Offer skill development and practical training
- Facilitate networking opportunities for students and faculty
- Access cutting-edge technology and facilities
- Promote holistic development and well-being initiatives
- Strengthen reputation and credibility
- Contribute to the development of the region

Collaborative Initiatives with educational departments of colleges and universities

Kuriakose Elias College has taken a proactive approach to fostering academic excellence by establishing Memoranda of Understanding (MoUs) with various educational departments of different colleges and universities. These strategic partnerships have paved the way for academic collaborative initiatives, enabling the college to facilitate student exchange programs, promoting cultural diversity and broadening students' perspectives.

The partnerships have also led to the development of joint research projects, encouraging interdisciplinary collaboration and innovation. Resources, expertise, and facilities are shared, enhancing the quality of education and research. Joint conferences, seminars, and workshops are organized, providing platforms for knowledge sharing and networking.

The college has also developed and implemented joint academic programs, offering students a wider range of courses and specializations. Faculty development has been enhanced through joint training and capacity-building initiatives.



These partnerships have created a vibrant academic ecosystem, where students and faculty can engage in collaborative learning, research, and innovation. By leveraging the strengths and expertise of partner institutions, Kuriakose Elias College has enriched the learning experience, preparing students for success in an increasingly interconnected world.

The exchange of knowledge, expertise, and resources has also enabled the college to stay updated with industry trends and best practices, access cutting-edge technology and facilities, develop industry-relevant curriculum and training programs, and foster entrepreneurship and innovation through collaborative projects and initiatives.

Collaborative Initiatives with industries, business firms and research centres

Bridging the gap between academia and industry is a crucial step towards preparing students for the workforce and driving innovation. Kuriakose Elias College has taken a significant stride in this direction by establishing Memoranda of Understanding (MoUs) with a diverse range of business firms, industries, and research centers. This collaboration enables students to gain practical training and enhance their skills, making them industry-ready and equipped to tackle real-world challenges.

Through these partnerships, students have access to cutting-edge technology, industry-specific tools, and expertise, providing them with hands-on experience and exposure to the latest industry trends. This collaboration also facilitates internships, apprenticeships, and project-based learning, allowing students to apply theoretical knowledge in practical settings.

Moreover, the college's partnership with industries and research centers promotes innovation and entrepreneurship. Students are encouraged to develop innovative solutions to industry-specific problems, fostering a culture of creativity and entrepreneurship. This collaboration also enables faculty to engage in industry-relevant research, ensuring that the curriculum remains relevant and up-to-date.

By bridging the gap between academia and industry, Kuriakose Elias College ensures that students are prepared for the workforce, possessing the skills and knowledge required to succeed in their chosen careers. This collaboration also benefits industries, providing them with a pipeline of skilled and knowledgeable professionals, ready to contribute to their organizations.

The partnership also enables the college to:

- Develop industry-relevant curriculum and training programs
- Provide students with exposure to industry-specific challenges and opportunities
- Facilitate knowledge transfer and technology exchange between academia and industry



- Foster innovation and entrepreneurship, driving economic growth and development

By forming MoUs with business firms, industries, and research centers, Kuriakose Elias College has demonstrated its commitment to providing students with a comprehensive education, preparing them for success in their chosen careers, and driving innovation and entrepreneurship.

Collaborative Initiatives with Wellness centres

In recognition of the importance of holistic development, Kuriakose Elias College has proactively collaborated with wellness institutes to provide students with comprehensive well-being programs. These initiatives prioritize students' overall growth and development, acknowledging that academic success is deeply intertwined with emotional, mental, and physical well-being.

Through these collaborations, the college offers holistic development programs that foster emotional intelligence, self-awareness, and resilience. Stress management sessions are also provided, equipping students with coping mechanisms and relaxation techniques. Mindfulness and meditation workshops promote mental clarity and focus, while physical wellness initiatives encourage healthy lifestyles and habits. Counseling services are also available, providing support for students' personal and academic challenges.

By emphasizing well-being, Kuriakose Elias College creates a supportive environment that allows students to thrive. This holistic approach complements academic pursuits, empowering students to develop healthy habits and lifestyles, build resilience and stress management skills, cultivate emotional intelligence and empathy, enhance mental clarity and focus, and achieve overall well-being and happiness.

By prioritizing students' well-being, the college demonstrates its commitment to nurturing responsible, informed, and compassionate individuals, prepared to make a positive impact in the world. The college's dedication to holistic development ensures that students are equipped to succeed not only academically but also personally and professionally.



Dr. Ison V. Vanchipurackal

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List of Functional MoUs, collaborations / linkages

Sl. No	Name of the Institution/Industry with whom the MoU/Linkage is Made	From	To	Nature of the MoU/Linkage
1	Girideepam Business School, Kottayam	24-02-2023	24-02-2026	Exchange of students and faculty for seminars, conferences, training programs, Faculty Development Programmes and conduct of value-added certificate programmes
2	Christ Academy, Kanjirappally	22-02-2023	22-02-2026	Industrial training programmes, skill development training for students, conduct value added certificate programmes
3	MSME- Technology Development Centre, Process & Product Development Centre (PPDC)	13-02-2023	13-01-2024	Conduct various skill development, vocational & job- oriented training programs, arranging resource persons for training, course design
4	Brain, Belief, & Behaviour Lab, Coventry University, CV1 5FB, UK	07-02-2023	-	Research
5	Mahatma Gandhi University, Kottayam	16-01-2023	16-01-2028	Faculty exchange, student exchange, research, conduct of seminars, workshops and Joint scientific publications
6	P Tech Industrial Training Centre (ITC), Ettumanoor	03-11-2022	03-11-2025	Conduct of Assessments and certification on diploma course in Computer Hardware and networking, certificate course in web designing
7	Advanced Centre of Environmental Studies and Sustainable Development (ACCESSD), Mahatma Gandhi University, Kottayam, Kerala	21-10-2022	21-10-2025	Faculty / student exchange and capacity building, student projects and internships, seminars/workshops and research collaborations
8	Civil Service Institute, Palai	10-10-2022	10-10-2023	Training for students and arranging resource persons for training
9	Department of Chemistry St. Michael's College, Cherthala	22-08-2022	22-08-2027	Faculty exchange, student exchange, research, conduct of seminars and workshops





Sl. No	Name of the Institution/Industry with whom the MoU/Linkage is Made	From	To	Nature of the MoU/Linkage
10	Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram	23-05-2022	23-05-2025	Intellectual and infrastructure support for carrying out academic research, general academic exchange and student/faculty exchange
11	St. Thomas College, Palai	15-05-2022	15-05-2027	Faculty exchange, student exchange, research, conduct of seminars/workshops and cultural projects
12	Bishop Kurialacherry College for Women, Amalagiri	15-05-2022	15-05-2027	Faculty exchange, student exchange, research, and conduct of seminars and workshops
13	St. Anthony's College Shillong, Meghalaya	15-05-2022	15-05-2027	Faculty exchange, student exchange, research, promotion of integrated studies, and conduct of seminars and workshops
14	Amal Jyothi College of Engineering, Kanjirappally	26-04-2022	26-04-2024	Collaborative research, Student innovation programmes, IPR related activities, Student visits and discussions and Faculty training programmes
15	Christ College Autonomous, Irinjalakuda	14-04-2022	14-05-2027	Faculty exchange, student exchange, research, conduct of seminars/workshops and cultural projects
16	P G Department of Commerce, Deva Matha College, Kuravilangad	27-10-2021	27-10-2025	Faculty exchange, student exchange, research, conduct of seminars, workshops and Joint scientific publications
17	Rubber Board (Ministry of Commerce and Industry, Government of India)	20-09-2021	20-09-2024	Research, training for students, sharing of infrastructure, conduct joint activities in connection with innovation, entrepreneurship
18	Prof. (Emeritus) Minjoong Yoon, Department of Chemistry, Chungnam National University, S. Korea	05-06-2021	05-06-2026	Research collaboration
19	National Association of Software and Service Companies (NASSCOM)	18-05-2021	18-05-2022	Student assessment and certification



Sl. No	Name of the Institution/Industry with whom the MoU/Linkage is Made	From	To	Nature of the MoU/Linkage
20	Centre for Nano Science and Technology Amal Jyothi College of Engineering, Kanjirapally	16-09-2020	16-09-2025	Research collaboration
21	Logic Software Solutions, Kottayam	23-06-2020	23-06-2022	Industrial training & visits, skill development programmes
22	Regal Bee Gardens, Kanjar, Idukki	22-06-2020	22-06-2025	Skill based training & visits, skill development programmes
23	Santigram Wellness Pvt Lid, Irumbupalam, Adimali, Idukki	12-06-2020	12-06-2022	On the job training, visits and skill Development Programmes
24	St Joseph College of Communication, Media Village Changanassery	12-06-2020	12-06-2022	Training & visits, skill development programmes
25	Department of Biochemistry, NSS College, Pandalam, Pathanamthitta	05-06-2020	05-06-2025	Research Collaboration
26	Sreedhareeyam Farm Herbs India (P) Ltd	26-05-2020	26-05-2022	Industrial training & visits, Skill development programmes, skill development programmes and internship, research
27	Kottaram Sweet House, Kanjirapally	14-05-2020	14-05-2025	On the job training, industrial visit and internship programmes
28	Department of English, Kristu Jyoti College, Chethipuzha	12-11-2019	12-11-2024	Faculty/student exchange Programme, conduct of seminars, workshops, fests
29	Sance Laboratories (P) Ltd, Kozhuvanal, Kottayam	31-10-2019	31-10-2029	Research, training for students, internship

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List of Collaborative Activities

Sl. No	Name of the collaborative activity	Name of the MoU/ Linkage
1	Seminar on 'Logistics Management' in collaboration with Girideepam Business School, Kottayam	MoU Between P G Department of Commerce, Kuriakose Elias College, Mannanam and Girideepam Business School, Kottayam
2	Jointly organised UGC-NSQF certificate course on Communication Skills in English	MoU Between Kuriakose Elias College, Mannanam and Christ Academy, Kanjirappally
3	Orientation class on skill development, entrepreneurship, and self-employment	MoU Between Kuriakose Elias College, Mannanam and MSME- Technology Development Centre, Process & Product development Centre (PPDC)
4	Collaborative project titled "The Effect of Heart-Centred Spiritual Exercises: A Randomised Controlled Trial."	MoU Between Department of Psychology, Kuriakose Elias College and Brain, Belief, & Behaviour Lab, Coventry University, CV1 5FB, UK
5	Visit to the Business Incubation and Innovation Centre (BIIC) and the Innovation Foundation at Mahatma Gandhi University (MGU)	MoU Between Kuriakose Elias College, Mannanam and Mahatma Gandhi University, Kottayam
6	Conducted a certificate course on web designing	MoU Between Kuriakose Elias College, Mannanam and P Tech Industrial Training Centre (ITC), Ettumanoor
7	Collaborative research	MoU Between Kuriakose Elias College, Mannanam and Advanced Centre of Environmental Studies and Sustainable Development (ACESSD), Mahatma Gandhi University, Kottayam, Kerala
8	Orientation and interactive session on civil service examinations	MoU Between Kuriakose Elias College, Mannanam and Civil Service Institute, Palai
9	Organised two-day workshop on "Facets of Research Methodology"	MoU Between Department of Physics, Kuriakose Elias College, Mannanam and Department of Chemistry St. Michael's College, Cherthala
10	Collaborative research work was published in the Journal of Materials Chemistry and Physics (296, 2023, 127255)	MoU Between Department of Physics, Kuriakose Elias College, Mannanam and Department of Chemistry St. Michael's College, Cherthala



11	The UG students of Department of Physics, K. E. College Mannanam carried their research projects at Department of Chemistry, St. Michael's College, Cherthala	MoU Between Department of Physics, Kuriakose Elias College, Mannanam and Department of Chemistry St. Michael's College, Cherthala
12	Analysis of research samples from Kuriakose Elias College Mannanam were carried out at Department of Chemistry, St. Michael's College, Cherthala	MoU Between Department of Physics, Kuriakose Elias College, Mannanam and Department of Chemistry St. Michael's College, Cherthala
13	Dr. Ranjini Radhakrishnan, Assistant Professor, Department of Physics, Kuriakose Elias College, Mannanam has served as a resource person for the three-day National seminar organised by the Department of Chemistry, St. Michael's College, Cherthala.	MoU Between Department of Physics, Kuriakose Elias College, Mannanam and Department of Chemistry St. Michael's College, Cherthala
14	Visit to the Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram	MoU Between Kuriakose Elias College, Mannanam and Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram
15	Jointly organised a seminar on research methodology	MoU Between Kuriakose Elias College, Mannanam and St. Thomas College, Palai
16	Jointly conducted a workshop on research methodology and publication ethics	MoU Between Kuriakose Elias College, Mannanam and St. Thomas College, Palai
17	Collaborative publication-Tom, A. E., Thomas, A., Somakumar, A. K., Kuriakose, L., and Ison, V. V. (2023). Performance enhancement of PbS quantum dot solar cells employing a hybrid solid-state ligand exchange protocol. Thin Solid Films, 787, 140138, https://doi.org/10.1016/j.tsf.2023:140138	MoU Between Kuriakose Elias College, Mannanam and St. Thomas College, Palai
18	Collaborative publication- Kuriakose, L., and Ison, V. V. (2023). On the synthesis of novel AgInZn₂Te₄ quantum dots employing a green route. Nano LIFE, 13(1), 2350001	MoU Between Kuriakose Elias College, Mannanam and St. Thomas College, Palai
19	Students from Kuriakose Elias College, have participated in the Literary Fest "Flary Palooza" conducted by the Department of English, B.K. College for Women	MoU Between Kuriakose Elias College, Mannanam and Bishop Kurialacherry College for Women, Amalagiri
20	Faculty members from B.K. College Amalagiri participated in the online seminar on "Creative Writing, Translation, and Publishing Entrepreneurship" conducted by Kuriakose Elias College	MoU Between Kuriakose Elias College, Mannanam and Bishop Kurialacherry College for Women, Amalagiri
21	Faculty members from B.K. College Amalagiri participated in the Workshop on Research Methodology and Publication Ethics	MoU Between Kuriakose Elias College, Mannanam and Bishop Kurialacherry College for Women, Amalagiri



22	Research collaboration- Studies on the Photoluminescence of Lanthanide doped Bismuth Oxide based Materials: A Short Review, Aji Joseph, Ambili K.S., Jesty Thomas, An International Multidisciplinary Double-Blind Peer-reviewed Research Journal,2022:4(1),ISSN:2582-1962	MoU Between Kuriakose Elias College, Mannanam and Bishop Kurialacherry College for Women, Amalagiri
23	Sr. Aji Joseph, Head & Assistant Professor of Chemistry, B.K.College, Mannanam led a session for undergraduate and postgraduate Chemistry students	MoU Between Kuriakose Elias College, Mannanam and Bishop Kurialacherry College for Women, Amalagiri
24	Jointly organised national webinar on "Research and Publication Ethics in Chemistry.	MoU Between Kuriakose Elias College, Mannanam and St. Anthony's College Shillong, Meghalaya
25	Visit to Startup Valley Technology Business Incubator at Amal Jyothi Engineering College, Kanjirapally	MoU Between Kuriakose Elias College, Mannanam and Amal Jyothi College of Engineering, Kanjirappally
26	Students and faculty members from Kuriakose Elias College participated in the 'Zravs-2023' national conference held at Christ College, Irinjalakuda	MoU Between Kuriakose Elias College, Mannanam and Christ College Autonomous, Irinjalakuda
27	Workshop on data analysis using SPSS	MoU Between P G Department of Commerce, Kuriakose Elias College, Mannanam and P G Department of Commerce, Deva Matha College, Kuravilangad
28	Panel discussion on the union budget 2023	MoU Between P G Department of Commerce, Kuriakose Elias College, Mannanam and P G Department of Commerce, Deva Matha College, Kuravilangad
29	Virtual visit of the Rubber Board Training Institute and Incubation Centre	MoU Between Kuriakose Elias College, Mannanam and Rubber Board (Ministry of Commerce and Industry, Government of India)
30	Mekha Susan Rajan, Anju John, Minjoong Yoon, Jesty Thomas, Zeolite Y-supported carbon-doped TO2 nanocomposites: Efficient solar photocatalysts for the purification of medicinal wastewater Environ. Sci. Pollut.Res. (2023) 30(21), 60638-60653	Research Collaboration Between Dr.Jesty Thomas, Assistant Professor, Department of Chemistry, Kuriakose Elias College, Kerala, India and Prof. (Emeritus) Minjoong Yoon, Department of Chemistry, Chungnam National University, S. Korea
31	Mekha Susan Rajan, Minjoong Yoon, Jesty Thomas Kaolin-graphene carboxyl incorporated TiO2 as efficient visible light active photocatalyst for the degradation of cefuroxime sodium. Photochem Photobiol Sci (2022) 21,509-528	Research Collaboration Between Dr.Jesty Thomas, Assistant Professor, Department of Chemistry, Kuriakose Elias College, Kerala, India and Prof. (Emeritus) Minjoong Yoon, Department of Chemistry, Chungnam National University, S. Korea



32	Jointly offered a certificate course titled "Computer Hardware and Networking."	MoU Between Kuriakose Elias College, Mannanam and National Association of Software and Service Companies (NASSCOM)
33	Research scholar Ms. Anju John (Kuriakose Elias College) and Dr. Jesty Thomas wrote a chapter entitled "Metal Ion Incorporated Metal Oxides for Water Splitting for the book entitled "Photochemical Splitting of Water: Fundamentals to Applications" (Book, published by Elsevier) edited by Dr. Soney George	Research Collaboration Between Research Department of Chemistry Kuriakose Elias College, Mannanam and Centre for Nano Science and Technology Amal Jyothi College of Engineering, Kanjirapally
34	Offered a certificate course on Computer hardware and Networking	MoU Between Kuriakose Elias College, Mannanam and Logic Software Solutions, Kottayam
35	Agri Entrepreneur skill development programme on 'Art of Beekeeping: Apiculture'	MoU Between Kuriakose Elias College, Mannanam and Regal Bee Gardens, Kanjar, Idukki
36	UGC-NSQF-approved diploma course on beekeeping	MoU Between Kuriakose Elias College, Mannanam and Regal Bee Gardens, Kanjar, Idukki
37	Webinar on "Holistic Way of Life: Utilising Universal Phenomena of Magnetism"	MoU Between Kuriakose Elias College, Mannanam and Santigram Wellness Pvt Lid, Santigramam, Irumbupalam
38	Webinar on "Reproductive Health"	MoU Between Kuriakose Elias College, Mannanam and Santigram Wellness Pvt Lid, Santigramam, Irumbupalam
39	Workshop on media production, journalism, and digital communication skills	MoU Between Kuriakose Elias College, Mannanam and St Joseph College of Communication, Media Village Changanassery
40	Orientation Sessions to improve students' public speaking and presentation skills	MoU Between Kuriakose Elias College, Mannanam and St Joseph College of Communication, Media Village Changanassery
41	Guest lectures and seminars	MoU Between Kuriakose Elias College, Mannanam and St Joseph College of Communication, Media Village Changanassery
42	Joint Publication by Dr. Sandhya C., Assistant Professor, Department of Biochemistry, Kuriakose Elias College, Mannanam and Dr. Chithra V., Department of Biochemistry, NSS College, Pandalam	Research Collaboration Between Department of Biochemistry, Kuriakose Elias College, Mannanam and Department of Biochemistry, NSS College, Pandalam, Pathanamthitta



43	Ms. Ashamol Cheriyan, Research Scholar under the guidance of Dr. Jollyamma Mathew, Department of Chemistry, has performed various analyses at Sreedhareeyam Farmherbs Pvt.Ltd, Koothattukulam	MoU Between Kuriakose Elias College, Mannanam and Sreedhareeyam Farm Herbs India (P) Ltd
44	Students and faculty members of Kuriakose Elias College, Mannanam, have conducted an industrial visit to Kottaram Sweet House, Kanjirapally	MoU Between Kuriakose Elias College, Mannanam and Kottaram Sweet House, Kanjirapally
45	Workshop on modern literary theories	MoU Between Department of English, K.E. College, Mannanam and Department of English, Kristu Jyoti College, Chethipuzha
46	Jointly organised a talk exploring the intersection of literature and digital technology	MoU Between Department of English, K.E. College, Mannanam and Department of English, Kristu Jyoti College, Chethipuzha
47	Mr. Cijo Chennelil, Assistant Professor, Department of English, KJC, led the session on Women Writing for third year degree students of K.E College	MoU Between Department of English, K.E. College, Mannanam and Department of English, Kristu Jyoti College, Chethipuzha
48	A joint seminar was held on "Novel trends in polymeric materials: An interdisciplinary approach & Industrial Acquaintance by Sance Laboratories Pvt. Ltd."	MoU Between Department of Chemistry Kuriakose Elias College, Mannanam and Sance Laboratories (P) Ltd, Kozhuvanal, Kottayam
49	Ms. Athira Suvarnakumar of the chemistry department got placed at Sance Laboratories Pvt. Ltdas the Trainee Chemist - Quality Control on 10-11-2020	MoU Between Department of Chemistry Kuriakose Elias College, Mannanam and Sance Laboratories (P) Ltd, Kozhuvanal, Kottayam
50	Students of the chemistry department Ms. Anu K R, and Ms. Honeymol Sebastian, carried out their M.Sc. project at Sance Laboratories Pvt. Ltd during the academic year 2018-2019	MoU Between Department of Chemistry Kuriakose Elias College, Mannanam and Sance Laboratories (P) Ltd, Kozhuvanal, Kottayam

View Reports of Collaborative initiatives


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