




COLLEGE OF ENGINEERING ADOOR
FACULTY PROFILE

1. Personal Details

Name: Jose Mathew	
Designation : Associate Professor in Mechanical Engineering	
Department : Mechanical Engineering	
Ph: +91 9447870068	
Email id: josemathew@cea.ac.in	

Residential Address	Kaniyampadickal, Anakkal P. O, Kanjirappally, Kottayam District - Kerala - 686508
Date of Birth	11 -12 - 1974
Aadhar No	593083106064

2. Areas of Interest

CAD/CAM, Robotics, Finite Element Methods, Machine Design

3. Courses Handled

UG	PG
Design of Machine Elements	Research Methodology
Finite Element Methods	
Engineering Mechanics	
Marketing Management	
Advanced Mechanics of Solids	
Robotics and Automation	
Industrial Engineering	
Operations Research	
Financial Management	
Operations Management	
Advanced Manufacturing Engineering	
Principles of Project Management	



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4. Academic Details (In Reverse Chronological Order)

Degree	Specialization	Name of the Institute/ University	Month and Year of Passing
Ph. D	Manufacturing Engineering	National Institute of Technology, Thiruchirappally	October, 2011
M Tech	Advanced manufacturing Engineering	Karnataka Regional Engineering College, Surathkal, Mangalore University	March, 1999
B Tech	Mechanical Engineering	Govt. Engineering College, Thrissur, Calicut University	November, 1996

5. Experience(In Reverse Chronological Order)

Name of the Institution	Post Held	From	To
College of Engineering, Adoor	Lecturer	27/9/1999	20/7/2007
College of Engineering, Adoor	Associate Professor	21/7/2007	20/8/2010
College of Engineering, Kallooppara	Associate Professor	21/8/2010	14/7/2016
College of Engineering, Adoor	Associate Professor	15/7/2016	To Date

6. Research Publications (Journals and Conferences)

International Journals	
1.	Evaluation of occupational exposure to aerosol emitted from die sinking electrical discharge machining process J Mathew, SP Sivapirakasam, M Surianarayanan International Journal of Environment and Health 4 (1), 1-17
2.	Analysis of aerosol emission and hazard evaluation of electrical discharge machining (EDM) process M Jose, SP Sivapirakasam, M Surianarayanan Industrial health 48 (4), 478-486
3.	Constituent analysis of aerosol generated from die sinking electrical discharge machining process SP Sivapirakasam, J Mathew, M Surianarayanan Process Safety and Environmental Protection 89 (2), 141-150



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4.	Multi-attribute decision making for green electrical discharge machining, SP Sivapirakasam, J Mathew, M Surianarayanan Expert Systems with Applications 38 (7), 8370-8374
5.	Effect of process parameters on the breathing zone concentration of gaseous hydrocarbons—a study of an electrical discharge machining process, SP Sivapirakasam, J Mathew, M Surianarayanan Human and Ecological Risk Assessment: An International Journal 17 (6), 1247-1262
6.	Mathematical modeling of aerosol emission from die sinking electrical discharge machining process SS Paramashivan, J Mathew, S Mahadevan, Applied Mathematical Modelling 36 (4), 1493-150314, 2012
7.	Experimental investigation on manufacturing and environmental aspects of electrical discharge machining process using graphite electrode S Thiyagarajan, SP Sivapirakasam, J Mathew, M Surianarayanan Advanced Materials Research 433, 655-659
8.	Influence of workpiece materials on aerosol emission from die sinking electrical discharge machining process, S Thiyagarajan, SP Sivapirakasam, J Mathew, M Surianarayanan, Process Safety and Environmental Protection 92 (6), 739-749, 8, 2014
9.	Investigation of Environment and Machining Aspects in Electrical Discharge Machining (EDM) Using Different Workpieces and Tool Electrode SP Sivapirakasham, S Thiyagarajan, J Mathew, M Surianarayanan, Applied Mechanics and Materials 592, 2513-2517, 2014
10.	Hazard Identification in Electrical Discharge Machining (EDM) Process Using What-If Analysis SP Sivapirakasham, S Thiyagarajan, P Bineesh, J Mathew, Applied Mechanics and Materials 592, 2508-2512,1,2014
11.	Design and analysis of multilegged robot for environment monitoring, EPRA International Journal of Research & Development (IJRD) Vol. 5 Issue. 11 (November-2020), Jose Mathew, Lissen Sam, Lovin George Mathew, Merin T Edison, Pratibha Rachel John
International Conferences	
1	2 nd International and 33 rd All India Manufacturing Technology Design and Reseach Conference, December, 2008, IIT Madras
2	International conference on Advances in mechanical Engineering, SVNIT, Surat, 3 rd to 5 th August, 2009
National Conferences	
1	Second national Conference on Recent Trends in Mechanical Science, Jayaram College of Engineering and Technology, Tiruchirappalli, 28-4-2008
2	2 nd International and 23 rd All India Manufacturing Technology Design and Research Conference, IIT Madras, December 15-17, 2008
3	International conference on Advances in mechanical Engineering SVNIT, Surat, 3 rd to 5 th August, 2009
4	National Conference in Research Innovations in Thermal and Mechanical Engineering College of Engineering Adoor, 12/1/2017 & 13/1/2017



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7. Books/ Book Chapters Authored

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8. Research/ Funded Projects

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9. Membership in Professional Bodies

1.	Life Member ISTE
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10. FDP/ Conference/ Seminars Co-ordinated

1.	TEQIP II Sponsored Faculty Development Programme on "Engineering Applications of Finite Element Methods" sponsored by TEQIP phase II from 5th December to 9th December 2016, College of Engineering, Adoor
2.	TEQIP-II Sponsored Faculty Development Programme "Innovative Materials for Thermal Energy Storage" Dec 19-23, 2016, College of engineering, Adoor
3.	TEQIP II Sponsored SDP on Advanced Geometric Modeling, 8/2/2007 to 10/2/2007, College of Engineering Adoor.
4.	TEQIP II Sponsored Faculty Development Programme on "New Frontiers in Thermal Characterization of Materials for Energy" February 27- March 03, 2017, College of Engineering, Adoor.

11. FDP/ Conference/ Seminars Attended

1	Total Quality Management, S T J Institute of Technology Ranebennur,24-7-2001 to 5-8-2001.
2	Computer Integrated Manufacturing, Bapuji Institute of Engineering and Technology, 12-8-2002 to 24-8-2002
3	Engineering applications of Design of Experiments and Taguchi Methods, National Institute of Technology, Calicut, 24-11-2003 to 6-12-2003
4	Experimental Methods and Laboratory practices for Mechanical Engineers, TKM College of Engineering, Kollam,16-2-2004 to 28-2-2004



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5	Disaster Mitigation Preparedness and Management, College of Engineering Trivandrum, 4 -10 – 2004 to 15 -10 – 2004
6	Computational Fluid Dynamics, National Institute of Technology, Tiruchirappally, 17-9-2007 & 18-9-2007
7	Metal Forming and Powder Metallurgy, National Institute of Technology, Tiruchirappally, 28-1-2008 to 30-1-2008
8	Motivation Programme for Success, National Institute of Technology, Tiruchirappally, 14-2-2008 & 15-2-2008.
9	Recent Advances in Modeling and Simulation of Joining of Materials. National Institute of Technology, Tiruchirappally, 29-12-2008 to 10-1-2009
10	Orientation course for the programme officers of NSS. Empanelled Training Institute for NSS, Rajagiri College of Social Sciences, Kalamassery, 11/7/2011 to 16/7/2011
11	Recent Trends in Renewable Energy Systems. College of Engineering Adoor. 10-6-2013 to 14-6-2013
12	Introduction to Sustainable Engineering, College of Engineering, Trivandrum, Kerala Technological University, Thiruvananthapuram, 18/6/2015 to 20/6/2015
13	Concepts Coaching, ICT Academy of Kerala, 8/12/2015 to 10/12/2015
14	Planning for Quality Improvement in Technical Education Institutions: Methods and Tools, College of Engineering, Cherthala, 29/1/2016 to 30/1/2016
15	Faculty Development Programme, Teaching Learning Centre, Indian Institute of Technology, IIT Madras, 29-9-2016 to 1-10-2016
16	Mathematics for Engineers, College of Engineering Adoor, 18-1-2017 to 20-1-2017
17	Advanced Optimisation Techniques in Engineering, College of Engineering Adoor, 13-2-2017 to 17-2-2017
18	Accreditation and Outcome Based Education, College of Engineering Adoor, 24-7-2019 to 26-7-2019
19	NBA Accreditation and Teaching - Learning in Engineering (NATE), NPTEL – AICTE, January – April 2020
20	Moodle LMS, Institute of Human Resource Development, 23-6-202 & 24 -6- 2020
21	Advances in welding and joining technologies, NPTEL – AICTE, September - November 2020
22	The Joy of Computing using Python, NPTEL – AICTE, January April 2022
23	Mathematical Modeling Of Manufacturing Processes, NPTEL – AICTE, July – October 2022

12. Invited Lectures Delivered

1	An expert talk on “Research publications” at College of Engineering, Poonjar, on 17/3/2016.
2	Delivered a guest lecture on Mechatronics in Faculty Development Programme at St. Thomas College of Engineering, Kozhuvallur on 18/07/2018.
3	Delivered a lecture on the topic “Human Impact of Robots”, in AICTE sponsored STTP on “Smart materials, Automation and its Future Impact on Humans” Part 1, Sree Buddha College of Engineering,



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	Pattoor, Alappuzha, Kerala, 12 – 17 October, 2020
4	Delivered a lecture on the topic “Future of Robotics and Automation”, in AICTE sponsored STTP on “Smart materials, Automation and its Future Impact on Humans” Part 3, Sree Buddha College of Engineering, Pattoor, Alappuzha, Kerala, 10-16 December, 2020
5	Delivered a lecture on the topic on Challenge to Change in connection with Students Induction Programme of Model Polytechnic College Painavu on 06/10/2021

13. Awards / Achievements

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14. Academic Responsibilities Undertaken

1	Chairman, External Lab Examinations, APJ Abdul Kalam Kerala Technological University
2	Coordinator IQAC, College of Engineering Adoor from 2016
3	Session Chair in National Conference on Recent Advances in Mechanical Engineering, Sree Buddha, College of Engineering, Pattoor, 17/4/2018 to 18/4/2018
4	Reviewer, Project proposal under Engineering and Technology Programme, of KSCSTE
5	Question paper setter for Kerala PSC Examination
6	Head of the Department, Mechanical Engineering, College of Engineering Adoor during the academic year 2020-21

15. Non-Academic Responsibilities Undertaken

1.	Treasurer PTA, College of Engineering Adoor, from 2017
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