



1st International Conference on Recent Trends in Mechanical Engineering (ICRTME-2025)

Hybrid Mode | 28-30 April 2025



About the Institution

The College of Engineering Adoor (CEA), was established in October 1995 under the aegis of the Institute of Human Resource Development (IHRD) Thiruvananthapuram, an autonomous institution fully owned by Govt. of Kerala.



About the Department

The Department of Mechanical Engineering was started in the year 1995. The department offers UG programme of B.Tech. in Mechanical Engineering which is accredited by National Board of Accreditation (NBA).

About the Conference

International Conference on Recent Trends in Mechanical Engineering 2025 (ICRTME-2025) is organized by Department of Mechanical Engineering, College of Engineering, Adoor, Kerala, India on 28th - 30th April 2025. The conference will be a wonderful opportunity for enthusiastic students and research scholars to learn from the experiences and visions of eminent scientists and innovators. The conference is expected to include presentations on the latest research trends highlighting the important achievements and upcoming challenges in the fields pertaining to mechanical engineering. ICRTME-2025 invites original high quality research papers for this conference. We welcome research papers from the following tracks.

- Track1: Materials and Manufacturing Processes.
- Track2: Thermal and Fluid Engineering.
- Track3: Design, Dynamics and Control Systems.
- Track4: Industrial Engineering and Management.
- Track5: Special theme.

The special theme covers emerging and innovative topics in the field of mechanical engineering, like Sustainable Engineering, Industry 4.0, Robotics and Automation, Artificial Intelligence, and Machine Learning. In this conference, authors can choose to present their papers either offline or online. Authors are requested to submit their abstract and the full-

length using the link provided in the conference webpage.

<https://sites.google.com/cea.ac.in/icrtme>

Keynote Speakers



Dr. Sarith P Sathian
Professor, Department of Applied Mechanics and Biomedical Engineering, IIT Madras.



Dr. Kuruvila Joseph, Outstanding Professor, Registrar and Dean (Academics), IIST, Thiruvananthapuram.



Dr. S Suresh, Professor & Head, Department of Mechanical Engineering, NIT Tiruchirappalli.



Dr. Gangadharan K V, Professor, Dean (P&D), Department of Mechanical Engineering, NITK Surathkal.



Dr. Mukund Janardhanan, Head of Engineering Department, University of Warwick, UK.



Dr. Ming-Chang Lu.
Professor, National Taiwan University.

Invited Speakers

Dr. Mohammad H. Yazdi, Senior Lecturer, Mechanical and Industrial Engineering Section, University of Technology and Applied Sciences, Muscat, Oman.

Dr. Sujith Kumar C S, Assistant Professor, Department of Mechanical Engineering, National Institute of Technology, Calicut

Dr. Ajith Krishnan R, Lecturer, Mechanical and Industrial Engineering Section, University of Technology and Applied Sciences, Muscat, Oman.

Dr. Muralikrishnan G M, Computational Scientist, Oak Ridge National Laboratory, Tennessee, USA

Organized by
Department of Mechanical Engineering
College of Engineering Adoor

(Managed by IHRD, a Govt. of Kerala Undertaking)
Manakkala. P.O, Adoor, Pathanamthitta, Kerala, India-691551
www.cea.ac.in



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Dr. Sreehari Sreekumar, Research Associate, Belfast school of Architecture and Be Ulster University, Belfast Campus, UK.

Dr. Gireesh Ramachandran, Principal Specialist, DNV Renewable Certification, Copenhagen, Denmark.

Dr. Jayesh Shanti Bhavan, Lecturer, in Engineering Design, CEES School of Engineering, Coventry University, UK.

Dr. Praveen B Pillai, School of Engineering & Physical Sciences, Heriot-Watt University, Edinburgh Campus, Edinburgh, Scotland, UK.

Ms. Pratibha Rachel John, Development Engineer, Robert Bosch, Germany

Advisory Committee

Dr. Eldho T I, Professor, Department of Civil Engineering, IIT Bombay.

Dr. Ming Chang-Lu, Professor, National Taiwan University.

Dr. Mukund Janardhanan, Head of Engineering Department, University of Warwick, UK.

Dr. C. B. Sobhan, Professor, Department of Material Science and Engineering, NIT Calicut.

Dr. Mohammad H. Yazdi, Senior Lecturer, Mechanical and Industrial Engineering Section, University of Technology and Applied Sciences, Muscat, Oman.

Dr. R. Sridharan, Professor, Department of Mechanical Engineering, NIT Calicut

Dr. S Suresh, Professor & Head, Department of Mechanical Engineering, NIT Tiruchirappalli.

Dr. Eswaramoorthy Muthusamy, Professor, School of Mechanical Engineering, SMVDU Katra, Jammu and Kashmir

Dr. Gangadharan K V, Professor, Dean (P&D), Department of Mechanical Engineering, NITK Surathkal.

Dr. John George, Dean, CoE Adoor

Dr. Sreeja P, HoD, EEE Dept, CoE Adoor

Dr. Vinod P R, HoD, CSE Dept, CoE Adoor

Prof. Rajesh M S, HoD, ECE Dept., CoE Adoor

Prof. Shiji K V, HoD Applied Science Dept., CoE Adoor

Important Deadlines:

Abstract submission: 01-04-2025

Abstract acceptance notification: 02-04-2025

Full Paper Submission: 14-04-2025

Registration opens: 21-03-2025

Registration Ends: 21-04-2025

Registration fee:

• For paper presentation

Industrialists: Indian -Rs.2000, Foreign: \$40

Faculty/PhD scholars: Indian-Rs. 1000, Foreign- \$30

UG/PG students: Indian-Rs 500, Foreign - \$20

• For participation only

Industrialists: Indian -Rs.1000, Foreign: \$30

Faculty/PhD scholars: Indian-Rs. 500, Foreign- \$25

UG/PG students: Indian-Rs 250, Foreign - \$15

For registration & Abstract/Full paper submission, please visit the conference website,

<https://sites.google.com/cea.ac.in/icrtme>

Organizing Committee

Chief Patron

Dr.V.A. Arun Kumar

Director IHRD, Thiruvananthapuram.

Conference Chair

Dr. K Sunil Kumar,

Principal, College of Engineering Adoor

Conference Co-Chair

Dr. Jose Mathew, HoD, ME Dept.

Conference Conveners

Dr. Venkitaraj K P

Dr. Madhu A K

Conference Coordinators

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Prof. Santhosh T

Prof. Arun Kumar C

Prof. Anoop R

Prof. Manuraj R

Prof. Thoufeeq R

Prof. Vishnu V Krishnamurthy

How to reach

Chengannur - Adoor - Manakkala (28.3km),

Kayamkulam - Adoor - Manakkala (29.2km), Kollam -

Manakkala (37.2km), Pathanamthitta - Adoor -

Manakkala (20.2km)



Connect with us

Contact Email: icrtme@cea.ac.in

For further details, contact:

Dr. Venkitaraj K P @9496500422

Dr. Madhu A K @ 9447484345

(Convenors-ICRTME2025)

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