

Q1: When was Model Engineering College (MEC) established?

A1: MEC was established in 1989 and is the first engineering college set up by the Government of Kerala under the Institute of Human Resource Development (IHRD).

Q2: Where is Model Engineering College located?

A2: MEC is located in Thrikkakara, Kochi, Kerala, PIN: 682021.

Q3: Which university is MEC affiliated with?

A3: MEC is affiliated with APJ Abdul Kalam Kerala Technological University.

Q4: What programs does MEC offer?

A4: MEC offers undergraduate, postgraduate, and doctoral programs in various fields of engineering and technology.

Q5: What is unique about MEC's curriculum?

A5: MEC's curriculum is designed to stay updated with the latest trends in technology, with a strong focus on hands-on learning, research, and industry partnerships.

Q6: How experienced is the faculty at MEC?

A6: MEC's faculty consists of experienced educators and many renowned experts in their respective fields, providing students with top-notch education and mentorship.

Q7: How are the placement opportunities at MEC?

A7: MEC has consistently excellent placement records, with many leading companies recruiting students from the campus every year.

Q8: Does MEC provide internship opportunities?

A8: Yes, MEC offers numerous internship opportunities through its strong network of alumni and corporate connections.

Q9: Has MEC received any notable rankings or recognition?

A9: Yes, MEC is the only college from Kerala to feature in the top 50 engineering colleges in India, according to Outlook magazine, ranking 37th.

Q10: What makes MEC stand out among other engineering colleges in Kerala?

A10: MEC is known for its excellent placement records, innovative teaching methods, state-of-the-art infrastructure, and strong industry partnerships.

Q11: What kind of infrastructure and facilities does MEC provide?

A11: MEC offers state-of-the-art infrastructure, including well-equipped laboratories, modern classrooms, and a conducive environment for research and hands-on learning.

Q12: How can I contact MEC for more information?

A12: You can contact the Principal at:

- Email: principal@mec.ac.in
- Phone/Fax: +91-484-2577379

Q1) Is there an ATM available on campus?

A1) Yes, a State Bank of India ATM is available in front of the campus

Q2) What food options are available on campus?

A2) The college cafeteria is open during every working day and is situated inside the campus. It provides delicious food at affordable rates.

Q3) Are counselling services offered in campus?

A3) Free counselling services are provided for students.

Q4) What resources does the college library offer?

A4) The Model Engineering College Library has acquired a good collection of books and journals in the area of Electronics, Computer Science, Biomedical Engineering and related subjects like Science, Mathematics and Management. The library has approximately 27014 volumes of books and 60 journals. Nooks are classified according to Dewey Decimal classification scheme and are catalogued according to Anglo American Cataloguing rules II, with local variation.

Q5) What are the courses offered in MEC?

A5)

What is the proposed timeline?

The timeline for the project begins with the identification of thematic areas during the first two months. In the second to fourth months, specific research actions are planned at the center, while research work groups will be formed during the same period and continue through months three to six. In months five to seven, a research mentoring process will be initiated, extending into months seven to ten. Concurrently, during months seven to ten, websites and other systems for virtual activities will be developed. Following this, months ten to eleven will focus on the creation of research support systems, such as laboratories and computational spaces. Finally, the operations and management team will be established in months eleven to twelve, alongside building infrastructure, facilities design, and implementation.

Who all are the people involved with COE?

People Involved:

- Advisory Board (International, national, local, and industry members).
- Local Governing body with industry members
- Centre Director, Theme Leads/Co-lead, Relations manager (with technical knowledge), Technical Staff, Admin Officer (finances, costing, infrastructure...)
- Core Research Team under Theme Leader
- Permanent Scientists
- Associated members from different colleges/institution
- Joint PhDs, Postdocs associated with the centre International Partnerships
- Technical staff and management

Day 1 Sessions (27 September 2024)

1. Session 1:
 - Time: 09.30 - 11.00 hrs
 - Chair: Prof. Prahlad Vadakkepat
 - Content: Introduction to Workshop and Pre-Workshop Session on Industry 4.0-5.0.
2. Session 2:
 - Time: 11.30 - 13.00 hrs
 - Chair: Prof. Prahlad Vadakkepat
 - Presentations by:
 - Dr. B. Vinod

- Position: Professor and Head, Department of Robotics and Automation Engg., PSG College of Technology, Coimbatore, India
- Email: bvinod@rediffmail.com
- Mr. Francis Reagan
 - Position: Ionic3DP, Chennai
 - Topics: Automation, 3D printing, edge computing
 - Email: regan@ionic3dp.com

3. Session 3:

- Time: 14.00 - 16.15 hrs
- Chair: Dr. B. Vinod
- Presentations by:
 - Mr. Sarin Jacob Sunny
 - Mr. Vimal Govind M.K.
 - Ms. Sheena Nassim
 - Mr. Nitin Gupta

4. Session 4:

- Time: 16.45 - 18.15 hrs
- Chair: Prof. Prahlad Vadakkepat
- Presentations by:
 - Mr. Ullas Kumar
 - Prof. Sethu Vijayakumar
 - Dr. Anoop A.
 - Dr. Rethnaraj Rambabu

5. Session 5:

- Time: 18.45 - 20.00 hrs
- Chair: Dr. Benny Raphael
- Presentations by:
 - Prof. Dr. Teena Hassan
 - Position: Professor of Computer Science and Director of Institute for Artificial Intelligence and Autonomous Systems (A2S), Bonn-Rhein-Sieg University of Applied Sciences, Germany
 - Email: teena.hassan@h-brs.de

- Sally Brammer
 - Position: Coordinator Student Mobility (non EU countries), International Office, Bonn-Rhein-Sieg University of Applied Sciences, Germany
 - Email: sally.brammer@h-brs.de
- Dr. Deepak Padmanabhan
 - Position: Professor, Queens University, Belfast United Kingdom
 - Email: deepakp7@gmail.com

Day 2 Sessions (28 September 2024)

1. Session 6:

- Time: 09.30 – 11.15 hrs
- Chair: Dr. Anoop A.
- Presentations by:
 - Dr. Jithin K. Sreedharan
 - Position: Senior Data Scientist, Core Recommendations Team, The Home Depot, Seattle, US
 - Email: jithin.k.s@gmail.com
 - Dr. Madhu Thalakulam
 - Position: Associate Professor (Physics), IISER, Thiruvananthapuram
 - Email: madhu@iisertvm.ac.in
 - Dr. Benny Raphael
 - Position: Professor and Head, Department of Civil Engineering, Indian Institute of Technology Madras
 - Email: benny@civil.iitm.ac.in

2. Session 7:

- Time: 11.30 – 12.15 hrs
- Chair: Dr. Madhu Thalakulam
- Presentations by:
 - Dr. Sunil Sivadas
 - Position: Practice Lead, NEXT Gen Tech, NEXT Products & Platforms, NCS, Singapore
 - Email: sunil.sivadas@ncs.com.sg

- Dr. Sheela Siddappa
 - Position: Director - Data Science, Kyndryl, Bangalore

3. Session 8:

- Time: 12.15 – 13.30 hrs
- Coordinator: Prof. Prahlad Vadakkepat
- Content: Discussion and Presentation by Participants.

4. Session 9:

- Time: 14.30 – 16.00 hrs
- Closure of Workshop:
 - Welcome: Dr. P.K. Biju, Member Syndicate
 - Presided by: Prof. Saji Gopinath, Hon'ble Vice Chancellor
 - Strategic Plan Presentation for the Centre: Prof. Prahlad Vadakkepat
 - Valedictory Address: Dr. R. Bindu, Hon'ble Minister of Higher Education and Social Justice
 - Felicitations: Various members of the syndicate
 - Vote of Thanks: Dr. A. Praveen, Registrar

1. What is the main focus of this workshop?

The workshop will explore various aspects of Artificial Intelligence (AI) and its applications, focusing on ethics, social good, materials science, robotics, Web 3.0, and translational research.

2. When and where is the workshop being held?

The workshop will take place on 27-28 September 2024 at Model Engineering College Thrikkakara, Ernakulam, Kerala

3. What is the vision of the workshop?

World-class research and innovation centre in AI, ML, Robotics and Automation
Collaborative excellence: state-national-international levels
Advanced modern laboratory and computing facilities
Sustainability at the core
Promote research led teaching in APJ AKTU

4. What are the main themes of the workshop?

The workshop is organized around five key themes:

- AI for Ethics and Social Good
- AI-Based Materials
- Robotics and Intelligent Automation
- Web 3.0
- Translational Research in AI-ML and Robotics-Automation

5. Who can I contact for further inquiries about the workshop?

For any further questions, feel free to reach out to the event organizers at coe.mec@ktu.in

6. Laboratories and Facilities of COE centres

1. High Performance Computing and Data
2. Edge Computing Facility
3. Robotics and Intelligent Automation
4. Central and Safety
5. Collaborative and Administrative Spaces
6. Educational and Outreach Facilities
7. Innovation and Commercialisation Office
8. Building and Sustainability