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## ABOUT PANIMALAR

Panimalar Engineering College (PEC) is located on Bangalore Trunk Road near Poonamallee, Chennai, with road connectivity to Chennai, Kanchipuram, and Thiruvallur districts, and convenient access to Chennai International Airport. The institution is affiliated with Anna University, Chennai, approved by the All India Council for Technical Education (AICTE), New Delhi, and recognized by the University Grants Commission (UGC) under Sections 12(B) and 2(f). PEC was granted autonomous status during the academic year 2020–2021. Since 2006, two-thirds of the eligible programmes have been accredited by the National Board of Accreditation (NBA), New Delhi. The institution was placed in the 51–100 band in the NIRF Innovation Ranking (ARIIA-2023). Over the past five years, the institution has produced 3,130 Scopus-indexed publications with a cumulative Scopus h-index of 75. PEC holds 289 patents, including 46 granted patents. Students have received national-level recognition through competitions such as the Smart India Hackathon and KAVACH 2023 Cyber Security Hackathon. With over 25 years of academic experience, Panimalar Engineering College offers undergraduate, postgraduate, doctoral, and research-oriented education, supported by accreditation, autonomy, and industry collaboration.

## ABOUT THE DEPARTMENT

Established in 2002, the Department of Mechanical Engineering has grown into a vibrant center of excellence offering state-of-the-art laboratories, strong industry collaboration, and quality education. The department is supported by highly qualified and experienced faculty, many of whom hold or pursue PhDs and engage in research areas such as advanced manufacturing, friction stir processing, nanocomposites, alternative fuels, and tribology. Students have consistently excelled with multiple university ranks and gold medals, supported by comprehensive training in technical, soft skills, and career development programs. Value-added courses including CNC programming, CATIA, Piping Software, CFD, SAP, and GATE coaching enhance employability. With an impressive placement record, top recruiters include Yamaha, Ashok Leyland, Mahindra, F.L. Smith, MRF, TCS, Infosys, Wipro, and CTS. The department is NBA-accredited since 2008 and recognized as a Design Academy by ICT Academy of Tamil Nadu.



# PANIMALAR ENGINEERING COLLEGE

An Autonomous Institution  
Affiliated to Anna University, Chennai  
(JAISAKTHI EDUCATIONAL TRUST)



# International Conference on Modern Sustainable Engineering and Technology (ICMSET2026)

15 – 16 MAY, 2026  
(HYBRID MODE)



## PANIMALAR ENGINEERING COLLEGE

Bangalore Trunk Road, Varadharajapuram,  
Poonamallee, Chennai - 600123,  
Tamil Nadu, India.

Conference Website: [www.icmset.co.in](http://www.icmset.co.in)

Institution Website: [www.panimalar.ac.in](http://www.panimalar.ac.in)

## PUBLICATION

ALL ACCEPTED, REGISTERED AND PRESENTED PAPERS WILL BE PUBLISHED IN THE CONFERENCE PROCEEDINGS

PEER REVIEWED ARTICLES WILL BE PUBLISHED IN WOS / SCOPUS / GOOGLE SCHOLAR JOURNALS

PUBLICATION FEE PRESCRIBED BY THE JOURNALS SHOULD BE PAID BY THE PARTICIPANTS

- Journal of Polymer & Composites - ESCI
- International Journal of Engineering Trends and Technology - SCOPUS
- EPJ Web of conferences - SCOPUS

## FOR SUBMISSION



## FOR WEBSITE



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## ABOUT THE CONFERENCE

### Overview

The International Conference on Modern Sustainable Engineering and Technology (ICMSET 2K26) is a global platform that brings together researchers, academicians, industry professionals, and innovators to present and discuss cutting-edge developments in sustainable engineering. The conference focuses on emerging trends in advanced materials, renewable energy, intelligent mobility, automation, and digital technologies that shape the future of modern engineering. ICMSET 2K26 aims to promote interdisciplinary collaboration, foster impactful research, and support technological innovations that contribute to a cleaner, smarter, and more sustainable world.

### Key Tracks

#### 1. SUSTAINABLE MATERIALS, MANUFACTURING & DESIGN

- Advanced composites, hybrid materials & nanomaterials (SDG 9, SDG 12)
- IoT & Cyber-Physical Systems Bio-based, biodegradable and green materials (SDG 12, SDG 13, SDG 15)
- Additive manufacturing & 3D printing for sustainability (SDG 9, SDG 12)
- Sustainable metal forming, machining & welding processes (SDG 9, SDG 12)
- Waste-to-materials, recycling & circular economy strategies (SDG 11, SDG 12, SDG 13)
- Sustainable product design, LCA (Life Cycle Assessment) & eco-design (SDG 9, SDG 12, SDG 13)
- Quality engineering, lean systems & reliability engineering (SDG 8, SDG 9, SDG 12)

#### 2. ENERGY, ENVIRONMENT & CLIMATE TECHNOLOGIES

- Solar, wind, geothermal, bioenergy & ocean energy systems (SDG 7, SDG 13)
- Energy storage: batteries, supercapacitors & hydrogen technologies (SDG 7, SDG 9, SDG 13)
- Thermal systems, heat transfer, solar ponds, PCM & EAHE technologies (SDG 7, SDG 9, SDG 13)
- Net-zero, low-carbon & clean combustion technologies (SDG 7, SDG 9, SDG 13)
- Air pollution control, emission mitigation & sustainable HVAC (SDG 3, SDG 11, SDG 13)
- Climate change modeling, environmental impact assessment (SDG 13, SDG 11)
- Carbon capture, utilization & storage (CCUS) (SDG 9, SDG 12, SDG 13)

#### 3. AUTOMOTIVE, AEROSPACE & INTELLIGENT MOBILITY SYSTEMS

- Electric, hybrid & fuel-cell vehicles; charging infrastructure (SDG 7, SDG 9, SDG 11, SDG 13)
- Vehicle dynamics, NVH, safety systems & lightweight structures (SDG 3, SDG 9, SDG 11)
- Sustainable fuels, IC engine advancements & emission control (SDG 7, SDG 9, SDG 13)
- Autonomous and intelligent vehicle systems (SDG 9, SDG 11)
- Aerospace structures, aerodynamics & propulsion (SDG 9, SDG 13)
- UAVs, drones & autonomous flight systems (SDG 9, SDG 11, SDG 13)
- Marine engineering & smart navigation technologies (SDG 9, SDG 14)

#### 4. ROBOTICS, SUSTAINABLE COMPUTING, AI & DIGITAL ENGINEERING

- Industrial robotics, automation & cyber-physical systems (SDG 8, SDG 9)
- Mechatronic system design, smart sensors & actuators (SDG 9)
- PLC, SCADA, IIoT & predictive maintenance (SDG 9, SDG 12)
- Machine vision, AI-driven inspection & digital twins (SDG 9, SDG 12)
- Big data analytics, ML & computational simulation (FEM/CFD) (SDG 9, SDG 12)
- Industry 4.0, smart manufacturing & digital transformation (SDG 8, SDG 9, SDG 12)
- Cloud/edge computing, blockchain & engineering applications (SDG 9, SDG 12)



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Category	Indian Author	Foreign Author
Student	INR 750	USD 50
Research Scholar	INR 1500	USD 50
Faculty/ Academicians	INR 2000	USD 100
Industry Professional	INR 3000	USD 150