



PRODUCTION ENGINEERING DIVISION BOARD



SRM VALLIAMMAI ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)

APPROVED BY AICTE,

AFFILIATED TO ANNA UNIVERSITY,

ACCREDITED BY NBA, A' GRADE

ACCREDITATION BY NAAC AND

ISO 21001:2018 CERTIFIED INSTITUTION, SRM NAGAR,

KATTANKULATHUR - 603203,

CHENGALPATTU DISTRICT, TAMIL NADU.

Venue

**Admin Block, 2nd Floor, Seminar Hall,
SRM Valliammai Engineering College,
Kattankulathur- 603 203**



ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IE(I) is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. IE(I) has membership strength of above 2.64 lakhs. Established in 1920, with its headquarter Kolkata, IE(I) has served the engineering fraternity close to a century. During this period of time, IE (I) has been inextricably linked with the history of modern-day engineering.

In 1935, IE (I) was incorporated by Royal Charter and remains the only professional body in India which has been accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 124 Centres located across the country and 6 overseas chapters. Besides, IE (I) has bilateral agreements with about 34 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organization (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IE(I) promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, post graduate students and PhD Research Scholars of Engineering Institutions and Universities.

IE (I) has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and provides Grant-in-Aid to UG/PG/PhD students of Engineering institutes and Universities.

IE(I) holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also awards the Professional Engineers (PE) Certification.

IE(I) in collaboration with Springer Nature India Pvt. Ltd regularly publishes SCOPUS indexed, peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

ABOUT TAMIL NADU STATE CENTRE

The Tamil Nadu State Centre was established originally as the Southern India Centre at Chennai on 22nd December 1922. The Southern Region covered the erstwhile Madras, Andhra, Mysore, Hyderabad and Travancore – Cochin. As more centres were opened in the Southern Region, it was renamed as Madras Centre and later became the Tamilnadu State Centre. Tamilnadu State Centre has a special significance in the formation of the Institution; for the IE (I) was registered in 1920 in the then Madras Province at Chennai.

The registered office was subsequently moved to Calcutta the Head Quarters of IE (I). The Chief Guest for the Inaugural Function of the Annual General Session of IE (I) Madras Centre in 1959 was Thiru K Kamaraj, Chief Minister of Tamil Nadu.

The Tamil Nadu State Centre is the most active centre in the country and has been serving the society in general and the engineering community in particular with the said objectives and plays a significant role in dissemination and proliferation of knowledge amongst its members. With a modest membership to start with, the centre has brought into its fold a large section of fraternity with a membership strength of more than 30000 Corporate Members and more than 80000 Non – Corporate Members widening its horizon of technical activities. The centre has established sixteen Local Centres at Neyveli, Madurai, Coimbatore, Tiruchirappalli, Salem, Kalpakkam, Ranipet, Tuticorin, Hosur, Kanyakumari, Tirunelveli, Thiruvallur, Kanchipuram, Thanjavur, Erode and Kattankulathur to serve more professional groups. The major activities of the Division include: Annual National Conventions, Annual & Semi-Annual Paper Meetings, Publication of Journals, Workshops /Seminars and Symposia and Prizes and Awards.

ABOUT SRM VALLIAMMAI ENGINEERING COLLEGE

SRM Valliammai Engineering College (An Autonomous Institution) was found on 9th September, 1999 by Dr.T.R.Paarivendhar a well-known educationalist, in the name of his mother Tmt. R.Valliammai to impart world class education in Engineering and Technology particularly to develop useful manpower with entrepreneurship qualities for industry. It is a self-financed institution run by Valliammai Society. The College is approved by the AICTE, accredited by the NBA, ‘A’ Grade Accreditation by NAAC and affiliated to the Anna University. The institute is offering 11 courses in the Under Graduate (UG) level and 9 courses in the Post Graduate (PG) level. The college has highly qualified, dynamic and dedicated renowned faculty both from academic and industrial background. Besides, the students bring laurels to the college by securing university. It is an ISO 21001:2018 certified institute. 11 departments are recognized as Research Centers by Anna University.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering has started functioning from the year of 2008, offering B.E. degree programme in Mechanical Engineering and M.E.-Industrial Safety Engineering. The annual intake in U.G was 60. The Post Graduate Programme was established in the year 2019-20 in M.E.-Industrial Safety Engineering with the annual intake of 18. Department of Mechanical Engineering is Accredited by National Board of Accreditation (NBA), New Delhi, and recognized as a Research Center by Anna University.

The department has highly qualified and well experienced faculties specialized in areas like Manufacturing Engineering, Engineering Design, Thermal Engineering, CAD/CAM. The Department is well equipped with excellent laboratory facilities with adequate technical supporting staff.

The Department consists of erudite faculty members, who are constantly engaged in undertaking research work of original nature and subsequent publications. Many of the members of the faculty have earned to their credit quite a number of research papers published in the national and international journals of repute.

The department has consistently excelled in academics and placements, producing university rank holders annually. To enrich faculty knowledge and enhance student learning experiences, the department conducts various training programs, faculty development programs (FDPs), workshops, seminars, and value-added courses every semester. Equipped with state-of-the-art laboratories featuring the latest equipment, the department provides students with an excellent learning environment to prepare for dynamic and fulfilling careers in the mechanical engineering domain.

ABOUT THE THEME

Artificial Intelligence (AI) is transforming manufacturing by making production smarter, faster, and more efficient. AI helps industries predict machine failures, improve product quality, and automate production processes. It uses technologies such as machine learning, robotics, computer vision, and the Internet of Things (IoT) to increase productivity and reduce operational costs.

AI-powered smart factories can monitor machines in real time, optimize energy consumption, reduce material waste, and improve worker safety. Digital twins and AI-based analytics help manufacturers test and improve production processes before implementation. AI also supports sustainable manufacturing by improving resource utilization and reducing environmental impact.

This seminar provides a platform for researchers, students, engineers, and industry professionals to explore the latest developments, applications, challenges, and future trends of Artificial Intelligence in Manufacturing. It encourages knowledge sharing and discussions on how AI is shaping the future of intelligent, efficient, and sustainable industrial production.

Seminar Topics :

- Machine Learning in Manufacturing
- AI-Driven Robotics and Automation
- Computer Vision for Quality Inspection
- Smart Factories and Industry 4.0/5.0
- Swarm Intelligence for Production Scheduling and Logistics

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Call for Papers

All interested participants are requested to contribute technical/ research papers and case studies detailing concept, innovation, idea or practical experiences for oral presentation. Each paper should begin with a synopsis of about 200 words and preferably within 3000 words excluding figures, tables and references.

Papers are to be submitted to: ieitamilnadu@gmail.com.

Important Dates:

Submission of Abstract	: 24 th July 2026
Communication of Acceptance of Abstract	: 29 th July 2026
Submission of Full-Length Paper	: 3 rd August 2026

For Guidelines for Submission of Papers scan the QR Code



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Tamil Nadu State Centre
05th August 2026

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