

NATIONAL CONFERENCE ON RECENT TRENDS IN ENGINEERING

NCRTE 2026

25th – 26th November 2026

Sri Jayaram Institute of Engineering and Technology (SJiet)
Elavur, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu, India

ABOUT SJiet

Established in 2014, Sri Jayaram Institute of Engineering and Technology (SJiet) is the flagship engineering institution of Sri Jaya Vignesh Educational Trust. The institution traces its academic journey to the establishment of Sri Jayaram College of Engineering in 2002 under the visionary leadership of eminent industrialist Shri Jayaram Sekar.

With a strong commitment to academic excellence, innovation, research and industry collaboration, SJiet strives to empower students, researchers and professionals to meet the evolving challenges of engineering and technology.

ABOUT NCRTE 2026

The National Conference on Recent Trends in Engineering (NCRTE 2026) is being initiated with the mission of bridging the gap between academia, research and industry.

The conference will bring together researchers, academicians, scientists, industry professionals, research scholars and young engineers to exchange knowledge, present innovative research findings and explore emerging opportunities in engineering and technology.

NCRTE 2026 will feature:

- Plenary and Keynote Lectures
- Online Paper Presentations
- Poster Presentations
- Tutorial Sessions
- Expert Interactions
- Academic–Industry Knowledge Exchange

The conference will provide a platform to discuss state-of-the-art developments, emerging technologies, applications, challenges and future directions across multidisciplinary engineering domains.

BACKGROUND & RATIONALE

Rapid advances in engineering and manufacturing technologies are transforming industries and creating new opportunities for research and innovation.

NCRTE 2026 will focus on innovative technologies, research and development, optimization, productivity, workforce efficiency, sustainability and real-world engineering applications.

Special emphasis will be given to emerging trends in Additive Manufacturing, Advanced Materials, Artificial Intelligence, Data Analytics, Cyber Security, Cloud Computing, Smart Agriculture, Healthcare Engineering and Digital Technologies.

The conference aims to create a collaborative environment where researchers and practitioners can share knowledge, identify research opportunities and develop solutions for future engineering challenges.

AIMS & OBJECTIVES

- Provide a platform for researchers and academicians to present innovative research.
- Promote interaction between academia, industry and R&D organizations.
- Disseminate recent developments in engineering and technology.
- Encourage multidisciplinary research and collaboration.
- Highlight emerging technologies and their engineering applications.
- Provide opportunities for PG students, research scholars and young engineers to exchange ideas.
- Discuss challenges, opportunities and future directions in engineering research.
- Encourage sustainable and technology-driven solutions for societal needs.

CONFERENCE THEMES

Additive Manufacturing & Advanced Materials

- Welding Metallurgy and Additive Manufacturing
- Design for Engineering Applications
- Ceramics, Powders, Composites and Resins
- Structurally Graded Materials – Polymers and Metals
- Lattice Structure Printing
- High Entropy Alloys
- New Material Development for Engineering Applications
- Hybrid Materials and Engineering Applications
- Advanced Modelling and Simulation
- Non-Destructive Testing and Product Quality
- Material Testing and Characterization
- Safety Studies in Engineering
- Environmental and Sustainability Aspects of Additive Manufacturing

Emerging Digital Technologies

- Data Analytics
- Cyber Security
- Generative Artificial Intelligence
- Cloud Computing
- Algorithm Simulation
- Internet of Things (IoT)
- Smart and Intelligent Systems
- Emerging Digital Engineering Applications

Smart Agriculture & Agricultural Engineering

- IoT-Based Smart Irrigation for Water Conservation
- AquaCrop Modelling for Irrigation and Crop-Yield Optimization
- Micro-Irrigation and Water-Use Efficiency
- Remote Sensing and GIS for Agricultural Monitoring
- Climate-Smart Agriculture
- Sustainable Crop Production
- Drone Technology in Agriculture
- Artificial Intelligence in Agriculture
- Smart Farming and Precision Agriculture

Healthcare & Biomedical Engineering

- Emerging Technologies and Human Health Solutions
- Artificial Intelligence in Medicine
- 3D Bioprinting
- Neural Engineering
- Healthcare Engineering
- Digital Health Revolution
- Intelligent Healthcare
- Medical and Nanotechnology
- Biomaterials
- Neuroprosthetics
- Biomedical Applications of Advanced Manufacturing

WHO SHOULD ATTEND?

- Faculty Members
- Research Scholars
- Postgraduate Students
- Scientists
- Technical Officers
- Engineers
- Industry Professionals
- R&D Professionals
- Academicians
- Young Researchers
- Technology Professionals

Researchers and professionals working in Additive Manufacturing and its applications, as well as related multidisciplinary engineering domains, are especially encouraged to participate.

CALL FOR PAPERS

Authors are invited to submit an abstract of 200–300 words on topics relevant to the conference themes.

Selected papers will undergo a peer-review process. Selected full papers are proposed for publication in Scopus-indexed journals / book chapters, subject to the policies and acceptance criteria of the respective publication venues.

Paper submission guidelines and manuscript preparation instructions will be communicated to authors through e-mail / the conference website.

E-mail : ncrte.sjiet@gmail.com

Important Dates at a Glance

Event Milestone	Date
Abstract Submission Deadline	01 September 2026
Intimation of Abstract Acceptance	10 September 2026
Full Paper Submission	02 October 2026
Intimation of Full Paper Acceptance	05 October 2026
Registration Deadline	25 October 2026
Conference Dates	25–26 November 2026

REGISTRATION FEE

Delegate Category	Registration Fee
Research Scholars / Students	₹300
Academic Delegates – Faculty, PDF & Public Sector R&D	₹500
Non-Academic / Industry Delegates	₹1,000

Mode of Payment: Payment details, including the GPay number, will be provided to authors/delegates of selected papers.

KEYNOTE SPEAKERS

Keynote lectures will be delivered by experts from reputed academic, research and industrial organizations in the fields of Additive Manufacturing, Advanced Engineering and Emerging Technologies.

COMMITTEES

National & International Advisory Committee

- Dr. P. Gurusamy – Professor, Chennai Institute of Technology, Kundrathur, Chennai
- Dr. Dhandapaini S. – Professor, Department of Mechanical Engineering, Rajalakshmi Engineering College, Thandalam, Chennai
- Dr. Muthukumaran Pakirisamy – Professor, Mechanical, Industrial and Aerospace Engineering, Concordia Institute of Aerospace Design and Innovation, Concordia
- Prof. Sivakumar Narayanasamy – Professor, Mechanical, Industrial and Aerospace Engineering, Concordia Institute of Aerospace Design and Innovation, Concordia
- Dr. Kannan Govindan – Department of Technology and Innovation, University of Southern Denmark, Denmark
- Dr. Joel Anderson – Professor, Materials Science, University of West, Sweden
- Dr. Srikanth Joshi – Professor, Additive Manufacturing and Surface Engineering, University of West, Sweden
- Dr. Senthil Kumar – Department of Manufacturing, National University of Singapore, Singapore
- Dr. N. Sivashanmugam – Professor, Department of Manufacturing, NIT Trichy
- Dr. Mugandiran – Professor, MIT, Anna University, Chennai
- Dr. R. Velmurugan – Department of Aerospace Engineering, IIT Madras, Chennai
- Dr. Arunachalam – Department of Manufacturing Engineering, IIT Madras, Chennai
- Dr. E. Vijayaragavan – Assistant Professor, Department of Mechanical Engineering, SRM Institute of Science and Technology, Kattankulathur
- Dr. M. Kamaraj – Associate Professor, Department of Mechanical Engineering, SRM Institute of Science and Technology, Kattankulathur
- Dr. R. Srinivasan – Department of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore

Organizing Committee – SJJET, Gummidipoondi

- DEVANANDHINI M – Assistant Professor
- SANDHIYA J – Assistant Professor
- KALPANA S – Assistant Professor
- SWETHA B – Assistant Professor
- PERIYASAMY K – Assistant Professor
- THILUKKUMAR M R – Assistant Professor
- ANANDHI A – Assistant Professor
- BAKKIYARAJ S – Assistant Professor
- RAMANAN N – Assistant Professor
- SOLAIMALAI V T – Assistant Professor
- HEMALATHA – Assistant Professor
- MEENA B G – Assistant Professor
- LAVANYA R – Assistant Professor
- SUJIN G C – Assistant Professor

VENUE & TRAVEL INFORMATION

Venue Address: Sri Jayaram Institute of Engineering and Technology (SJJET)

Elavur, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu, India

Nearest Railway Station: Elavur Railway Station – approximately 10 km from the institution.

CONTACT

THIRUVENKADAM P

Organizing Secretary & Institution In-charge

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Present your research. Share your ideas. Connect with experts. Explore emerging technologies.

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