



**1st International Conference
On
Smart Things in Mechanical
and
Manufacturing Systems
(ICSTMMS'26)**

March 27th-28th, 2026

**Organized by
Department of Mechanical Engineering**

**Convener
Dr. P. Pitchipoo
Professor/Mechanical**



P.S.R. ENGINEERING COLLEGE

An Autonomous Institution,
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai.
Accredited by NBA & NAAC with A+ Grade, and Listed under
section 2(f) & 12(B) of UGC Act, 1956
An ISO 9001:2015 Certified Institution
Phone: 04562 - 239091/92
Email: icstmms2026@gmail.com

ABOUT OUR INSTITUTION

P.S.R. Engineering College was established in 1999 by the P.S.Ramasamy Telugu Minority Educational and Charitable Trust with the objective of imparting quality technical education in the rural part of South Tamil Nadu. The College is currently celebrating its Silver Jubilee year. It is an Autonomous Institution affiliated to Anna University, Chennai, offering 9 undergraduate and 5 postgraduate programs in Engineering, as well as an MBA Program. The College holds accreditation from NAAC with an A+ Grade. Additionally, five of its programs are accredited by NBA under Tier-I. Seven departments of the College offer Ph.D. programs under Anna University. 50 candidates have completed Ph.D. degrees from the College, while more than 88 candidates are currently pursuing Ph.D. The College has been granted 18 patents and has filed more than 120 patent applications.

ABOUT OUR DEPARTMENT

The Mechanical Engineering Department was established in the year 2005 with an intake of 60 students. The Department also offers a PG Program in Engineering Design with the sanctioned intake of 18. Both UG and PG programmes are permanently affiliated to Anna University, Chennai. The department has been recognized as a research centre by Anna University, Chennai for offering PhD programme in Mechanical Engineering. The department has modern state-of-the-art facilities and well-experienced faculty members with expertise over a wide range of domain specialization. UG Mechanical Engineering Programme has been accredited by NBA under Tier 1 category. The department is continuously growing in terms of academic, placements, co-curricular, extracurricular activities, projects and consultancy activities. The Department aims to attain excellence in academic teaching and learning, research and extension activities. The areas of research focus include manufacturing, materials, design, and thermal engineering.

ABOUT THE CONFERENCE

The objective of this conference is to provide a high quality platform to present and discuss smart things in mechanical and manufacturing systems. ICSTMMS'26 conference aims to provide engineers, industry experts, researchers working in academic institutes and students, a forum to share their research experiences and also their innovative ideas. This conference will include keynote lectures by prominent speakers from reputed organizations as well as technical sessions

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CALL FOR PAPERS

SMART MANUFACTURING

- o INDUSTRY 4.0 AND ITS APPLICATIONS
- o DIGITAL TWINS IN MANUFACTURING
- o PREDICTIVE MAINTENANCE USING AI AND IOT

ADVANCED MATERIALS

- o SMART MATERIALS AND STRUCTURES
- o NANOMATERIALS IN MANUFACTURING
- o BIODEGRADABLE MATERIALS FOR SUSTAINABLE MANUFACTURING

ROBOTICS AND AUTOMATION

- o AUTONOMOUS SYSTEMS IN MANUFACTURING
- o COLLABORATIVE ROBOTS (COBOTS)
- o INTELLIGENT CONTROL SYSTEMS

ENERGY-EFFICIENT SYSTEMS

- o RENEWABLE ENERGY INTEGRATION IN MANUFACTURING
- o ENERGY MANAGEMENT IN SMART FACTORIES
- o SUSTAINABLE MANUFACTURING PROCESSES

ADDITIVE MANUFACTURING

- o 3D PRINTING TECHNOLOGIES AND INNOVATIONS
- o MATERIAL DEVELOPMENT FOR ADDITIVE MANUFACTURING
- o APPLICATIONS OF ADDITIVE MANUFACTURING IN AEROSPACE AND AUTOMOTIVE INDUSTRIES

SUPPLY CHAIN AND LOGISTICS

- o SMART SUPPLY CHAIN MANAGEMENT
- o BLOCK CHAIN FOR SECURE MANUFACTURING PROCESSES
- o AI AND MACHINE LEARNING IN LOGISTICS

MECHANICAL DESIGN AND SIMULATION

- o CAD/CAM/CAE INNOVATIONS
- o SMART DESIGN FOR MANUFACTURING (DFM)
- o FINITE ELEMENT ANALYSIS (FEA) IN SMART SYSTEMS

CYBERSECURITY IN MANUFACTURING

- o SECURING INDUSTRIAL IOT SYSTEMS
- o DATA PRIVACY AND PROTECTION IN SMART MANUFACTURING
- o THREAT DETECTION AND RESPONSE MECHANISMS

BIOMIMICRY IN MECHANICAL DESIGN

- o NATURE-INSPIRED MATERIALS AND STRUCTURES
- o BIOMIMETIC APPROACHES TO ENERGY EFFICIENCY
- o BIOINSPIRED ROBOTICS AND AUTOMATION SOLUTIONS

HUMAN-MACHINE INTERACTION

- o USER-CENTRIC DESIGN OF SMART MANUFACTURING SYSTEMS
- o ERGONOMICS IN AUTOMATED MANUFACTURING ENVIRONMENTS
- o AUGMENTED REALITY FOR ENHANCED HUMAN-MACHINE COLLABORATION

INSTRUCTIONS TO AUTHORS

Papers published earlier in any forum, should not be submitted. Full papers, not exceeding 8 pages in IEEE single column format only in MS word, should be sent to the organizing secretaries, (icstmms2026@gmail.com). The e-mail should contain name and complete affiliation of each author including e-mail address and contact numbers. All submitted papers will be reviewed on the basis of relevance, originality and significance. Each paper will be reviewed by experts in the relevant area. Accepted papers will be intimated to the authors concerned and then, they will be allowed to register for presenting their papers in ICSTMMS'26 as per the program schedule. At least one author of every selected paper must register before the deadline for the paper to be included in the conference proceedings. Only registered authors will be permitted for presentation.

IMPORTANT DATES

Last date for submission : 16-03-2026
Notification of acceptance : 20-03-2026
Last date for Registration : 22-03-2026
Date of Conference : 27-03-2026 & 28-03-2026

PROCEEDINGS

- All the accepted and presented papers will be published in Scopus/Web of Science indexed conference proceedings.
- Selected papers will be published in Journal Materials Today : proceedings

Registration fee is to be paid in the form of DD
in favour of
“Mechanical Engineering Association”
P.S.R. Engineering College Payable at Sivakasi
(cancellation of registration is not permitted)

FOR FURTHER INFORMATION

PLEASE CONTACT :
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REGISTRATION FEE

CATEGORY	FEES
STUDENTS (UG/PG)	: 800
RESEARCH SCHOLARS	: 1000
FACULTY MEMBERS	: 1200
INDUSTRY DELEGATES	: 2000

HOW TO REACH

The college is situated in Sevalpatti hardly 22 kms from Sankarankovil, 24 kms from Sivakasi, 25kms Kovilpatti
Nearest Bus Station : Thiruvengadam
Nearest Railway Station : Sivakasi

Nearest Airport

Madurai domestic airport (106kms)
Thoothukudi domestic airport (103kms)

