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**Mr. P. Vinoth**  
Assistant Professor, Civil

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**Dr. N. Rajeswari** **Dr. G. Gopala Rama Subramaiyan**  
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### Organizing Committee :

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Assistant Professor, Mech Assistant Professor, Mech

**Ms. R. Anjughap Priya** **Ms. P. Poornima**  
Assistant Professor, Civil Assistant Professor, Civil

## Important Dates

Last Date for Abstract Submission : 10.05.2025

Intimation of Acceptance : 15.05.2025

Last Date for Registration : 25.05.2025

## For Payment

Name of the Account Holder : Lakshmi Saraswathi Educational Trust

Account Number : 780468796

IFSC Code : IDIB0005182

### Organizing Chair :

**Dr. K. Purushothaman**  
Professor and COE

**Dr. M. Chinnapandian**  
Professor R & D

### Convener :

**Dr. A. Shadrach Jeya Sekaran**  
Professor & Head, Mech

### For Registration :



### Follow us on



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The Conference  
is in  
Online Mode



# St. PETER'S

COLLEGE OF ENGINEERING AND TECHNOLOGY  
(An Autonomous Institution)  
Avadi, Chennai, Tamilnadu - 600054.  
Affiliated to Anna University | Approved by AICTE



📅 29.05.2025

2<sup>nd</sup> International Conference on

Frontiers in Materials,  
Analysis and Manufacturing  
(ICFMAM-2025)

Jointly Organized by

Department of  
Mechanical &  
Civil Engineering

## ABOUT THE INSTITUTION

St. Peter's College of Engineering and Technology is a co-educational college established by Lakshmi Saraswathi Educational Trust in the year 2008. The college aims to impart training to students to develop their intellectual powers, identify and cultivate interest, and train them to become responsible and eminent citizens of India. The institution is spread over a sprawling campus with its calm surrounding, creating a study atmosphere. The invigorative and serene milieu of the institution is conducive for higher education. Our college is accredited by NAAC with A+ and is an ISO 9001:2015 certified unit. We have 43 university ranks to our credit

## ABOUT CONFERENCE

St. Peter's College of Engineering and Technology is happy to announce the International Conference on Frontiers in Materials, Analysis and Manufacturing (ICFMAM 2025) which will be held during 29<sup>th</sup> May 2025 through online mode. The aim of the ICFMAM 2025 is to create a platform and facilitate knowledge sharing on advances in Materials, Characterization, Analysis & Smart and Sustainable Manufacturing for distinguished academicians, practitioners and researchers from academia and industry

## OBJECTIVE

The ICFMAM 2025 (International Conference on Frontiers in Materials, Analysis, and Manufacturing) aims to:

- Provide a platform for international researchers to share their new findings and innovative applications in Materials, Analysis, and Advanced Manufacturing with peers.
- Facilitate networking among leading academicians, scientists, researchers, engineers, and industry professionals to foster collaborative research

## CALL FOR PAPERS

ICFMAM - 2025 invites original contribution from different tracks given below, but it is not limited too

### Mechanical Engineering:

- Computational Fluid Dynamics
- Life Cycle Design of Products
- Design for Manufacturing and Assembly
- PDM, PLM, Collaborative Product Design
- Modeling of Systems and Processes
- FE/FD/FV techniques o CAD/CAM/CAE/FMS/CIMS
- Reverse Engineering/RPT/3D Printing
- Condition Monitoring
- Composites
- Automation and Robotics
- Applications of Soft Computing Techniques
- IC Engines and Alternate fuels
- Refrigeration and Air-conditioning
- Turbo Machines
- Fluid Power Engineering
- Renewable Energy Sources
- Computational Heat and Mass Transfer
- Heat Power Engineering
- Industrial Engineering
- Operations Management
- Logistics and SCM
- Optimization Methods
- Safety, Quality and Reliability
- Advanced Metal Forming
- Laser, Welding & Casting techniques
- Macro/Meso/Micro/Nano-Machining
- Materials Processing and Characterization
- Surface Engineering
- Manufacturing Management/Automation
- Computer Aided Metrology
- Machine Vision & Precision Engineering
- Sustainable Engineering
- Mechatronics, MEMS, NEMS
- Manufacturing system and simulation

### Civil Engineering:

- Modern Construction Materials
- Utilization of Waste in Construction
- Rapid transit system
- Composite construction Materials
- Disaster resisting solutions
- Automation in construction industry
- Sustainable building technology
- Intelligent Buildings/Sustainable City Planning/ IT and Modern Buildings
- Ground improvement Techniques
- Modern Construction Materials and Techniques
- Advance Construction Techniques
- Solid waste management
- Nuclear waste management
- Advances in the Fundamentals of Water Science and Engineering
- Concepts in smart cities
- Special economic zone (SEZ)
- Design of multimodal Integrated transportation services

### Publication Details

- All the accepted paper will be published with ISBN number in the conference proceeding
- Extended papers will be recommended for inclusion in Scopus-Indexed/UGC care journals/Book Chapter subjected to meeting the scope, quality and financial requirement of the journal

### Registration :

**The registration fee per participant is Rs. 500 to be paid along with registration form .The registration fee covers Conference Proceedings.**