

Important Dates

Registration Starts : 21-06-2019
Registration Ends : 10-08-2019
Intimation to Participants : 15-08-2019

Registration Fee Details

Research Scholars
Academicians
Industry / R&D

} : Rs. 500/-

Registration Fee Payment Mode

Registration fees should be paid as DD drawn in favour of:

"Principal,
St. Peter's College of Engineering and Technology"

payable at Chennai
or

by NEFT/Online transfer as mentioned below:

Bank Name :

INDIAN BANK, St Peter's Engineering College, Avadi, Chennai

IFS Code :

IDIB000S182

Account Name:

R and D, St Peter's College of Engineering and Technology, Chennai

Account No. :

875357239

Our Partners



Chief Patrons:

Dr. T. Banumathy

Dr. T. Lasya

Patron:

Dr. S. Selvan

Workshop Chair:

Dr. K. Purushothaman

Conveners:

Dr. A. Shadrach Jeya Sekaran

Mr. N. Nagabhooshanam

Program Committee:

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Mr. M.V. Manivannan

Mr. S. Abilash

Mr. A.P. Arun Pravin

Mr. D. Sathiyamoorthy

Mr. R. Nishanth

Mr. M. Kamal

Address for Communication

Dr. A. Shadrach Jeya Sekaran &

Mr. N. Nagabhooshanam

Conveners,

Department of Mechanical Engineering,

St.Peter's College of

Engineering and Technology

Avadi, Chennai - 600 054.

TamilNadu, India.

Mobile : 9566299886, 9489657105,

9444693784

Email: workshopmech2019@gmail.com

Two Days National Workshop
on

Hands on Training on
"Composite Pre-form Formation
Techniques and its Characterization
for General Engineering,
Armour and Aerospace Applications"

30th & 31st August 2019

Sponsored by



Organized by



Department of Mechanical Engineering

**St.Peter's College of
Engineering and Technology**

(Affiliated to Anna University, Approved by AICTE

Accredited by NAAC 'A' Grade,

An ISO 9001:2015 certified Institution)

Avadi, Chennai - 600 054.

Tamilnadu, India.

Phone : 044-2655 8091

Email: info@spcet.ac.in

Website: www.spcet.ac.in

About the Institution

St. Peter's college of Engineering and Technology (SPCET), Chennai a self-financing Institution is approved by the AICTE, New Delhi, Affiliated to Anna University, Chennai and Accredited by NAAC with 'A' grade. The college was established by Lakshmi Saraswathi Educational Trust in the year 2008. The Institution is spread over a sprawling campus with its calm surrounding thus creating a serene atmosphere. The main objective of SPCET is to impart technical knowledge and to train the students for developing their intellectual powers and entrepreneurial skills. cultivate them to become responsible citizens of our Nation. It offers 10 UG and 3 PG Programmes which are mentioned below.

B.E.Aeronautical Engineering
B.E.Civil Engineering
B.E.Computer Science and Engineering
B.E.Electronics and Communication Engg.
B.E.Electrical and Electronics Engineering
B.E.Mechanical Engineering
B.Tech.Information Technology
B.Tech Bio-Technology
B.Tech Chemical Engineering
B.Arch. Architecture
M.E. Computer Science and Engineering
M.E. Structural Engineering
Master of Business Administration

About the Department

The Department of Mechanical Engineering was established in the year 2008-2009 with the basic objective of providing a quality learning environment, in terms of inspiring teachers, state-of-the-art facilities, experience sharing and widening the knowledge, interacting with experts from academia and industry, facilitating the student in the process of growth in the Mechanical Engineering field. Right from its inception, the department has been offering well-built infrastructural facilities with different technical platforms for grooming professional students to meet the persistent demands of the Industries.

About the Workshop

Introduction

Composite materials have large scale commercial applications in marine applications, aerospace, automotive, marine, sporting goods, infrastructure, energy storage, biomedical etc. In the recent years, the development of new and improved composites manufacturing processes has caused unlimited product development opportunities. The subject of manufacturing will be dealt within the frame work of composite materials. The design portion includes an explanation of the concepts involved in the detailed design analysis of composites. Concepts of mechanics needed to translate into a mathematical representation of the physical reality through boundary value problems by using commercial Finite Element Analysis software. Participants will be able to extend the capabilities of ANSYS by use of ANSYS Parametric Design Language (APDL). This course will cover the manufacturing and product development knowledge related to composites.

Objective

Expose the participants to the concept of composite materials and their applications.
Introduce various manufacturing techniques pertaining to composite materials.
Discuss various testing and characterization techniques for composites.

Course Content

Introduction to Composite Materials: Basics and Fundamentals.
Materials used in Composites .
Engineering applications of Composite Materials.
Manufacturing techniques for Polymer Matrix Composites, Metal Matrix Composites and Ceramic Matrix Composites .
Testing and Characterization of Composites.
Mechanics of Composite Materials.

* Hands on training on preparation of Natural fibre Composites using Hand Layup Technique

* Live demonstration on Preparation of Metal Matrix Composites using Bottom Pouring Type Stir Casting Machine:

* Resource persons are from IITs, IISc & DRDO

Registration Form

Interested participants can fill and send the following form via email to workshopmech2019@gmail.com

Two Days National Workshop
on
"Hands on Training in Composite Pre-form
Formation Techniques and its
Characterization for General Engineering,
Armour and Aerospace Applications"

30th & 31st August 2019

Name:

Designation:

Organization:

Address for Communication:

Email ID:

Phone No:

DD No:

Date:

Bank Name:

NEFT Transaction No / Tracking ID:

Amount:

Signature of the Applicant

(or)

Scan QR code to fill and send form online.



<https://forms.gle/2rJsCqVEyqJznwJL6>