

About the Institution

St. Joseph's College of Engineering established in the year 1994, celebrating its silver jubilee this year and ranks among the top Engineering Colleges in Tamil Nadu affiliated to Anna University, Chennai. All the departments of our College have been accredited by the National Board of Accreditation, New Delhi and certified with A+ by NAAC. Our college is among the top 100 educational institutions ranked by NIRF. Every year a large number of students from our college win accolades at the National and International events. They win awards for their projects and prizes in cultural and sports achievements besides securing many University Ranks. Many of our students get placements in top notch organizations besides securing admissions in world class Universities in India and abroad. The college has provided enormous support and perpetually encourages all our endeavors.

About the Departments

Our department had a very modest beginning with 40 students and 10 faculty members in the year 1998. Now, we have an annual intake of 180 students and 37 faculty members are rendering their services. We also conduct a post graduate program in Manufacturing Engineering. Our department has been accredited by NBA. Our department being a research centre, having 10 Doctorates and state of the art laboratories to support research, many research scholars across the state showed interest to pursue their PhDs under our mentorship. The collaborative activities like consultancy services, projects, internships and workshops with the industries help our department to progress every day. Our students are well placed in reputable industries throughout the country and abroad. Many of the students are pursuing their higher studies in prestigious institutions in India and abroad (Singapore, Germany, Sweden, USA, UK etc.).

Programme Objectives

- ❖ To acquire the knowledge about smart materials
- ❖ To know the application of smart materials.
- ❖ To understand the use of Smart Material in aerospace.
- ❖ To be aware the use of smart materials in medical field.

Course Coverage

The following topics will be covered:

- ❖ Smart material Introduction
- ❖ Types of smart materials
- ❖ Why Smart Materials?
- ❖ Advances in smart materials
- ❖ Bioinspired Smart materials and system
- ❖ Features of smart material
- ❖ Role of piezo electric material in aerospace
- ❖ Applications of smart & composite materials
- ❖ Smart materials for the 21st century
- ❖ Smart system using smart materials
- ❖ Smart material evolution of intelligence
- ❖ Applications of piezo sensors – A review
- ❖ Applications of shape memory technology in civil structures
- ❖ Smart polymers in advanced regenerative medicine application



DST (SERB) SPONSORED
TWO DAYS NATIONAL
SEMINAR ON



ROLE OF SMART MATERIALS IN AEROSPACE AND ENGINEERING APPLICATIONS

16.12.2019 to 17.12.2019

Registration form

Name :

Gender : MALE/ FEMALE

Qualification :

Designation :

Department :

Institution :

Address for Communication:

.....

..... PIN.....

E-mail :

Phone (Off.) :

Mobile No. :

Accommodation required? : YES / NO

Mode of Payment : DD / NEFT No.....

Declaration

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of programme.

Date: Signature of the Applicant

Sponsorship certificate

Mr/Ms/Dr..... is an employee of our Institute and is hereby sponsored by us. He/She will be permitted to attend the course, if selected.

Signature with seal of Head of the Institution/organization

Organizing Committee

Chief Patron **Dr.B.Babu Manoharan, M.A.,M.B.A.,Ph.D.**

Chairman
St. Joseph's Group of Institutions

Patrons

Mrs. S. Jessie Priya, M.Com.

Managing Director
St. Joseph's Group of Institutions

Mr. B. Shashi Sekar, M.Sc.

Director
St. Joseph's Group of Institutions

Chairs

Dr.Vaddi Seshagiri Rao, M.E.,M.B.A., Ph.D.

Principal
St. Joseph's College of Engineering

Dr.B. Parvatha Varthini, M.E.,M.B.A., Ph.D.

Dean
St. Joseph's College of Engineering

Co-Chairs

Dr. S. Arivazhagan, M.E., Ph.D.

Professor & Head – Lab. Affairs
Department of Mechanical Engineering

Dr. N.Arunkumar, M.E., Ph.D

Professor & Head – Student Affairs
Department of Mechanical Engineering

Convenor

Dr. K. M. Kumar, M.E., Ph.D.

Associate Professor
Department of Mechanical Engineering

Coordinator

Dr. R. Selvam, M.E., Ph.D.

Professor
Department of Mechanical Engineering

Important Dates

Submission of Application : 27.11.19

Intimation of Selection :28.11.19

Confirmation by Participant : 29.11.19

Who can Attend

Faculty members working in Polytechnics, Engineering, Arts and Science Colleges.

Registration

Registration Fee: Rs.500

Payment can be made in the form of DD / NEFT in favour of, "St. Joseph's College of Engineering" payable at Chennai.

NEFT Details

Bank : Indian Bank
Branch : Jeppiaar Engineering College
A/C Name : St. Joseph's College of Engineering
A/C No. : 705270386
IFSC Code : IDIB000J037

The Registration fee includes materials, certificate, lunch, and refreshments. The number of seat is limited and the participants will be selected first come first serve basis.

Accommodation

Boarding and Lodging (if required) will be provided in the college campus at free of cost. No TA/DA will be paid to attend the programme. Lunch and Snacks will be provided.

Resource Person

Sessions will be handled by experts from leading Universities / Institutions and also faculty members from the hosting institution.

Filled up Application form sent to

The Convenor,
Seminar on "ROLE OF SMART MATERIALS IN AEROSPACE AND ENGINEERING APPLICATIONS",
Department of Mechanical Engineering,
St. Joseph's College of Engineering,
St. Joseph's Group of Institutions, OMR,
Chennai – 119.
Mobile : 9445683372, 9894047941
Email : kumarkm@stjosephs.ac.in
Phone : 044 2450 1060
Fax : 044 2450 0861



Department of Science and
Technology
(DST)
Science and Engineering
Research Board (SERB)

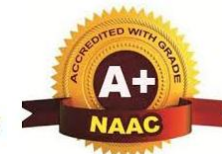
TWO DAYS NATIONAL SEMINAR

ON

ROLE OF SMART MATERIALS IN AEROSPACE AND ENGINEERING APPLICATIONS

16.12.2019 to 17.12.2019

Organized by



Convenor

Dr. K. M. Kumar, M. E., Ph.D.

Associate Professor,

Department of Mechanical Engineering

Department of Mechanical Engineering

St. Joseph's College of Engineering

St. Joseph's Group of Institutions

OMR, Chennai – 119

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