



**QIP SPONSORED  
SHORT TERM COURSE  
on**

## **ADVANCES IN COMPOSITE MATERIALS**

**5<sup>th</sup> - 9<sup>th</sup> JANUARY, 2016**



### **Coordinators**

**Dr. K.MARIMUTHU**

**Dr. G. SURESHKANNAN**

### **Organized by**

**DEPARTMENT OF MECHANICAL ENGINEERING  
COIMBATORE INSTITUTE OF TECHNOLOGY**

**(A Government Aided Autonomous Institution affiliated to  
Anna University & accredited by NBA)**

**COIMBATORE - 641 014**

**TAMILNADU, INDIA**

**TEL: 0422-2574071, 72**

**Website: [www.cit.edu.in](http://www.cit.edu.in)**

### **ABOUT THE COURSE**

The advent of light weight, corrosion and fatigue damage resistant composites was considered a major break-through which revolutionized the use of materials in many applications. Extensive research and development over the past two decades has made composites a production reality, vital to automotive, aerospace, medical, defense, space, sporting goods, electronic and marine applications. New application area will continue to open up, because composites can be tailored to specific requirements. The rapid advancement in the science of fibers, matrix materials, processing, interface surface, bonding and their characteristics on the final properties of composites have taken place in the recent years. The technological developments in composite materials are responsible for partially meeting the global industrial demand for materials with improved performance capabilities.

This course aims to make clarity on fundamentals, characterization and application of composite materials, which will be held for one week. The course is designed especially the basics and advances of polymer matrix composites, metal matrix composites and ceramic matrix composites.

### **COURSE TOPICS**

- Metal Matrix Composites
- Ceramic Matrix Composites
- Polymer Matrix Composites
  - Processing
  - Characterization
  - Applications

### **RESOURCE PERSONS**

Eminent persons from IITs, NITs, Mahatma Gandhi University-Kottayam, National Aerospace Laboratory Bangalore, and leading scientific Organizations.

### **ELIGIBILITY AND SELECTION**

Faculty from AICTE approved Institutions and scientists from R&D organizations are eligible to participate in the programme. The total intake is restricted to **30** and selection will be based on first come first served basis.

### **IMPORTANT DATES**

- Receipt of Application : 11<sup>th</sup> December 2015
- Intimation of Selection: 18<sup>th</sup> December 2015

### **REGISTRATION**

The application in the attached format along with refundable Demand Draft for Rs.500/- (in favour of QIP - ACM, payable at Coimbatore) is to be sent to the coordinator on or before 11.12.2015. Travel fare (3<sup>rd</sup> AC train fare) will be provided for eligible outstation participants. Free boarding and lodging will be provided for the outstation participants.

## THE INSTITUTE

Coimbatore Institute of Technology (CIT), started in 1956 by Sri. V. Rangasamy Naidu is reckoned for its academic and research excellence in engineering and technology. CIT is a Government Aided Autonomous Institution affiliated to Anna University, Chennai. The institute has a reputation with service of competent well qualified faculty members and dynamic management to set highest standards in engineering research and development. CIT offers undergraduate, post graduate and PhD programs with curriculum of global standards, promoting the students to compete internationally. All the courses are accredited by NBA. The institute has celebrated its Golden Jubilee in the year 2006 and has collaborations with leading frontier universities and industries in India and abroad for promotion of innovative engineering ideas. CIT has a laurel foliage on the head as an emblem of victory. Recently, CIT was awarded with the "Bizz-2012" the world business leader award and "ABP News National B-School awards" 2014 for outstanding Engineering Institution in South India.

## THE DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering is one of the earliest departments in CIT, started in the year 1956. It offers programs right from under graduate to doctoral level. It was started in the year 1956 with Bachelor of Engineering, since then many quality engineers graduated from here, have served the society and the nation. It has moved further by adding Post graduate degree programmes in engineering in the field of Heat Power Engineering in 1965 and Advanced Manufacturing Technology in 2005. Doctorate Programme was started in the year 1972, and as on date it has awarded more than 82 Ph.Ds. Fourteen out of thirty nine faculty members are doctoral degree holders from premier institutes including Indian Institute of Technology and Loughborough University, with the rest of them in the pursuit. There are 23 laboratories accounting for more than Rs. 7 Crores for research and academic work with a work force of 35 technical staff. The infrastructure and people together have been instrumental in producing more than 3000 quality engineers for the past 59 years through quality education.

## ORGANIZING COMMITTEE

### CHIEF PATRON

**Dr. S. R. K. PRASAD**  
Correspondent, CIT, Coimbatore

### PRESIDENT

**Dr. R. PRABHAKAR**  
Secretary, CIT, Coimbatore

### PATRON

**Dr. V. SELLADURAI**  
Principal, CIT, Coimbatore

### Coordinators

**Dr. K. MARIMUTHU**, Associate Professor  
**Dr. G. SURESHKANNAN**, Assistant Professor

### Deputy Coordinators

**Mr. S. Selvam**, Assistant Professor  
**Mr. C. Balaji Ayyanar**, Assistant Professor  
Department of Mechanical Engineering, CIT

### ADDRESS FOR CORRESPONDANCE

**Dr. G. SURESHKANNAN**

Assistant Professor  
Department of Mechanical Engineering  
Coimbatore Institute of Technology  
Coimbatore- 641014.

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## QIP SPONSORED ONE WEEK

## SHORT TERM COURSE

on

## ADVANCES IN COMPOSITE MATERIALS

5<sup>th</sup> - 9<sup>th</sup> JANUARY, 2016

### REGISTRATION FORM

Name :  
Designation :  
Department :  
Address :  
  
Phone :  
Email :  
Accommodation required : YES/NO

This is to certify that \_\_\_\_\_  
is an employee of our Institution / Organization, will be permitted for attending one week **QIP sponsored Short Term Course on "ADVANCES IN COMPOSITE MATERIALS"** at Coimbatore Institute of Technology, Coimbatore during 5<sup>th</sup> - 9<sup>th</sup> January, 2016.

Place:

Date:

Signature of the Applicant

Signature with seal  
Head of the Institution