

**AICTE Sponsored Short Term Course
on
ADVANCED WELDING TECHNOLOGY**
December 01 – 05, 2014

Name :
Designation :
Office Address :

Mobile :
E-mail :
Age : Years
Sex : Male / Female
Accommodation : Required/Not Required
DD Details :

Amount : Rs. No. :
Date : Bank :

I agree to abide by the rules of QIP courses. If selected, I shall attend the course for the entire duration.

Date:
Place: Signature of Applicant

CERTIFICATE

Certified hereby that Mr/Ms/Dr/Prof _____

will be permitted to attend the above course to be held at Coimbatore Institute of Technology, Coimbatore during December 01 - 05, 2014

Date:
Place: Signature of Competent Authority

ORGANIZING COMMITTEE

Chief Patron : **Dr. S. R. K. PRASAD**
Correspondent, CIT.
President : **Dr. R. PRABHAKAR**
Secretary, CIT.
Patron : **Dr. V. SELLADURAI**
Principal & Chairman - IWS
CIT, Coimbatore.
Organizing Secretary : **Dr. N. MURUGAN**
Professor of Mech. Engg., CIT.
Joint Secretary : **Dr. R. SATHISKUMAR,**
Asst. Prof. of Mech. Engg., CIT.

IMPORTANT DATES

Receipt of Application : 21.11.2014
Intimation of Selection : 24.11.2014

**ADDRESS FOR REGISTRATION &
CORRESPONDENCE**

Dr. N. MURUGAN,
Professor,
Department of Mechanical Engineering,
Coimbatore Institute of Technology,
Coimbatore -641 014.

Contact Information

Dr. N. MURUGAN, Prof./Mech.
Ph: +91- 9751824123

Dr. R. SATHISKUMAR, AP/Mech.
Mob. : +91- 9943350848
Email : awtqip@gmail.com



**AICTE Sponsored
Short Term Course
on**



ADVANCED WELDING TECHNOLOGY

DECEMBER 01st to 05th 2014

Under

QUALITY IMPROVEMENT PROGRAM



Organized by

DEPARTMENT OF MECHANICAL ENGINEERING

COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)
Civil Aerodrome Post, Avinashi Road
Coimbatore - 641014, Tamil Nadu

ABOUT THE INSTITUTION

The V. Rangasamy Naidu Educational Trust devoted to the cause of promoting Technical and Scientific Literacy, established Coimbatore Institute of Technology (CIT) in 1956. CIT is one of the most reputed and prestigious educational Institutions in South India. The Institute endorsed by world class research and development attained autonomous status in 1987 and is affiliated to Anna University, Chennai. The Institute features strong Academic-Industrial Interaction and a high quality of research and consultancy. CIT, managed by a pedigreed lineage for the past 57 years, enjoys international repute. The Institute has the services of competent and qualified faculty, and the guidance of a visionary management to enhance the quality of education at all levels and maintains its preeminent position in emerging globalization.

ABOUT THE DEPARTMENT

One of the founding departments of CIT, the Mechanical Engineering Department has played a leading role in evolving an 'Engineering Science' based curriculum. Today, the department of mechanical engineering of CIT attracts and features an extraordinary rich diversity and quantity of talented individuals, with nearly 500 undergraduates which includes full time and part time, 60 graduate students and over 35 faculty members. The department served as a role model for many academic institutes in and around Tamil Nadu. Apart from teaching undergraduate and post graduate students, the faculty of Mechanical Engineering actively pursue research through graduate students and research scholars. Over the years, interaction with industry and the emphasis on applied engineering has increased.

Continued research and development have led to better machines and processes helping the mankind. The Mechanical Engineering Department of CIT has been a pioneer in establishing Welding Research Cell for dedicated research in the field of Welding. To its credit it has produced about 30 PhDs over the period and still a lot of researchers are carrying out their PhD work here. It also serves as the Indian Welding Society, Coimbatore Centre.

ABOUT THE COURSE

Welding is one of the oldest materials processing technologies, but still an ever green technology, which has evolved day by day. The modern industrial scenario has proven that welding is inevitable to produce any product. Starting from space crafts, automobiles, mobile phones and even a small pen drive uses any one of the welding or its allied processes. The main objective of the course is to provide basic knowledge about various fusion and solid state welding processes and also provide an in-depth knowledge about the latest trends in the field of welding technology.

TENTATIVE TOPICS TO BE COVERED

The course will cover the following topics

- ◆ Review of Welding Processes & Materials
- ◆ Welding Design and Residual stress & Distortion
- ◆ Welding Techniques and Their Emerging Trends
- ◆ Advancements in Fusion and Solid State Welding
- ◆ Surfacing – Friction, GMAW, SMAW, Plasma
- ◆ Friction Stir Welding / Processing
- ◆ Welding Metallurgy of Ferrous and non-Ferrous Materials
- ◆ Metal Matrix Composites using FSP
- ◆ Applications of Finite Element Method

RESOURCE PERSONS

Eminent experts from BHEL, IGCAR, NITs, IITs and IISc will share their expertise.

ELIGIBILITY CRITERIA

Faculty members from AICTE approved colleges / polytechnics are eligible to apply. Eligible faculty members are requested to send the filled application and sponsorship certificate to the coordinator on or before the last date.

REGISTRATION

Academic Institutions : Rs.1000/-
Industry / R & D Organizations : Rs.2000/-

Registration will be based on the first-come first served basis to the maximum of 30 participants. The payment should be made by DD drawn in favour of "The Principal, Coimbatore Institute of Technology, Coimbatore-641014, payable at Coimbatore". The filled-in registration form is to be sent along with DD to the Organizing Secretary. The registration form can be downloaded from our institution website: "<http://cit.edu.in/qip.php>"

ACCOMMODATION

Accommodation will be provided for participants from AICTE approved institutions on twin sharing basis. No family accommodation will be provided.

TRAVEL

The outstation participants are eligible for 3-Tier AC train fare by the shortest route. The TA/DA for outstation participants will be met as per AICTE norms.

Book Post



AICTE Sponsored
Short Term Course
on



ADVANCED WELDING TECHNOLOGY

DECEMBER 01st to 05th 2014

UNDER

QUALITY IMPROVEMENT PROGRAM

To

Dr. N. MURUGAN,

Professor,

Department of Mechanical Engineering,

Coimbatore Institute of Technology,

Coimbatore -641 014.