

TEQIP-II SPONSORED ONE WEEK
FACULTY DEVELOPMENT PROGRAMME

on

HEAT TRANSFER

14th - 20th October, 2014



COORDINATORS

Mr.S.BALAMURUGAN

Mrs.P.ARUNA DEVI

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

ABOUT THE COURSE

Heat transfer is a basic science that deals with the rate of transfer of thermal energy. In engineering practice, an understanding of the mechanisms of heat transfer is becoming increasingly important since heat transfer plays a crucial role in the design of power plants, refrigerators, electronic device, buildings and vehicles, among other things. Tomorrow's engineer will have to have a clear understanding and a firm grasp of the basic principles so that they can understand even most complex problems, formulate them, and interpret the result. Participants have an adequate background in calculus and physics. First courses in thermodynamics, fluid mechanics, and differential equations are prior completion to taking heat transfer is desirable.

COURSE TOPICS

CONDUCTION

Steady State

Unsteady State

CONVECTION

Concept of Boundary Layer

Forced Convection

Natural Convection

THERMAL RADIATION

Radiation Properties

View Factor

Radiosity

Radiation Exchange between Two Surfaces

BOILING AND CONDENSATION

HEAT EXCHANGER

Types – LMTD

Effectiveness – NTU Method

*(End of the each day will be conducting the tutorial for
improving the problem solving skills)*

RESOURCE PERSONS

Eminent persons from IITs, NITs, Anna University, Government, Government Aided Institutions and leading Consultants

ELIGIBILITY AND SELECTION

Faculty from AICTE approved Institutions 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: 01.10.2014
- Intimation of Selection: 06.10.2014

REGISTRATION

Registration fee in the form of DEMAND DRAFT for Rs. 1000/- is to be drawn in favour of "THE PRINCIPAL, CIT, Coimbatore-641014" payable at Coimbatore. The application in the attached format is to be sent to the coordinator on or before 01.10.2014

ALLOWANCE AND ACCOMODATION

- No TA/DA will be provided
- Accommodation will be given in College Hostels

ABOUT CIT

Coimbatore Institute of Technology (CIT) started in 1956 by Sri. V. Rangasamy Naidu is reckoned for its academic excellence in engineering and technology. CIT is a Government Aided Autonomous Institution affiliated to Anna University, Chennai. CIT offers under graduate, post graduate and PhD programs with a global standard curriculum promoting the students to compete internationally. The institute has celebrated its Golden Jubilee in the year 2006 and all the courses are accredited by NBA. The institute has collaborated with leading frontier universities and industries in India and abroad for the promotion of innovative engineering ideas. CIT has laurel foliage on the head as an emblem of victory. Recently, CIT has been awarded with the "Bizz-2012" the world business leader award and "ABB News National B-School award" for outstanding Engineering Institution in South India

ABOUT DEPARTMENT OF MECHANICAL ENGINEERING

One of the founding departments of Coimbatore Institute of Technology (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 30 faculty members. The department served as a role model for many academic institutes in and around Coimbatore, Tamilnadu. Apart from teaching undergraduate and post graduate students, the faculty of Mechanical Engineering actively pursues 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.

MISSION

The Mechanical Engineering Department imparts sound knowledge in engineering along with realized social responsibilities to enable its students to address the current and impending challenges faced globally.

VISION

The Mechanical Engineering Department of CIT aims to provide and be recognized by the society at large as one of the top ranking Mechanical Engineering Programmes in the globe.

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

Chairman

Dr. V.SELLADURAI

Professor and Head of the Department

Department of Mechanical Engineering, CIT

Convener

Mr.S.BALAMURUGAN

Assistant Professor,

Department of Mechanical Engineering,
CIT

Coordinator

Mrs.P.ARUNA DEVI

Assistant Professor,

Department of Mechanical Engineering,
CIT

ADDRESS FOR CORRESPONDANCE

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Coimbatore Institute of Technology

Coimbatore- 641014.

E-mail: balu74_cit@yahoo.co.in

Mobile: 9865062725

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14th - 20th October, 2014

REGISTRATION FORM

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

PAYMENT DETAILS

Name of the bank :
DD No. :
Date :

DECLARATION

I _____ agree to abide by the rules and regulations governing the training programme. If selected, I shall attend the programme for the entire duration. I undertake to inform the co-coordinator well in advance in case I am unable to attend the course. The information provided herewith is true to the best of my knowledge.

Signature of the Applicant

SPONSORSHIP

This is to certify that _____ is regular employee of our Institution and is hereby sponsored for attending one week **TEQIP-II sponsored Faculty Development Programme on "Heat Transfer"** at Coimbatore Institute of Technology, Coimbatore during 14th - 20th October, 2014. He / She will be permitted to attend the course for the entire duration if selected.

Place:

Date:

Signature with seal
Head of the Institution