

**TEQIP-II SPONSORED ONE WEEK
FACULTY DEVELOPMENT PROGRAMME**

on

MECHANICS OF SOLIDS

25th – 31st JULY, 2014



CONVENOR

Dr. K. SUBRAMANIAN

COORDINATORS

Dr. M. P. MUTHURAJ

Dr. R. SARASWATHI

Mrs. K. NITHYAPRIYA

Organized by

**DEPARTMENT OF CIVIL 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

The mechanics of Solids is a common subject to core engineering (Civil & Mechanical), and Circuit Engineering (Electrical, Electronics and Computer Science) branches. The FDP is aimed to have a thorough understanding of basic concepts of mechanics of solids in which it is subjected to primary and secondary forces with different elements and materials. The FDP offers a refresher towards the need to apply the classical concepts into recently developed computation mechanics concepts

COURSE TOPICS

- Tensile and Compressive Stresses and Strains
- Shear Stress and Strain
- Principal Stresses and Strains
- Introduction to 3D State of Stress
- Stresses on Circular Elements
- Shear Force and Bending Moment in Beams
- Bending Stress on Beams
- Torsion of circular and non circular sections
- Deflection of Beams
- Forces and deformation on Springs
- Introduction to statically Indeterminate Structures
- Theorem of Three Moments
- Shear Centre
- Unsymmetrical Bending

RESOURCE PERSONS

Eminent persons from IITs, NITs, Anna University, Government, Government Aided Institutions and leading Structural 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: 21.07.2014
- Intimation of Selection: 22.07.2014

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 21.07.2014

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 CIVIL ENGINEERING

The Department of Civil Engineering is one of the earliest departments in CIT which offers under graduate, post graduate and Ph. D. programmes. The department has a team of highly experienced faculty members with rich academic and industrial experience in various frontier engineering areas. The faculty members and students of the department are dedicated to work in the current needs of the industry and have the ability to improve their expertise in field of Civil Engineering. They continuously excel in specialized areas of Structural Analysis, Structural Design, Structural Optimization, Concrete Technology, Steel Structures, Earthquake Engineering, Prefabricated Structures, Composite Materials, Prestressed Concrete Structures, Geo-technical Engineering, Groundwater Improvement, Remote Sensing, GIS based Survey, Transportation Engineering, Electronic Surveying, Construction Project Management, Design of Formwork, Sustainable Development, Environmental Impact Assessment, Unit Process and Green Materials

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 and Convenor
Dr. K. SUBRAMANIAN
Professor and Head of the Department
Department of Civil Engineering, CIT

Coordinators
Dr. M. P. MUTHURAJ
Assistant Professor, Department of Civil Engineering, CIT
Dr. R. SARASWATHI
Assistant Professor, Department of Civil Engineering, CIT
Mrs. K. NITHYAPRIYA
Assistant Professor, Department of Civil Engineering, CIT

ADDRESS FOR CORRESPONDANCE

Dr. M. P. MUTHURAJ
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Mobile: 9443935760

TEQIP-II SPONSORED ONE WEEK FACULTY DEVELOPMENT PROGRAMME

on
MECHANICS OF SOLIDS
25th – 31st July, 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 "MECHANICS OF SOLIDS"** at Coimbatore Institute of Technology, Coimbatore during 25th – 31st July, 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