International Institute of Information Technology
Earthquake Engineering Research Centre

Student Short Course

on

Earthquake Resistant Design of Buildings
(... a focused course to undergraduate students of Civil Engineering)

03 – 06 July 2018

Objectives of Course
This course focusses on
• Understanding of earthquake design philosophy
• Detailed earthquake resistant design procedure of buildings

Course Contents
• Fundamentals of earthquake engineering
• Basic structural analysis – Gravity load
• Detailed calculation of earthquake forces on buildings including effect of torsion by
  o Equivalent static method
  o Time history method
  o Response spectrum method
• Design and detailing of structural elements – slabs, beams, columns, foundations & staircase
• Design of shear wall
• Hand-on experience on modelling and design of building in SAP 2000

About EERC
Main reason for the casualties during an earthquake is the collapse of buildings. In order to ensure the construction of safe building infrastructure and to solve some of the issues, IIIT Hyderabad established Earthquake Engineering Research Centre (EERC). Extensive research work is being carried out in the following broad areas
• Seismo-tectonics of Indian Plate
• Estimate of Seismic Hazard
• Collapse Simulation and Damage Assessment
• Earthquake Risk Mitigation through Awareness & Preparedness
For more details, visit http://eerc.iiit.ac.in/

About IIIT H
International Institute of Information Technology (IIIT), Hyderabad, is an autonomous, self-supporting research institute established in 1998 with seed support from the Government of Andhra Pradesh. Major goal of IIITH is to impart a uniquely broad and interdisciplinary IT education of the highest academic quality. This is achieved through an integrated curriculum that consists of a highly diverse set of IT courses, interdisciplinary IT research projects, regular interaction with industry, preparation of entrepreneurship skills, and personality development courses. Visit https://www.iiit.ac.in/

How to Apply
Step 1: Take a demand draft (DD) or cheque in favour of “IIIT Hyderabad”
Step 2: Use the DD/cheque no. and fill the registration form available on EERC website
Step 3: Send the registration form along with DD/Cheque to the mailing address given below
For Online Registration: Fill the google form available on the website or follow the link given in website and send the DD/Cheque to the mailing address given below.

Course Team
• Neelima Pammi • Aniket Bhalkikar
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• Niharika Talyan • Keerthana Etoori
Under the guidance of R. Pradeep Kumar & Sunitha Palissy

Address for Communication
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Registration
Fee (Including course material, snacks & lunch):
• For Students: 3000/-
• For Employees: 4000/-
Payment of registration fee should be made by demand draft or at par cheque in favour of “IIIT Hyderabad”.
Last Date for Registration: 24th June 2018
Note: Limited accommodation in hostels is available on first come first serve basis. For making a request, kindly send a mail to the mailing address