

Earthquake Resistant Design of Buildings
(... a focused course to undergraduate students of Civil Engineering)
18-21 June 2019

Objectives of Course

The course focuses on

- Understanding of earthquake resistant design philosophy
- Detailed earthquake resistant design procedure of buildings

Course Contents

- Fundamentals of earthquake engineering
- Design philosophies of IS 456:2000, IS 1893 (Part 1):2016, IS 13920:2016
- Basic structural analysis – Gravity load
- Detailed calculation of earthquake force on buildings including effect of torsion by
 - ❖ Equivalent static method
 - ❖ Time history method
 - ❖ Response spectrum method
- Design and detailing of structural elements – slabs, beams, columns, foundations & staircase
- Design of shear wall
- Hands-on experience on modelling and design of building in SAP 2000

Registration

Fee (Including course material, snacks & lunch)

- For Students: 4000/-
- For Employees: 6000/-

Payment of registration fee should be made by demand draft or at par cheque in favour of “IIIT Hyderabad”.

Last Date for registration: 10th June 2019

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.

Course Team

Aniket Bhalkikar
Neelima Pammi
Pulkit Velani
Niharika Talyan
Vyas Pammi

Under the guidance of R. Pradeep Kumar & Sunitha Palissery

How to Apply

Step1:

Take a demand draft(DD) or cheque in favour of “IIIT Hyderabad”

Step2:

Use the DD/cheque no. and fill the registration form in the link given below

<https://bit.ly/2LVLqee>

Step3:

Send the registration form along with DD/Cheque to the mailing address given below

outreach.eerc@gmail.com

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 IIIT H 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.

Address for Communication

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