

COURSE CONTENTS

- ✓ Earthquake Basics
- ✓ Performance of Buildings in past EQ
- ✓ Effects of Earthquake Shaking
- ✓ Earthquake Resistant Design philosophy
- ✓ Seismic performance of struc. systems
- ✓ EQ Design & Indian Seismic codes
- ✓ Building Configuration
- ✓ Masonry Structures
- ✓ Seismic design / detailing of RC beams,
Columns and Joints
- ✓ Pounding & Seismic Joints
- ✓ Design of Non - Structural Elements:
Infill / Partition walls, services, glazing;
and seismic design of cantilevers,
appendages and staircases
- ✓ Building bye-laws and Urban Planning
- ✓ New approaches

OBJECTIVES

- Capacity building of faculty of Faculty Institutions teach students the principle of Earthquake Resistant Architecture
- To work towards Seismic Risk Reduction in Practice of Architecture

FACULTY

Distinguished Experts from
Department of Architecture & Planning
&
Department of Earthquake Engineering
Indian Institute of Technology, Roorkee

FOR FURTHER DETAILS CONTRACT

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NPEEE SHORT TERM COURSE

EARTHQUAKE RESISTANT STRUCTURES FOR ARCHITECTURE

COURSE DATES

8TH AUGUST to
12TH AUGUST,
2005



Coordinators:

Prof. R. Shankar
Dr. M. Mukherjee



DEPARTMENT OF ARCHITECTURE & PLANNING
INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
ROORKEE 247 667 INDIA

ELIGIBILITY

The course is open to all faculties in Architecture / Planning Institutions; and practicing architects and planners working in research Institutes / organizations / Industries.

HOW TO APPLY

Application in the attached form or in a similar format duly recommended / sponsored by the concerned authority with a self addressed envelop, should reach the Coordinators on or before **13 June,2005**. Participants are required to send advanced copies immediately as selection will be based on 'first-come-first-served' basis. Maximum number of Participants limited to 30. Application forms are also available on website of NPEEE(www.nicee.org/npeee)

REGISTRATION FEES

For teachers from COA / AICTE approved Institutes / Colleges / Polytechnics: No registration fee. TA for 2nd AC/ Rajdhani 3rd AC would be paid for the shortest route.
For Participants from R & D / Industries / Other organizations : Rs. 7,500/- (this includes registration materials, copy of proceedings and food and boarding). This registration fee shall be paid through crossed DD in favour of "Head, Centre for Continuing Education, IIT Roorkee".

BOARDING AND LODGING

All participants will be provided boarding and lodging facilities within IIT Roorkee Campus. This is free for participants from COA / AICTE approved Institution. For participants from **R & D / Industries / Other organizations** it is included in registration fees.

ABOUT ROORKEE

Roorkee is located on banks of the Upper Ganga Canal. Roorkee is gateway to pilgrim center of Haridwar, Rishikesh, and tourist attractions of Dehradun, Mussourie, and Piran Kaliar.

ABOUT IIT ROORKEE

The foundation of this great Institution was laid way back on 25th Nov, 1847 as the Roorkee College of Civil Engineering, later named as the Thomason College of Engineering at Roorkee in 1854. On 25th Nov, 1949 it became the University of Roorkee. In 21st September of 2001 it was raised as one of the seven IITs of India.

HOW TO REACH

Roorkee is well connected to other cities in India by Rail and Road. The NH 58 connects Roorkee to Delhi (175 Kms.), Dehradun (72 Kms.) and Saharanpur (50 Kms.) and NH 78 to Haridwar (31 Kms.) and Panchkula. Direct trains are available to major cities in India like New Delhi, Kolkata, Mumbai, Amritsar, Chandigarh, Chennai, Ahmedabad, Indore, Agra, Banaras, Dhanbad, Vijaywada.

