

COURSE CONTENTS

1. Earthquake Basics
2. Performance of Buildings in Past EQs
3. Earthquake Resistant Design Philosophy
4. Building Configuration
5. Masonry Structures
6. Seismic Design & Detailing of RC & Steel
7. Design of Non - Structural Elements
8. Building Bye - Laws and Urban Plannings
9. Vulnerability
10. Retrofitting
11. Studio based design

FACULTY

Faculty Experts from Department of Earthquake Engineering and Department of Architecture & Planning, IIT Roorkee

OBJECTIVES

1. To introduce earthquake resistant design philosophy to architects
2. To equip the architects with earthquake resistant planning and design measures
3. To enable the architects for vulnerability assessment and retrofitting the same.
4. To get an overview of recent status of earthquake architecture

COORDINATORS

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N P E E E SHORT TERM COURSE ON EARTHQUAKE RESISTANT BUILDING DESIGN, VULNERABILITY ANALYSIS & RETROFITTING

COURS DATES

18th Sep to 22nd Sep. 2006



Department of Earthquake Engineering

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Department of Architecture & Planning

INDIAN INSTITUTE OF TECHNOLOGY

ROORKEE - 247 667

ELIGIBILITY

The course is open to all faculty members 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 Prof. & Head, Continuing Education Centre, IIT Roorkee on or before 10 September, 2006. Participations are required to send advanced copies at the earliest selection will be based on 'first - come - first - served' basis. Maximum number of Participants is limited to 30. Application forms are also available on website of NPEEE (www.nicee.org/npeee) and IIT Roorkee (www.iitr.ac.in)

REGISTRATION FEES

No registration fee for teachers from COA / AICTE approved Institutes / Colleagues / Polytechnic. TA for 3rd AC would be paid of the shortest route.

For Participants from R & D / Industries / Other

organizations : Rs. 7,500/- (this includes registration, reference materials shall be paid through crossed DD in favour of "Prof. & Head, Continuing Education Centre, IIT Roorkee", payable at Roorkee.

BOARDING AND LODGING

All participants will be provided boarding and lodging facilities within IIT Roorkee Campus. This is free for participants from AICTE approved teaching Institutions and 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 the gateway to pilgrim centers of Haridwar and 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 November, 1847 as the Roorkee College of Civil Engineering, later named as the Thomason College of Engineer

ing at Roorkee in 1854. On 25th November 1949, it became the University of Roorkee. On 21st September 2001, it was upgraded as one of the seven IITs of India.

HOW TO REACH ROORKEE

ROORKEE is well connected to other cities of India by Rail and Road. The NH 58 connects Roorkee to Delhi (175 Kms.), Dehradun (72 Kms.) and Saharnpur (50 Kms.) and NH 78 to Haridwar (31 Kms.) and Panchkula/Chandigarh.

Direct trains are available to major cities in India like New Delhi, Kolkata, Mumbai, Amritsar, Chandigarh, Chennai, Ahmedabad, Indore, Agra, Banaras, Dhanbad, Vijaywada.