



**National Programme on Earthquake  
Engineering Education**

**Short-Term Course  
on  
SEISMIC EVALUATION AND RETROFIT  
(March 5-10, 2007 at IIT Roorkee)**

**Objective of course:** Capacity building for Seismic Disaster Mitigation through evaluation and retrofiting of existing buildings and lifeline structures.

**Course Contents:**

- Seismic hazard estimation, Local site effects
- Vulnerability assessment of existing buildings - Rapid Visual Screening, Simplified Vulnerability Assessment and Detailed Vulnerability Assessment
- In-situ evaluation of RC and masonry structures - Methods of testing, Statistical analysis and interpretation of results
- Modelling and analysis of building structures - IS code method, DCR Method, Non-linear modelling and analysis, Non-linear Static Pushover Method and Displacement Based Design
- Retrofitting Materials
- Retrofitting of Non-Engineered and Masonry Buildings
- Retrofitting of RC Buildings
- Retrofitting of Bridges

**Target Trainees:** Faculty of Engineering Colleges and Practicing Engineers.

**Registration Fee:** There is no registration fee for Faculty of AICTE Approved Engineering Colleges and Travel Expenses (up to AC -II) will be reimbursed.

**For Practicing Engineers, the registration fee is Rs. 5000.00**, payable through Demand Draft in favour of Professor & Head, Continuing Education Center, Payable at Roorkee, which includes boarding and lodging expenses. Travel expenses are to be arranged by the participants, themselves.

**Resource Faculty:** Faculty of the Department of Earthquake Engineering, IIT Roorkee.

Application forms can be downloaded from [www.nicee.org/npeee](http://www.nicee.org/npeee). Completed application forms duly forwarded by the Head of Institutions, should reach "**The Professor & Head, Continuing Education Center, IIT Roorkee - 247667**" before January 31, 2007.

*For further details, please contact:*

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