



**National Programme on Earthquake  
Engineering Education**

**Short-Term Course**

*on*

***Seismic hazard Assessment***

*(February 12-17, 2007 at IIT Roorkee)*

**Objective of course:** To learn different methodologies and approaches for seismic hazard assessment.

**Course Contents:**

- Engineering Seismology and Seismotectonics
- Earthquake catalogues – homogenization and completeness
- Estimation of Seismic potential of seismogenic sources and  $M_{max}$
- Strong ground motion characteristics
- Prediction of Strong ground motion
- Seismic hazard estimation
- Deterministic methodology
- Probabilistic Seismic Hazard Assessment
- Uncertainties in PSHA
- Aleatory variability and Epistemic uncertainties
- Logic tree methodology
- Seismic risk estimation

**Target Trainees:** Faculty of Engineering Colleges and a few practicing Engineers/Seismologists.

**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/Seismologists 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 November 15, 2006.

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

**For further details, please contact:**

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