



**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. 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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