



**National Programme on Earthquake
Engineering Education**

Short-Term Course

on

Observational Seismology

(January 16-21, 2007 at IIT Roorkee)

Objective of course: To learn instrumentation and data acquisition, processing and interpretation techniques for seismological data

Course Contents:

- Introduction to Seismology and Seismological instrumentation
- Broadband Seismometry
- Strong motion arrays and data processing
- Background noise surveys and selection of sites
- Microearthquake networks
- Hypocenter location techniques
- Quantification of earthquake size and Source parameter estimation
- Fault plane solutions and Focal mechanism studies
- Nomenclature of seismic phases and Internal Structure of earth
- Interpretation of seismograms
- Engineering applications of seismological networks
- Compilation of data, processing and interpretation

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 August 15, 2006.

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

For further details, please contact:

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