

11. Conferences attended in the past five years

12. Earthquake engineering related activities pursued by the applicant in past 5 years: (it may be attached as a separate enclosure):

13. Other activities that show interest in Earthquake Engineering

Signature:

Name:

Recommendation of the Head of the Institution

Signature:

Name:

Date:

Designation:
(With Seal)



Other Participants

Industries and Government departments desirous of utilizing this opportunity may depute participants at their own expense. A course fee of Rs. 10,000 (Rupees ten thousand only) in the form of crossed DD payable to “Registrar, Indian Institute of Science Bangalore 560012” should be paid by such participants. Only five participants on a first come first served basis will be selected under this category.

For further details please contact

Prof. J. M. Chandra Kishen
Department of Civil Engineering,
Indian Institute of Science
Bangalore – 560012
Email: chandrak@civil.iisc.ernet.in
Phone: 080-2293 3117 (Office)

For more general information about NPEEE, please see website: <http://www.nicee.org/npeee>
or Email: npeee@iitk.ac.in

Please mail applications to:

Assistant Registrar,
Centre for Continuing Education
Indian Institute of Science, Bangalore-560012
Tel: 080-23600911, 22932247
Fax: 080-2 3600911
Email: office@cce.iisc.ernet.in

Important Dates:

Last date for receiving applications: 25th August 2006
Date for intimation of selections: 8th September 2006

SHORT TERM COURSE

ON

Earthquake Resistant Design of Concrete Structures

9–14 October, 2006

Convener

Prof. J. M. Chandra Kishen
Department of Civil Engineering

Sponsored by

Ministry of Human Resource
Development, Govt. of India,
National Programme on Earthquake
Engineering Education



Centre for Continuing Education
INDIAN INSTITUTE OF SCIENCE
BANGALORE - 560012
INDIA

Preamble

Earthquakes have caused vast devastation of infrastructure systems and facilities and have exposed the deficiencies in the existing design and construction practices. These disasters have created a new awareness about the disaster preparedness and mitigation. This in turn has created a demand for understanding and exposure to earthquake engineering in design and practice. In order to address this issue the Ministry of Human Resource Development (MHRD), Govt. of India has launched the National Programme on Earthquake Engineering Education (NPEEE). Its aim is to build capacity in our technical institutions particularly engineering colleges, in the subject of earthquake engineering. Several short-term courses are being conducted all over the country to meet this objective. Indian Institute of Science, Bangalore, one of the resource institutions participating in NPEEE will be conducting a short-term course on “Earthquake resistant design of concrete structures” in the month of October 2006 for engineering college teachers.

Participants

Teachers of recognized engineering colleges are eligible to apply for the course. There is no fee for the course. Selected participants will be given all course materials and will be provided with free lodging in the Hoysala Guest House of IISc. The number of participants is limited to 30 for the course.

Objectives

- To give an exposure to earthquake engineering.
- To introduce fundamentals of structural dynamics relevant to earthquake resistant design.
- To understand the behaviour of concrete structures during earthquakes.
- To introduce elements of design and ductile detailing of structures with reference to relevant BIS codes.

- To give exposure to seismic retrofitting strategies of concrete structures.
- To prepare candidates to emerge as resource persons to subsequently conduct teachers training program of the NPEEE.

Course Contents

Review of limit state design; Seismic resistant design philosophy – choice of form and material; Design for seismic loads – displacement and curvature ductility requirements, Ductility demand of frames using static collapse mechanism and dynamic analysis; Response spectra, elastic and inelastic spectra for MDOF structures; Variation of ductility demand over height of multistorey building; Concept of soft storey; Detailing of reinforcement for specific ductility demand; Effect of confinement; BIS code based design procedures for analysis, design and ductile detailing of buildings.

Resource Faculty

Prof B K Raghu Prasad, Prof Ananth Ramaswamy,
Prof J M Chandra Kishen and Dr. K S Nanjunda Rao

Travel and Stay

Return train fare by 3-tier AC and free stay on the campus of IISc will be provided for the selected out station (non-local) participants. In addition a per diem of Rs. 150 will be provided for seven days to cover food and other expenses.

Venue

Short-term course will be held in the central lecture hall complex, Center for Continuing Education, Indian Institute of Science, Bangalore.

Official Language

The official language of the short-term course will be English

Application form for teachers to participate in training programme “Earthquake Resistant Design of Concrete Structures”, 9 – 14 October 2006, Indian Institute of Science, Bangalore

1. Name:
2. Designation:
3. Name of College/Institution:

4. Address:

5. Phone (Office): _____
Phone (Home): _____
6. Email: _____
7. Qualifications:

Year	Degree	Specialization	University

8. Thesis titles (if applicable)
M.E./ M.Tech:

Ph.D:

9. Courses taught in the past five years:

10. Short courses attended in the past five years:
