Whom will the course benefit?

Engineering college teachers, Professional structural design engineers, Practicing architects, Postgraduate civil engineering students, Administrators / Policy Makers

Course Outline and Objectives:

- To give a comprehensive exposure to earthquake engineering.
- To review fundamentals of structural dynamics.
- To give comprehensive exposure to static and dynamic behavior of masonry buildings.
- To discuss earthquake resistant design concepts for RCC Structures.
- To introduce earthquake geotechnical engineering.

Course Contents:

- Introduction to earthquake engineering
- Earthquake hazards
- Introduction to structural dynamics
- Matrix structural dynamics
- Concept of response spectrum
- Uncertainty modeling of earthquake ground motion.
- Behavior of RC framed structures and masonry buildings during earthquakes
- Repair/Retrofitting of masonry and RC structures
- Dynamic properties of soils;
- Assessment of liquefaction potential of soils during earthquakes and their mitigation through ground improvement techniques
- Indian standard codes of practice.

The course will consist of lectures by IISc faculty and guest faculty from IIT Kanpur / Guwahati and IIT Madras.

Eligibility:

The course is meant for faculty of AICTE – recognized engineering colleges. Selected teachers will be paid TA at actual subject to the limit of Three tier AC train/bus fare by the shortest route from the place of work to Bengaluru and back. However, the maximum TA payable is Rs.3000/- . They will be provided with a daily allowance of Rs.500/- per day (for 5 days only) towards boarding and lodging as per QIP rules, and will be supplied with the course materials. The lodging charges will be Rs.300/- per day. Local participants will be paid DA @ Rs.150/- per day for 5 days.

In addition, a few seats are available on payment basis for non-sponsored (self-support) teachers, scientists from R&D organizations, practicing engineers from industry and others interested in this course. A course fee of Rs.10,000/- will be charged to these participants. This will entitle them to participate in the course and receive the course material. Single room accommodation is available on the Institute campus at the Hoysala Guest House. The participants have to request in advance along with the registration form for such accommodation. The lodging charges will be Rs.1000/- per day, for self-sponsored college teachers and Rs.1500/- per day for other participants, subject to availability of accommodation.

Course Organization:

CENTRE FOR CONTINUING EDUCATION
Indian Institute of Science
Bengaluru – 560 012

QIP Short Term Course on

“Seismic Resistant Design of Masonry and Reinforced Concrete Structures”

16 - 20 January, 2017

Registration Form
(Please mail to reach before 16th December 2016)

1. Name…………………………………………………………
2. Age:………………..            Sex: Male/Female
3. Office address: …………………………………………
4. Landline No. with STD code:…………………………
5. Mobile No. ……………………………………………
6. Email ID:……………………………………………….
7. Academic Qualifications
  Degree subject year University
  Diploma/B.Sc./B.A………………………………………….
  B.E/B.Tech/M.Sc. …………………………………………..
  M.E/M.Tech./M.Phil…………………………………….
  Ph.D. Completed/Pursuing/Intend pursuing:……………..
  Thesis title/Proposed Research Area:……………………
  ……………………………………………………………
8. Teaching Experience …………. (Years)
9. Industry Experience …………………… (Years)
10. Courses taught/professional responsibilities …………. 

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…………………

11. Accommodation required    Yes / No

12. Self-support candidate : Rs. 10,000/-
 Demand Draft No ………………… dated …………..

I agree to abide by the rules of the QIP courses. If selected, I shall participate in the course for the entire duration.

Date: 
Place: 
Signature

The applicant Mr/Ms…………………………………………………………………………………………………….
……………………………………………………………………………………………………………………………………
from our institution will be permitted to attend the QIP Short Term Course on “Seismic Resistant Design Of Masonry and Reinforced Concrete Structures” to be held during 16-20 January, 2017 at the Indian Institute of Science, Bengaluru, if selected. He/she will be granted necessary leave of absence.

Place: 
Date: 
Signature of Head of the Department

Signature and Seal of the Principal of the Institution

(Xerox copy of this form may also be used)

Please mail the filled-in application form to:

The Officer-in-Charge
Centre for Continuing Education
Indian Institute of Science
Bengaluru - 560 012
Telephone: 080-23600911, 22932055/2491
Email: so@cce.iisc.ernet.in/
office@cce.iisc.ernet.in

To reach on or before 16th December, 2016

Intending participants may use the attached application form or a xerox copy of the same. Applicants from AICTE recognized colleges are required to submit their applications sponsored by their colleges.

Non-sponsored (self-support) teacher applicants/others should send their application along with a DD for Rs.10,000/- drawn in favour of “Registrar, Indian Institute of Science, Bengaluru - 560012” payable at Bengaluru.

Deadlines:

Receiving completed application: 16th December, 2016

Intimation of selection: 23rd December, 2016

QIP Short Term Course on

“Seismic Resistant Design of Masonry and Reinforced Concrete Structures”

16 - 20 January, 2017

Coordinator
Dr.K.S.Nanjunda Rao
Dept. of Civil Engineering
Sponsored by
AICTE, NEW DELHI
Centre for Continuing Education
Indian Institute of Science
Bengaluru – 560 012
Website: cce.iisc.ernet.in