Whom will the course benefit:

- Engineers
- Teachers working on/ teaching Mechanics/ Structural / Geotechnical Engineering

Course Outline and Objectives:

To introduce basic formulation of the finite element method with few computer applications.

Course Contents:

- Interpolation, Weighted residual, Galerkin projection
- Derivation of element stiffness matrices and nodal loads
- Assembling global stiffness matrix and loading vector
- Solution of Linear system
- Isoparametric elements, computer implementation (preferably Matlab)
- Application to structural and geotechnical engineering

Course Organization:

The course will consist of lectures by IISc faculty.

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 organisations, 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.

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

QIP Short Term Course
On
“Introduction to Linear Finite Element Analysis”

9 - 13 January, 2017

Registration Form
(Please mail by December 9th, 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:……………………
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   …………………………………………………………………
   …………………………………………………………………
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.

Place: Date: Signature

The applicant Mr/Ms……………………………………………………
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………………………………………………………………………………………………
………………………………………………………………………………………………
from our institution will be permitted to attend the QIP
Short Term Course on “Introduction to Linear Finite
Element Analysis” to be held during 9 -13 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 from 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: 9th 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: 9th
December, 2016

Intimation of selection: 14th December, 2016

QIP Short Term Course
On
“Introduction to Linear Finite
Element Analysis”
9 -13 January, 2017

Coordinators
Dr. Debraj Ghosh & Dr. Tejas Murthy
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