

Whom will the course benefit?

Faculty members teaching Solid Mechanics at post-graduate level and practicing engineers interested in solid mechanics subject.

Course Objective:

To provide an in-depth understanding of solid mechanics to enable better teaching and better applications of the concepts.

Course Contents:

- Brief introduction to Tensors
- Kinematics (Lagrangian/Eulerian) strain measures
- Dynamics (Balance Laws, Cauchy Principle, Stress Tensor)
- Constitutive Laws for Linear Elasticity
- Example applications to Torsion/Bending of Beams



Faculty:

Prof. Chandrashekhar.S.Jog, Mechanical Engineering, Indian Institute of Science (IISc.) will deliver the lectures.

Eligibility:

The course is meant for faculty of engineering colleges recognized by All India Council for Technical Education(AICTE), National Institutes of Technology(NIT's) and National Institute of Technical Teachers' Training & Research (NITTTRs). 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/- (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 for non-sponsored (self-support) teachers, scientists from research labs, practicing engineers from industries and other interested persons on payment basis as under.

Course Fee:

Academic Institutes, Govt. R&D Labs: **10,000 INR**
Private Industries : **15,000 INR**

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 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-support college teachers and **Rs.1500/- per day** for Industry participants, subject to availability of accommodation.



CENTRE FOR CONTINUING EDUCATION
Indian Institute of Science,
Bengaluru -560 012

**QIP Short Term Course On
"SOLID MECHANICS"**

1-5 May 2017

Registration Form

(Please mail to reach before **07 April 2017**)

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. Course taught/professional responsibilities.....
.....
.....
.....

11. Accommodation required Yes / No

12. Self-support candidate :
Academic Institutes, Govt. R&D Labs: **Rs. 10,000**
Private Industries : **Rs. 15,000**

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 **“Solid Mechanics”** to be held during **1-5 May 2017** at the Indian Institute of Science, Bengaluru, if selected. He/she will be granted necessary leave of absence.

It is certified that our college is recognized by AICTE Order No:..... Date:.....

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)

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

Non-sponsored (self-support) teacher applicants should send their application along with a **DD for the course fee** drawn in favor of **“Registrar, Indian Institute of Science, Bengaluru -560012”** payable at Bengaluru. The course fee will be **Rs. 10,000** for participants from **academic institutions and government research labs**, and **Rs. 15,000** for participants from **other organizations**.

Deadlines:

Receiving completed applications: **07 April 2017**

Intimation of selection: **10 April 2017**

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
Email: so@cce.iisc.ernet.in/
office@cce.iisc.ernet.in

To reach on or before: 07 April 2017

QIP Short Term Course On

“SOLID MECHANICS”

1-5 May 2017

Coordinator

Prof.Chandrashekhar.S.Jog
Dept. of Mechanical Engineering

Sponsored by
AICTE, NEW DELHI



Centre for Continuing Education
Indian Institute of Science
Bengaluru – 560 012
http://www.cce.iisc.ernet.in