Whom will the course benefit:

1. Teachers handling numerical methods as part of mathematics or engineering subjects
2. Engineers and practitioners who employ numerical methods in their work.

Course Outline and Objectives:

Understanding and analyzing numerical methods, which will help in solving practical problems of interest

Course Contents:

- Basic linear algebra, Interpolation.
- Numerical differentiation
- Numerical Integration
- Numerical Solution of ODE’s
- Numerical Solution of PDE’s

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.

A few seats are available 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 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:

The course will consist of lectures and practical/Lab sessions.

Faculty:

IISc faculty will deliver the lectures.
Please mail the filled-in application form to:

The Section Officer  
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 18th November, 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: 18th November, 2016

Intimation of selection: 21st November, 2016

QIP Short Term Course
On
Numerical Methods for Engineers & Scientists

19th to 23rd December, 2016

Coordinator
Dr. Sivaram Ambikasaran
Dept. of Computational & Data Sciences

Sponsored by
AICTE, NEW DELHI