

Workshop on Mathematics in Engineering: with emphasis

Date: 18 - 22 June 2016 (5-days)
Venue: IIT Bombay
Target group: Faculty members & PG Students
Dead line: 12th June 2016

Mathematics lies at the heart of all engineering disciplines. Engineering mathematics is taught formally in most of the engineering institutes in the country, However, a lot needs to be done to draw connect between the mathematical principles taught and the application of the principles in specific engineering domains.

The aim of this workshop is to take up a few case studies of the use of advanced mathematical ideas in engineering, with an emphasis on electrical engineering. The workshop shall be conducted by faculty members from the engineering disciplines who have an interest in the pedagogy of mathematical principles in engineering. They would take up specific mathematical principles, tools and techniques and build up a modus operandi for bringing them up in an application context.

This workshop also aims in conducting tutorial and/ or software sessions in the afternoons, to practice the mathematical principles learnt.

Arrangements:

For TEQIP Gujarat participants, there will be no participation fee and all expenses during the workshop and for the workshop material, shall be taken care of through the TEQIP-KITE funds at IIT Bombay. Accommodation, lodging and boarding in the student hostels of IIT Bombay shall also be provided free of charge, expenses being borne by IIT Bombay through MHRD-TEQIP-KITE funds. However, travel expenses to/ from IIT Bombay and any other incidental expenses in travel will have to be borne by the participants and/ or their Institutes through their own TEQIP funds/ Institute funds. If the participants are not willing to stay in the IIT Bombay student hostels, then they will have to bear their own accommodation expenses. To a limited extent, IIT Bombay can help some of the participants with accommodation in the nearby MTNL Guest House and/ or nearby hotels, provided these participants confirm their participation latest by 10 June 2016.

Action Required –

Interested colleges must forward a scanned electronic copy of a list of the participants on the email-IDs - cep@iitb.ac.in, head.cdeep@iitb.ac.in or IIT Gandhinagar TEQIP email ID [teqip@iitgn.ac.in] confirming their participation preferably by 10th June 2016 to enable us to make arrangements. This scanned electronic copy can be sent to ALL recipients of this email by 10 June 2016. We can accommodate further participants up-to 14 June 2016 but that may be limited by our ability to make last minute arrangements, for the participants who delay beyond 10 June in confirming. We shall, of course, try our best to accommodate them.