

Background to the Project

Over 5 years ago, IIT Bombay started conducting ISTE Short Term Training Programme (STTP) for empowering teachers of engineering colleges. We first scaled up to engage 1,000 teachers at a time, in subject-specific training programmes of two week duration. In 2013, we scaled this program further, to train up to 10,000 teachers at a time (T10KT), using 344 established remote centers across India. IIT Kharagpur is our partner Institution. Together, we have a mandate through a funded project from the National Mission on Education using ICT (NME-ICT) of MHRD, to train 1,50,000 teachers in 15 such STTPs.

Since December 2009, we have conducted several two-week ISTE STTPs on various engineering subjects. We have reached out to more than 85,000 teachers and served them to enhance their teaching skills in various subjects.

In order to deliver these STTPs at the selected remote centers, we invite expert faculty from such remote centers to a One Week Coordinators' training programme, which is held in IIT Bombay. These faculty members then act as Workshop Coordinators in their respective remote centers during the delivery of the training programme for the 10,000 teachers. All the lectures and tutorial sessions are recorded. The final edited audio-visual content, along with other course material, are released in Open Source. The content can be freely used later by all teachers, students and other learners.

Given the success of such STTPs, we now announce a two-week ISTE STTP on **Environmental Studies**, to be held from June 2nd to 12th, 2015.

This course has been made a mandatory part of all the curricular across the country by the Honourable Supreme Court orders.

Teaching Faculty

Prof. Munish Chandel, CESE, IIT Bombay
Prof. Nikhil K Kothurkar, Amrita Vishwa Vidyapeetham
Prof. Maya Mahajan, Amrita Vishwa Vidyapeetham
Prof. K. Narayanan, HSS, IIT Bombay
Prof. Ranjan Kumar Panda, HSS, IIT Bombay
Prof. D. Parthasarathy, HSS, IIT Bombay
Prof. Harish Phuleria, CESE, IIT Bombay
Prof. Virendra Sethi, CESE, IIT Bombay

Course Contents

The topics to that will be covered in this STTP are:

- Sustainable Development
- Ecology
- Biodiversity
- Natural Resources (Food, water, energy, forest)
- Environmental Pollution
- Social issues and Environment
- Ethics
- Economics
- Global Climate Change

Who Should Attend

Faculty colleagues who are presently teaching in Engineering, Diploma and Post-Graduate Science Institutes are eligible to attend this training programme. Science teachers (Physics, Chemistry, Maths, and Biology) should be teaching either PG courses (MSc Level) or UG Engineering courses (B.E/B.Tech). Faculty from

Humanities (English, Economics, Social Sciences) and Management would also benefit towards their teaching of the Environmental Studies course.

This workshop is only for Faculty. Students are not entitled to attend the course.

Duration and Venue

The duration of the STTP is 2 weeks (10 days). It commences on Tuesday, 02nd June, 2015 at 9:30 hrs and ends at 18:00 hrs on Friday, 12th June with a one day break on Sunday, 7th June, 2015. Participants will be expected to carry out some additional assignments in the two weeks following the completion of the course.

Further details and enrolment link are available at: <http://www.it.iitb.ac.in/nmeict/>

Note

Please note that this STTP is conducted by the e-Outreach project of IIT Bombay, under the National Mission on Education through ICT. Live recording of the course and other created contents will be released under Open Source through a portal. The recorded CD/DVD of the course lectures will be available for distribution at cost, to any individual/ institution. All participants are required to sign an authorization for such release of contents contributed by them during and after the workshop. Recognition and citation will be made for all contributors.

Mandatory requirement:

It is mandatory that while registering for the STTP, the participants should submit a scanned copy of a letter from the Principal/Head of the Institute. Format of this is available on the website. Registration without this letter will not be confirmed.

Course Fee

Since the STTP is partly funded by the National Mission on Education through ICT (MHRD, Government of India), there is no fee for participation in the course.

Accommodation and other support

Remote centers are being funded to provide tea/lunch on each day of the main STTP, and for accommodation, wherever available*, for a limited number of outstation participants. **Travel reimbursement up to Rs. 1000/- will be paid only to the outstation participants, if the distance travelled from their Institute to the Remote Center is more than 100 kms.**

**Accommodation is not guaranteed.*

How to Apply

To register online, please visit:
<http://www.it.iitb.ac.in/nmeict/>

Enrollment will be ONLY through the online mode.

The online form contains a list of remote centers. From this list, please select a center close to your Institute/College, where you wish to attend the STTP. The last date for enrollment and for submission of permission letter is **20th May, 2015**. A list of the selected participants will be uploaded on this website on **22nd May, 2015**. The selected participants will also be informed by an email.

**LAST DATE FOR ONLINE ENROLLMENT:
20th May, 2015**

REMOTE CENTERS

We have remote centers in the following states:

- Andhra Pradesh
- Assam
- Chhattisgarh
- Goa
- Gujarat
- Haryana
- Jammu And Kashmir
- Jharkhand
- Karnataka
- Kerala
- Madhya Pradesh
- Maharashtra
- Odisha
- Punjab
- Rajasthan
- Tamil Nadu
- Telangana
- Tripura
- Uttar Pradesh
- Uttaranchal
- West Bengal

Address for Communication:

**Dr. Mukta Atrey,
Sr. Project Manager,
Department of CSE,
Kanwal Rekhi Building,
Indian Institute of Technology Bombay,
Mumbai - 400 076
Tel.: +91-22-2576 4989
Fax: +91-22-2572 0022
Email: eoutreach@it.iitb.ac.in**

**TWO - WEEK ISTE STTP
on**

Environmental Studies

under the

**National Mission on Education through ICT
(MHRD, Government of India)**

2nd June – 12th June 2015

Conducted by

IIT Bombay



Course Coordinators

Professor Virendra Sethi, CESE
Professor K. Narayanan, HSS
IIT Bombay

Project Coordinator

Professor Deepak B. Phatak
Department of Computer Science & Engineering

**Indian Institute of Technology Bombay
Mumbai - 400076**