

Introduction to the STTP under T10KT project

Over 5 years ago, we 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 programme of two week duration. In 2013 we scaled this program further, to train up to 10,000 teachers at a time (T10KT), using 345 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 STTP on various engineering subjects. We have reached out to more than 85,000 teachers and helped them to enhance their teaching skills in these subjects.

In order to run these STTP at selected remote centers, we invite expert faculty from various remote centers to a five-day Coordinators' training programme which is held in IIT Bombay, typically two months before the main STTP. These faculty members then act as Workshop Coordinators during the main training programme to be conducted later for 10,000 teachers, during which, the Coordinators supervise the conduct of tutorials and Labs at their Centers. They liaise between the participants at their Remote Centers and IIT Bombay, from where the interactive lectures are transmitted live. All the lectures and tutorial sessions are recorded. The final edited audio-visual contents, along with other course material, are to be released in Open Source. The content can be freely used later by all teachers, students and other learners.

There is an urgent need in the country for capacity building in environmental protection. MHRD has decided to use the platform of "Teachers' Training Programme" by IIT Bombay, to train the trainers. The main STTP will provide training to teachers from Engineering Colleges and Polytechnics.

One-Week Coordinators' STTP

The proposed Coordinators' STTP, to support the above, is being organized at IIT Bombay from 23rd to 27th March, 2015. This STTP will provide a complete orientation to the prospective Workshop Coordinators, on the methodology to be followed. This will include the delivery of live lectures through the AVIEW mechanism of interaction with participants, and the local conduct of tutorials and labs.

Introduction to the Course

"In spite of the deteriorating status of the environment, study of environment has so far not received adequate attention in our academic programmes. Recognizing this, the Hon'ble Supreme Court directed the UGC to introduce a basic course on environment at every level in college education. Accordingly, the matter was considered by UGC and it was decided that a six months compulsory core module course in environmental studies may be prepared and compulsorily implemented in all the University/Colleges of India". (Excerpt from Vision of UGC Committee for the course). Details are available online at: <http://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf>

This course is a response to the strongly felt need for equipping our teachers with the tools and techniques needed to effectively train students in this important area. Indeed the impetus for this course is the acute shortage of qualified faculty in colleges and polytechnics.

The topics to be covered in this STTP include:

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

Teaching Faculty

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

Who may benefit

This STTP is for the benefit of faculty colleagues, who are willing to be prospective Workshop coordinators for the larger main training programme to be held tentatively during 02nd to 12th June, 2015.

It is mandatory that the prospective coordinators should have taught a course related to Environmental Studies at least for 1 or 2 times. He/she should be familiar with the topics listed in course content. It is preferable that they should have at least 3 years of teaching experience with some experience in conduct of ISTE, QIP workshops.

Duration and Venue

The duration of the Coordinators' Short Term Training Programme (STTP) is one week (23rd - 27th March, 2015), and it will be conducted in IIT Bombay.

Note

Please note that this STTP is conducted under the T10KT project of IIT Bombay. Live recording of the course and other created content would be released under Open Source, through a portal. The recorded CD/DVD of the course lectures would be available for distribution at cost, to any individual/ institution. All participants are required to sign a No Objection certificate for such release of contents contributed by them during and after the STTP. All contributors will be acknowledged.

Accommodation and other support

Shared Guest House accommodation with standard boarding will be provided free to the participants depending on availability.

Course Fee and Travel Allowance

Since the STTP is funded by the National Mission on Education through ICT (MHRD, Government of India), there is no course fee for participation. Travel fare reimbursement will be made for up to A/C 2-tier or lowest return airfare, **as per GOI entitlement.**

Important Note:

It is mandatory that the participant's Institute is well equipped to conduct the training programme through the NKN/ internet for a minimum of 50 participants. For a remote center, a primary requirement is provision of one computer per participant, with Linux (preferable) or Windows as the operating system. This is for the laboratory component of the course.

It is also mandatory that the participants bring a document from the Heads of their institutes to the effect that the participant has been officially nominated by the Institute to be the Workshop Coordinator for this training programme. The format is provided on the registration page.

The prospective coordinators are expected to read all the relevant material available on moodle before coming to IIT Bombay. They will be given their moodle log-in ids once they are confirmed as participants for the training programme.

How to Apply

Those wishing to attend this course should register online at <http://www.it.iitb.ac.in/nmeict>

Due to limited seats, only one registration from each remote center is allowed. Confirmation of registration will be sent by email. **Enrollment will be strictly online.**

LAST DATE FOR ONLINE ENROLLMENT:
10th March, 2015

Address for Communication:

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One Week ISTE STTP for Coordinators on Environmental Studies

Under the
National Mission on Education through ICT
(MHRD, Govt. of India)

23-27 March, 2015

Conducted by IIT Bombay



Course Coordinators:
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