Who Should Attend

Participants who have successfully completed the FDP101X are eligible to attend this FDP.

Duration and Venue

This Two week FDP consists of three components as follows:

1. Online work by individual participants: Each participant is expected to access the online platform, using a PC at home or office, on any convenient day and time during the week, with an online test every week. Each participant has to spend 6 to 8 hours of efforts per week during this component of the FDP. This is equivalent to one day of work in a regular FDP. This activity will be spread over 5 calendar weeks: From Thursday 14 September 2017 to Thursday 12 October 2017.

2. Face-to-Face interaction: Participants will have to physically attend these sessions at their chosen or designated Remote Centres (RCs), established across the country by IIT Bombay. Focused interactive sessions with the participating teachers, will be conducted by the faculty from IIT Bombay. The discussions and local tutorial sessions will be moderated by the Workshop Coordinators appointed at each RC. This activity will be conducted on the weekends of: 16 & 17 September 2017 and 7, 8 October 2017.

3. Team Assignment: Teams of 3 to 5 members will be formed from amongst the participants at each RC. Each team is required to create and review the assignment, and submit the same online. Here again, each participant has to spend adequate effort, albeit in a coordinated manner with other members of the team.

Teaching Faculty

Prof. Sridhar Iyer, IDP in ET, IIT Bombay
Prof. Sahana Murthy, IDP in ET, IIT Bombay
Mr. Jayakrishnan M, IDP in ET, IIT Bombay
Dr. Sameer Sahasrabudhe, Dept of CSE, IIT Bombay
Prof. Deepak B. Phatak, Dept. of CSE, IIT Bombay

Course Fee

Funding support from Ministry of Human Resource Development (MHRD) permits us to offer the FDP without any course fees. Participants have to take care of their expenses for travel/food during the A-VIEW interaction at Remote Centres

Additional benefits

It has been decided that 250 top performing participants, will be identified based on the assessment criteria of both the FDPs. Further, they will also be offered an opportunity to participate as associate faculty (with an appropriate honorarium, of course), for conducting these FDPs in future.

Accommodation: Not Applicable

How to Apply

This FDP will only be limited to those participants who qualify in FDP101x. These participants will be directly enrolled to FDP201x.

The URL to see details is
http://www.it.iitb.ac.in/nmeict/announcements.html

Address for communication:

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Two-Week AICTE approved FDP

Under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNMTT)

on

"Pedagogy for Online and Blended Teaching-Learning Process"

(This FDP will be offered in a blended/Hybrid mode)

14 September to 12 October 2017

Conducted by

IIT Bombay

Course Coordinator
Professor Deepak B. Phatak
Department of Computer Science & Engineering

Indian Institute of Technology Bombay
Mumbai - 400076

Introduction

IIT Bombay has been involved with distance synchronous education, since year 2000. We have trained over 1,36,000 teachers, in partnership with IIT Kharagpur, under the T10KT (Train 10 Thousand Teachers at a time) project sponsored by NMEICT. All training workshops so far, were on specific subjects of Engineering and Science Education, most of which are taught as core courses in our colleges and universities. The participating faculty has benefitted from these programs.

Online educational methodology, and flipped-classrooms with associated pedagogy of active learning, have quickly emerged as the mainstay of effective education in this century. However, most of our teachers lack skills and competencies for proper and effective use of ICT in education. It is thus an urgent national requirement that all our teachers, at least those teaching in our profes-sional colleges, are empowered to use technology effectively, to enhance the quality of education.

To meet this requirement, IIT Bombay has specially designed a Faculty Development Program (FDP) on "Use of ICT in Education for Online and Blended Learning". A pilot implementation of this course was done during May-July, 2016. A total of 2193 participants had success-fully completed this workshop and had obtained the certificate. The FDP was a single course then having a longer duration.

Based on the inputs of the participants and course team, this year the course is being offered as a two-part FDP so as to focus on both the Technology and Pedagogy. These FDPs are conducted under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNMTT). The second course under this FDP, with a focus on pedagogy, is titled "Pedagogy for Online and Blended Teaching-Learning Process" and is designed as a Blended MOOC (Massive Open Online Course) – FDP201x. There will be two weekend face-to-face sessions at the Remote Centres. The course will be offered from 14 September 2017 till 12 October 2017.

The first part of this FDP is scheduled from 03 August to 07 September 2017 and has been explained separately

Learning Objectives for the Course

After successful completion of the course, participants will be able to:

i. Integrate active learning in their regular teaching-learning practice

ii. Create an Open Educational Resource to be used in their classrooms

iii. Justify the blending of online instruction in their regular teaching-learning practice

iv. Participate in Collaborative Community involved in Open Education Resource creation and dissemination

Course Content Modules

1. Effective Blended/Hybrid Education
- Using available online resources in regular classroom
- Pedagogy of Active Learning
  - Think-Pair-Share
  - Peer Instruction
  - Collaborative Problem Solving
- Flipped Classroom

2. Online Courses
- Designing and Developing a MOOC
- Conducting a MOOC
- Effective Use of Discussion Forum
- Methods of Online Assessment
- Exposure to various MOOC platforms

3. Adopting Online/Blended Education in Teaching-Learning Process
- Using available autonomy
  - Implementing Flipped Classrooms
  - Recognition of Grades and Credits through MOOCs
  - Factoring in marks of online assessment in regular courses
- Using "Assessment for Learning" while blending instruction
  - Rubrics: Facilitating Local Assessments, Evaluation Reports and Presentations
  - What, why and How of Peer Assessment

4. Building and Nurturing Collaborative Communities
- Open Educational Resources (OERs)
- Lessons from Open Source Community – Evolving Leaders and Mentors
- Creating and using an OER
  - Crowdsourcing methods
  - Quality Assurance
  - Implementing OER in your classroom
- Participation in Sectoral Communities

Criteria for Certification

IIT Bombay will award certificates only to those participants who successfully complete prescribed online tests with minimum 50% aggregate score, meaningfully participate in face-to-face sessions, and submitted the team assignment.
AICTE has recognized this as a Two-week FDP.

Note 1: This FDP is conducted under the T10KT project of IIT Bombay. Live recording of the course and other created content will be released under Open Source, through a portal. All participants are required to sign a No Objection Certificate for such release of content contributed by them during and after the FDP. All contributors will be acknowledged.

Note 2: Since the contents are being released under Creative Commons, participants have to ensure that they provide accurate citations. All the content generated will undergo check for plagiarism and plagiarism detected will lead to cancellation of registration and serious disciplinary actions.