

**“Foundation Program in ICT for Education”
(03 August to 07 September 2017)**

COURSE JOURNAL

WEEK 1 (03 August to 13 August, 2017)

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Course Learning Objectives

1. Identify various ICT devices and applications useful in teaching-learning
2. Develop awareness towards ethical practices for use of ICT in education
3. Make use of best practices for information dissemination using ICT

The course module has been divided into various segments and it facilitates interaction between facilitator-learner. The course introduction highlights about the course, its objectives, the need to maintain academic ethics and integrity, the grading policy etc. Professor Deepak Phatak, the course coordinator and the principal investigator of T10KT project IIT-Bombay introduces the online learners about the need of a blended teaching-learning environment in today’s internet culture.

The Week 1 course structure of FDP has the following components:

From Physical classroom to Online Classroom:

The main points of this session are:

- 1) Essential elements, features and interactions available in a physical classroom
- 2) Three basic elements in a physical classroom are: Learner, Teacher and Content
- 3) Physical classroom versus online teaching learning experience

LED 1.1 Think and Write Assignment

Q1. Can you list one example of the interactions that happened between these three (Learner, Teacher and Content) in a normal classroom?

A1. Teacher-Learner interaction

The teacher can introduce a concept and explain the concept to the learners. The teacher can give examples, use of photos and videos etc. to clear the concept in the class. And the teacher can ask questions to the learners for the better reflection of the teaching-learning experience.

Pedagogic Adaptation 1: Learning dialogues (LeD)

The main points of this session are:

1. This session throws light on the pedagogic feature of online learning
2. The concept of reflection spots and its benefits
3. The entire online teaching-learning experience is more learner-centric.

LED 1.2 Think and Write Assignment

Q1.What is the equivalent of such a video in a regular teaching-learning interaction within your classroom?

A1. Use of blackboards, whiteboards in the classroom, power-point presentation and lecture cum demonstration

Q2.What additional features does the video provide you apart from the regular information transmission of the content?

A2. It is more interactive, effective in understanding the concept, more flexible.

Pedagogic Adaptation 2: Learning by Doing Activities (LbDs)

The main points of this session are:

1. Learning by doing activities immediately after the learning dialogue video helps in the reinforcement of the key concepts.
2. It keeps the learners engaged in the process
3. Each learner gets an opportunity to answer questions and get detailed feedback

LED 1.3 Reflection spot- Think and Write

Q1. What advantage do you see in answering these questions immediately after watching LeDs?

A1. It helps the self-learning, ability to think and act quickly, analyze the concept and a good learning activity to test memory.

Pedagogic Adaptation 3: Learning Extension Resources or (LxTs)

The main points of this session are:

1. These resources are meant for extending your learning on what one have already learnt.
2. The resources can be videos, webpages, documents, research papers etc.
3. The concept of Assimilation Quizzes

LED 1.4 Reflection spot- Think and Write

Q1. What is the function of assimilation quizzes?

A1. It gives a detailed understanding of the idea/concept. The learner get to know what they have understood or not. The approach is quick and very effective.

Pedagogic Adaptations 4: Learning Experience Interaction (LxIs)

The main points of this session are:

- 1) The teaching learning environment in a physical classroom has a more structured discussion based on specific content.
- 2) It carries specific instructions which are followed by graded reflection quiz.
- 3) More engaging
- 4) The limitation of LxIs is that it is not always real-time or synchronous.

- 5) In a faculty development experience, sharing of information encourages collaboration which can help teachers and students.

LED 1.5 Reflection Spot Think and Write

Q1. Can you think of advantages of having such a structured group discussion like the one which I explained right now?

A1. It keeps the discussion confined to the specific content and more focused as the classes are time bound and it helps learners to think deeply on the same subject and gets multiple angles to the concept.

Self-exploration Resources (Resource Person: Prof. Prabhakar TV)

The main points of this session are:

- 1) Basics of ICT
- 2) The introduction to typical ICT application
- 3) The hardware and software involved in the process
- 4) Self-learning about the evolution of computer

Resource Creation 1: Course

LED 1.6

Q1. What did you learn while doing this entire activity of writing?

A1. The writing of course journal helped me in understanding the concept and following it in a logical and more systematic manner. It is a valuable content generation initiative. It is a reflection of my idea of presenting learning and sharing concepts. It will help me in my future teaching-learning experience.

Reflection Spot: Think and Write

Q1. Write one advantage of maintaining a course journal.

A1. The course journal guides me to be very focused, objective, inculcate regular practice of writing and thinking. It is basically a record book and helpful guide for both learner and teacher. A learner can keep things in memory and always refer for doubtful queries and clears the concept.

Learning Experience Interaction 1

It is basically a window to interact with other learners online. It is a more structured discussion forum.

I posted my first post on challenges that I face on my classroom.

Learning Extension Resources

This is the most unique part of the entire course where I got to learn about the Massive Open Online Courses (MOOCs). The speech by Anant Agarwal, CEO edX, on MOOC give us a wider view of the new learning experiences and the need to introduce new teaching practices. The changing languages

and technology has certainly affected the way we learn and adapt to the new educational environment. The introduction on MOOC by Dr. Deepak Phatak, highlights on the conventional education system and stresses on the need of this learning process through the Faculty Development Programme. Dr. Phatak tells us about the use of education and its benefits in the future. The Learning Extension Resources helps me to understand the new paradigm in education system in 21st century and its various perspectives. Being a teacher of this age, it is very important for me to get acquainted with the various dynamics in teaching and learning pedagogy. And it also helps me in to stay updated with the diversity of learner's needs and aspirations.

After the interaction and self-learning resources and inputs, the FDP allowed us to do self-assessment with the a few graded activities. It comprised of Knowledge Quizzes, Reflection Quizzes, Assimilation Quizzes, and peer reviewing of the course journal.

