

**A Report on
ITP-V**



Gujarat Technological University
*Center for Technology Education, Public Policy and
Universities of the 21st Century*
(GTU-CeTEPU-21)

Organized

***A One Day Induction Training Programme (ITP)
For Fresh Engineering Teachers, Round V***

**On
Active, Interactive & Effective Teaching**

Date & Time: 22nd October , 2016 (Saturday) at 10.30 AM

Venue: GTU Chandkheda, Ahmedabad (A2 Hall).

About ITP

Under an unique series One day Induction Training program for fresh teachers , Center for Technology Education, Public Policy and Universities of the 21st Century of Gujarat Technological University (GTU) has organized one more round i.e. Round-V on 22nd October, 2016.

To Improve quality of education our day to day classrooms should be more and more effective and full of excitements and curiosity to know. A passionate teacher can make their students passionate learner. Teacher should be caring , concerned and effective communicator to make classrooms interesting and active. The person should be good human being first to be a good teacher as he has to deal with the humans. With the kind consent of Hon.Vice Chancellor of GTU Dr.Rajul Gajjar and under her guidance this training is organized.The program is consisting of sessions comprising of area as Understanding Human behavior , Development of Communication Skills , Planning & Preparing for effective Lecture and formulating effective question paper.



Dr.D.H.Ahir , Key resource person & convener of ITP addressing ITP-V Participants

The concept design and delivery both are effectively done by the key resource person of this program , Associate Dean of GTU ,Zone-4 and renowned trainer in the field of pedagogical and soft skills Dr.Dilip H. Ahir. Total 135 teachers have shown interest through online registration out of that 109 teachers have participated in ITP-V .Till now around 500 teachers have been benefited by total four rounds of this one day induction training program on Active, Interactive & effective teaching. According to Dr Dilip Ahir , key resource person of ITP this program is highly required for newly recruited teachers. He has hands-on experience of training around 2500 teachers in the field of pedagogical and other soft skills. He says “When we send untrained teachers in the classroom ,it is not only a loss of the time of teacher only but we are at the loss of 60 hours of the student’s time assuming the size of classroom as 60. One poor and untrained teacher spoils the generations.Thus the effective and object oriented training to teacher should be in urgent priority in any academic system”. As an Associate Dean he appeals all the time that it is very important for each and every college administration to train their new teachers considering it in top priority. They should positively motivate and allow their teachers to participate in such kind of GTU program designed for the faculty members of affiliated colleges. Similar program should also be arranged continuously at the institutes too.

At the start of the first session Dr.Ahir said that a person should be good human first to be a great teacher. There is always difference between a real teacher and a person doing a job of teacher.The person has to work at being level rather than working at functional.The major

focus of this training programme is to prepare tomorrow's technical teachers who is able to effectively deliver lectures in classrooms , engage students off the classroom by virtual learning technologies and can be interactive and interesting in imparting classroom teaching. The program has covered following in detail during four different session throughout the day.

- Understanding human behavior
- Developing communication ability
- Preparing Plan to Work well
- Making use of ICT tools
- To develop skill for making Connection
- Ability to influence class for maximum transfer



Dr Dilip Ahir - Key resource Person -ITP Presenting session

What students are expecting from their teacher? According to the opinion of students which kind of attributes are welcomed by the students fraternity ? It is described by expert so that the teacher can try to be at par to the expectations. The students are always appreciating the teachers having some key attributes as under. They always have feel that “Their Teacher should

- Be interesting
- Work hard for them
- Care for them
- Appreciate us
- Help them
- Never be aggressive
- Make them to behave well
- Always there when they have problems
- Teach them on values and morale
- Tells them when they make mistakes in their work and correct without humiliation and aggression and forgiving approach for mistake.
- Look organised and pleasant
- Speak very sweet , fluent and ear pleasant
- Support them for growing as a whole.

The expert explained that it is really very difficult to be the best and effective teacher , as it requires a person who should be multifaceted personality. He should be assertive , he should be good at speaking and presentation , he should be calm and should have patience , he should have good knowledge , he should be humorous , he should be good looking and well organized ,

he should be punctual , he should be well prepared and of course a good human being. Thus one can think that it is not an easy journey to be a good teacher. The speaker Dr.Ahir stated that following characteristics is an essence of good teacher.

- Forgiving & Generous
- Caring and concerned
- Revolutionary & Reformer
- Facilitator and friend
- Great Listener
- Sweet and stunning
- Effective communicator
- Keeping all at equidistance
- Great Learner
- Calm & Relaxed

To keep whole class active it is necessary to be interactive in classroom avoiding one way communication. The ICT is now at the help of the teachers. The interactive techniques as mentioned under can be put easily into practice if teacher is well prepared. Expert explained about interactive techniques like Sketch & Say ,Choral response ,Point the pointer ,Story telling,Asking questions,Group Buzz,Brain Storming Etc. and to practice the same in each class in order to keep classroom bilateral and non-monotonous. Ony thing needed is to have the preparation in advance before delivery of the lecture. In its true spirit this is called lesson plan. An Ideal lesson plan is a plan of one hour indicating the objective, application , content , Use of media like figures , charts, animations ,video lectures , PPTs and the equipment required in classroom.



Participants of ITP-IV

Brief on the topics covered :

Domains of Human behavior :

The three major domains of human behavior are Cognitive , Psychomotor and affective domain.The majority of us the Indians are excellent at knowledge , average at skill domain and

almost unaware about the emotional aspect of behavior. The behavioral aspect of teacher should be very strong and he should be an assertive person with generous mind , forgiving nature and contributive approach. The passion for the teaching profession is must to be a good teacher in long run.

Development of Communication skill :

Interesting presentation can easily achieve concentration of the students. For making classroom interesting the verbal as well as non-verbal communication quality plays vital role. An effective orator never request or ask audience to focus and concentrate on his delivery , he/she is able to create concentration of each one of the audience bringing them to the level of “dhyanaavastha” by his/her efforts and skills. The posture and gesture in addition to an ear-pleasant delivery can create miracle in classroom. Many successful teachers do not require to take attendance as his/her classroom is always full of the audience. One exercise is also carried out explaining the participants how the message gets changed and distorted when it is conveyed by mouth to mouth talk when it is not delivered properly. At the fifth level only the whole message is observed fully distorted during exercise. This session as well as exercise was conducted by expert Prof.A.R.Rathod .The morale of the story is that the teacher should be very careful in delivery and the content should always be enriched of the other visual content to enrich the meaning. Not only that teacher should have to use other media like animations, graphs, videos, ppts ,models etc. for bringing better clarity in understanding content. Mere talkative lectures are not helping much to make students learn effectively.

Planning & Preparing effective lecture :

Speaker said that every teacher should work on 4 Ps and they are Plan, Prepare , Praise and Perform. Lecture planning should be done for each lecture indicating Topic title , sub topics , Objective , application of topic , the content ,proposed media to be used , summary and the exercise and assignment.

The prototype lesson plan is given by expert Dr.Ahir and explained. If there are 40 lectures in curriculum than 40 such lesson plans are to be prepared. Each one hour lecture lesson plan may be of 3 to 4 pages indicating each point in detail.

The image shows a lesson plan form with the following sections:

- Title :** _____
- Topic :** _____
- Aim :** _____
- Application:** _____
- Sub Topic** _____ **Time :** _____
- Content**
Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text
Text Text Text Text Text Text Text Text

Figures , Graphs , Charts , Block Diagrams etc.
- Media to be Used**
 - Board
 - PPT
 - Video
 - Film
 - Model
 - OHP
- Monotony Breakers**
 - Story
 - Punch Line
 - Sharing Experience
 - Brain storming
- Questions/ Small Exercises**
 - Ask
 - pick up right one
 - Opinion
 - Draw
 - Derive
- Summarize :** _____
- References (e- Learning Support)** _____
- Assignment(HomeWork)** _____

Off the class support is something very new concept given by the expert. By preparing and uploading video lectures, PPTs , lab exercises , class notes , question-bank , online examination papers etc. on dynamic website the teacher can remain in touch with students 24X7 using

ICT.It was also highlighted how the conventional classroom can be converted to smart classroom.

Formulating an effective Question paper :

The question paper design process is something where the university always finding trouble. Some of the question papers are not according to syllabus, some may be testing only cognitive part , some may be incomplete , some of the questions may be vague and some may not have improper weightage and distribution of marks.The difficulty level incorporated in question paper may be inappropriate and not as per the guideline given under curriculum of university. To address this issue one session is designed to discuss this area. The list of directive verbs for question is given to participants for different type of questions from sort to long answer questions.

Participants have appreciated it with positive feedbacks at the end of the ITP. All have requested to organize such programs very often and to have it for more than one day where possibilities of actual practicing of new techniques will also be possible.The training material is also given to participants in soft copy.

The training program was supported by Prof.Krutika Raval & Ms.Hema Rajput for planning as well as logistics.

Dr.Dilip Ahir is once again appealing to all GTU affiliated engineering institutes for arranging similar program at their institute or to motivate their young teachers to participate in these GTU -ITPs to transform them in the format of such kind of teachers who are capable of building generation of tomorrow. Media also took note of this event as under.



Previous ITP Report

Last ITP- IV Report (Completed on Date : 09-01-2016)

Fourth round of ITP was organized on 9th January 2016. Around 60 teachers from various GTU affiliated engineering institutes have participated in this one day program.

Report Link:

<http://files.gtu.ac.in/circulars/16Feb/19022016.pdf>