



Gujarat Technological University
*Center for Technology Education, Public Policy and
Universities of the 21st Century*

(GTU-CeTEPU-21)

A Report on

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

On

Active, Interactive & Effective Teaching

Date & Time: 9th January, 2016 (Saturday) at 10.30 AM

Venue: GTU Chandkheda, Ahmedabad (A2 Hall).

About ITP

Under a 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-IV on 9th January, 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. Dr. Akshai Aggarwal, Vice-Chancellor, GTU, always says that the person should be good human being first to be a good teacher as he has to deal with the humans. The program is consisting of sessions on Understanding Human behavior, Development of Communication Skills, Planning & Preparing for effective Lecture and formulating good question papers.

Till now around 350 teachers have been benefited by total four rounds of this one day induction training program on Active, Interactive & effective teaching. According to the resource person Dr. Dilip Ahir, Designer and chief resource person of ITP this program is highly required for newly recruited teachers. 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. 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 programme designed for the faculty members of affiliated colleges.



ITP-IV Participants interacting with Chief Resource Person Dr. Dilip Ahir

The major focus of this training programme is

1) Making classrooms non-monotonous :

After every 15 minutes, it is necessary to break monotony. By asking questions , by showing animations, by taking opinions, by appreciating efforts ,By using sketch and say type interactive technique , by displaying pictures/graph or by using humorous meaningful examples related to content it can be done.

2) Planning for effective teaching-learning processes :

How to prepare lesson plan for each and every lecture is described with format. The teachers can have lesson planning for each lecture separately comprising of all details like time, Topic, Sub topic, content, kind of media used, kind of interactive techniques to be used and kind of monotony breakers too. It also describes well in advance about the need of support equipment so that it can be kept ready in advance and can be informed to the person concerned taking keeping the custody of such equipment.

3) Keeping class interactive :

It is an art of a teacher to keep classroom bidirectional all the time. Keeping all students connected with the teacher is not an easy task? Mentally students may become disinterested once he/she is not able to get whatever is transferred by teachers. Thus by keeping frequent eye to eye contact with students, asking simple and short questions, using choral response technique, by showing interesting animations related to content as per plan, using brain storming, praising students for their efforts, showing images and graphs, using group buzz method, moving around the class and by continuous observation one experienced and trained teachers can make class interactive.

4) How to keep all involved and active :

Once understanding is there, there will be ease of concentration. Thus it is very important for teachers to use very simple words initially. The content should be granularized in very small part and it should be presented in digestible and easier format. The complicated part of content should be slowly added later on to avoid much complications in the process of understanding. Understanding at some point of time helps in having more ease of focus and concentration in learning of the further part of content. Thus teacher should always assure that the each and every sub topic delivered by him is understood properly as it is going to help in making them active in further content. To keep mental presence of students in class is again an art. Teacher must be well equipped with all those traits required to keep students curious to know , excited for learning and passionate to attend the classroom of his/her teacher with presence of mind. To keep students with teacher all the time is responsibility on the shoulder of teacher and a well-trained teacher can do it.

5) Enhancing students self-learning by support out of the classroom :

ICT is now at the help of teachers to be at the doorstep of the students all the time. A good teacher can prepare learning material like PPT, Video Lectures ,

class notes , Manuals , Question set , Online exams etc. for supporting students when he/she is not there in the class. With the use of technology it is possible now that students can learn at home and solve all his/her queries, problems, puzzles during the classroom. Thus directing teachers towards preparing study material and publishing it on web for students is a major focus of this training programme.

6) Effective Communication skill :

A person very good at communication skill can convince his/her audience easily. He/she can keep everyone connected with whatever he/she is delivering. The voice loudness, modulation , tone , correct gestures and proper posture , organized look and pleasant smile for students can create yours acceptance among students as a teacher. One can be a good communicator by having command on language, doing rehearsal and continuous practice to be better and better at each class.

7) Formulating question papers :

How to cover all types of questions? What should be the proportion of weightage for each type of questions? What kind of verbs are to be used to create exact understanding among students of what you have asked and what is expected? How to prepare balanced question having inclusion of easy, average and difficult questions. Step by step method to set question paper is explained to avoid error and possibilities of unintentional mistakes taking place in process of paper setting.



Dr Dilip Ahir - Chief resource Person -ITP , Presenting session

The participants have gone through an activity named “Who is your favorite Teacher?” A group of 3 to 4 teachers have been formed. Each one is asked to write some specific qualities and behavior they liked in their favorite teacher during their study. The qualities written by the teachers of one group are merged. Thereafter each group leader is asked to present the list of qualities they observed in their favorite teachers. Surprisingly the result has been found revolving around three to four qualities in general which is observed as Caring Nature of teacher, Effective communication skill, passion to help students (showing concern for students) and God command on subject. Thus it was concluded that what is needed ultimately to be a good teacher is care, concern, communication and command on subject.



Participants of ITP-IV

All 5 sessions were conducted by Dr Dilip Ahir interactively. 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 program was supported by Prof.Krutika Raval & Ms. Hema P. Rajput for planning as well as logistics.

Dr. Ahir is again appealing to all GTU affiliated engineering institutes for arranging similar program at their institute or to motivate their young teachers to participate in

Previous ITP Reports

these GTU -ITPs to transform them in the format of such kind of teachers who are capable of building generation of tomorrow.

ITP- I (Completed on Date: 08-08-2015)

ITP-I has been successfully completed on 8th August 2015 having registration of 166 fresh teachers out of that 120 have participated.

Report Link: http://files.gtu.ac.in/circulars/15SEP/09092015_03.pdf

ITP- II (Completed on Date: 26-9-2015)

Looking to huge interest shown by young teachers ITP-II of same training has been conducted on 26th September 2015. Total 265 teachers have shown interest to participate. As it was rescheduled and organized on Saturday, 80 participants took advantage of this training by remaining present at GTU.

Report Link: <http://files.gtu.ac.in/circulars/15Oct/01102015.pdf>

ITP-III (Completed on date: 09-01-2016)

Third round of ITP was organized on 1st November 2015 .Around 83 teachers from various GTU affiliated engineering institutes have participated in this one day program.

Report Link: http://files.gtu.ac.in/circulars/15DEC/14122015_05.pdf