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A 3 days Engineering Faculty workshop by Wipro-Mission10X from **29-08-13 to  
31-08-13**

It was a 3 days engineering faculty development workshop conducted by Wipro Mission 10X team organized in MVJCE, by the department of Computer Science & Engineering and presided by Principal Dr.K S Badrinarayan.

The facilitators of MISSION 10X team were Dr.Rajendra Joshi, Dr. Satish Kumar, Dr.Sujatha, Dr. Hema Chandra Bhat and Prof Bhuvan Chander.

30 participants attended the training and all the participants were faculties of MVJCE, which included HoD's, Associate professors and Assistant Professors of different departments.

#### Report of Day 1

##### Session I:

Workshop started with an informal inauguration at 8.10am and after with an informal introduction of the participants.

The introductory session was given by Dr.Rajendra Joshi, the session started at around 9.15am with a video demonstrating the importance of fundamentals in engineering education. An Engineering education should concentrate on 3 main attributes of an engineer that is Communication, Collaboration and Deep Learning.

##### Session II:

Session II was taken by Dr.Sujatha. She gave the importance of communication. How to use analogy in explaining any concept so that you can take the student from a known concept to the unknown concept easily.

Different methods of communication like verbal, visual, written, "questioning and Answering", presentation and the importance of each method were discussed. Also how to use appropriate methods for different topics such that it reaches all students with different levels of learning was told.



Faculties expressing their ideas on communication

### Session III:

Session III was taken by Dr.Hema Chandra Bhat. All the participants were made to realize the importance of Collaborative learning. A small group activity of constructing a three floored house in the giv-en materials was given to participants consisting of 4 teams. All the 4 teams actively participated in the activity and also understood the need for good collaboration in achieving the task.

### Report of Day 2:

#### Session I:

Dr.Rajendra Joshi delivered the importance of Deep learning by comparing with Surface learning. Deep learning involves remembering the concept, understanding the concept,, applying, analyzing, evaluating and finally creating something new.

The participants were made to understand the main attributes that is required to inculcate deep learn-ing in students considering the three learning methods like Instructional learning, auditory learning and experiential learning.



The Participants are involving in analyzing “deep learning”

#### Session II:

Session II on day 2 was taken by Dr. Satheesh Kumar who gave an overview of the three main attributes which has to be given importance in engineering education.

Each team was given a task of coming up with a new method /idea for class room teaching, laboratory teaching or guiding a project. Each team had to make a proposal on one of the three teaching methods or platforms they are interested to take up.



A faculty team presenting their ideas

### Session III:

Session III was also taken by Dr.Satheesh Kumar, One hour time was given for each team to make their proposal and submit. Each team was monitored by the trainers and given appropriate feedback for they proposal.



A team presenting their proposal

### Report of Day 3:

Session I and Session II: The 5 teams which made plan and submitted on day 2 had to give demonstration of the plan, each team came out with their own ideas to involve different teaching and learning methods in class rooms and laboratory teaching. After the completion of session each team had to give an action plan to inculcate the three main attributes in their own teaching and learning process. The workshop was concluded after the participants feedback with valedictory function.



Each team discussing their own ideas for different teaching

  
**Principal Signature with Seal**  
Principal  
MVJ College of Engineering  
Bangalore - 560 067