64. Enhancements in Teaching Practices

Prof. Rajashri K Patil

D.Y.Patil College of Engineering, Ambi Talegaon, Pune Maharashtra

*rajashrik.patil@dyptc.edu.in

In India, teachers of technical institutes are still following the ancient ways for teaching. No doubt, the aids are still creating the impact on students but not each and every student.

The teaching is in actual fact depend on teachers. If the teacher is updated with current technical topics, practical applications, industry requirements and exclusively willing to provide knowledge to students apart from scores or marks then it is definitely helpful for students for lifetime.

So teachers be supposed to use various technique s to give explanation of that particular subject to students like day to day examples, realistic or practical examples, design examples ,animations , software tools , industry applications, case studies, discussion, in house mini projects, hands on sessions , smart boards etc.

According to me, technical/practical knowledge of students must be improved so that they can use it to develop the applications. As per current industry era not only idea is important but also the implementation in terms of application is crucial.

For above necessities institutes should guide teachers by sending them for training at a variety of industries. In similar way its responsibility of teacher as well to update himself/herself for knowledge.

When students attend the lectures at start of semester, they do not have any idea about the subject, so its teacher's responsibility to put in plain words the content of subject in such a way that he/she get interest in that subject. For this, teachers should also have the complete knowledge and practical applications of subject. Teachers must use various tools, as mentioned above as per various topic of syllabus so students also get curious about subject and will definitely attend the lectures.

As per my opinion, try to avoid power point presentation with numerous slides, instead better use it for animated power point presentation with very less number of slides. Therefore, that student understands the systematic explanation of that particular topic. Avoid reading of slides.

For circuit's explanation, don't tell students how to draw circuits. Because a primary school student can also draw the most complicated circuit by considering it as a picture or drawing.

So tell the students that drawing of circuit is not important, the most important is reading of circuit. Once you know how the circuit works from diagram, you can draw the diagram very easily.

Explain the students how to view the circuits, what

aspects you should keep in mind while you examine the circuits, which common concept / rules/ methods you should apply to easily acquire the working / operation of circuit. This methodology gives the students a different view /idea about circuit operation and designing.

These are different ways to teach students to teach circuit related subject. For my current semester subject I am using these methodologies.

As a result, students become more confident and ready to design their own ideas as a hobby, competition, mini project, project etc. Definitely, knowledge and confidence gives beginning to new opportunities in their life to be successful as a technological engineer for the development of our nation.