

Best Practices

Department of Mechanical Engineering always strives to implement novel methods in teaching learning process. This enhances the learning capability of the students and makes them better equipped for all their future endeavours. Some of the best practices adopted by the department are:

1. Group summarization

In this method the whole class is divided into small groups of approximately 6 students (two benches) and are instructed to write some salient/important points on the previous class lecture. Any one student will present the salient points. Remaining batch students will present the points which are not presented. The whole lecture previously covered is thus summarized.

2. Real time demonstration

In this practice, the students are made into small groups and each group is demonstrated with working of instruments/equipment they have read or being taught in the class in real time. This enhances the visualization and understanding the concepts taught in the class.

3. Virtual reality environment

Some courses have software components which can be demonstrated to the students. For such courses the students are exposed to softwares by the way of demonstration taking some case studies. This enhances the learning capability of the students.

4. Activity based learning

This method is based on learning by doing concept. The students are given an activity/task and are made to note down the observations, components, etc. For example the students are given to disassemble clutch and are told to note down the components of the clutch assembly. By this way, the student will learn the components of clutch assembly. This is taken for class teacher assessment marks (CTA).

5. Project based learning

In this practice, the students are given projects, case studies etc. based on some topics of learning and are made to execute/solve the problem. This gives the student an overall understanding of the problem and the presentation after the solution improves the communication skills.

6. Literature survey from research papers

The students are made to read the research papers from reputed national/international journals to include in their project work literature survey. Also some latest topics in some subjects are taught through this literature survey so that students will be able to know the cutting edge technologies presently available. The faculty members will guide the students when faced with any difficulty in analysing the research paper.

7. Hobby clubs

The students gain knowledge by doing their work of interest in these hobby clubs. The department has several hobby clubs to make the students learn beyond curriculum. This fosters the interest of the students in their area of interest.

8. Industrial guest lectures

Guest lectures from experts from reputed industries are arranged in the department. This exposes the students to industrial practices and the student can directly interact with the resource person for better understanding of industrial practices.

9. Open book test

The students are made to take up open book test in some subjects. This increases the competency of the students. The students can refer any book and can answer the questions given in the given time frame.

10. Industry driven electives

In order to make the students aware of industrial practices and trends, the department offers elective subjects which are driven by industrial needs. The curriculum of the department has given great importance to industrial exposure to the students.