

BEST PRACTICE I

I Goal:

- ✓ To impart the technical knowledge by implementing laboratory activity.
- ✓ Encouraging the students by their special activity.
- ✓ To improve the performance of students in competitive skills through quiz session.

II The Context

Apart from the theoretical session of learning methodology, practical plays a major role in understanding the concept. To improve their skills and their subject knowledge a laboratory-based skilling activity is done.

Performance of the students are not only analyzed by their academic skills but also by their special activity.

Separate quiz session is implemented along with the subject assessment to improve their performance.

III The Practice

In laboratory activity a batch of 30 students are accommodated per session. Those students are divided in to 6 batches of 5 members each. The total experiments are divided in to 3 cycles which includes additional experiments.

Each cycle consists of 6 experiments and all the experiments are taught in the same session. The first cycle of experiments are taught by the respective laboratory handling faculty for all batches. The experiments are taught in such a

way that 1st batch of students will be learning the 1st experiment and so on. In the next practical session, the 1st batch of students will be learning the 2nd experiment taught by the 2nd batch of students and so on. This peer to peer learning will improve their practical knowledge by themselves.

All the special activities of the students are monitored by the class advisor and the respective mentors and the same is recorded by means of grade points. These grade points will be considered for their academic performance if they do perform well in their internal assessment / could not take the assessment.

Quiz session are conducted for all the analytical subjects for the students as a part of assessment through Learning Measurement System (LMS) which helps them to perform well in their competitive exams.

BEST PRACTICE II

1. Title of Practice

1. Effective utilization of Google class room.
2. Implementation of template methodology to enhance students writing skills.
3. Short description about laboratory for their ease of experiments.
4. Study of instruments / systems / machines / equipment in the laboratory.

2. Goal

- ✓ As a part of effective teaching Google class room is utilized by uploading class notes and related study materials.
- ✓ Special templates are introduced to improve the writing skills for every subject.
- ✓ All laboratory experiments are provided with a short note about the need of experiment.

- ✓ All equipment in the laboratory are studied by the students.

2. The context

The Google class room application is an open source for educational purpose which helps to improve the teaching learning process, apart from the class room activity.

Sample templates are provided to the students for theoretical subjects for ease of sentence formation and writing. In a similar way a short note of description of experiments are provided to the students to understand their experiments.

Studying the operation / working of equipment by students using books / manuals is encouraged.

3. The Practice

Google class room is a most used education tool for learning purposes. In this tool a faculty member can add large number of students to form a group for their respective subjects. The day to day activities like assignment, home work are shared and their corresponding subject materials will be uploaded either in video or text format. This tool can be accessed through their mobile phones so that they can easily access the materials on time.

Students are provided with a template. Templates are introduced with an example for a particular subject which helps them to reproduce the sentence with suitable modifications.

A short description is provided for the laboratory experiments where the students can understand the need of experiment in real time scenario. Also, it will

improve their technical knowledge about the experiment like their functions, applications, working principle and construction.

4. Proof of Success

- ✓ Google class room applications creates an effective communication between the faculty members and the students of particular class, even in their absence.
- ✓ It eases the process of query session.
- ✓ Template methods improves the writing skills of the students for theoretical subject which enhances their result percentage.
- ✓ Laboratory experiment briefing augment their practical knowledge.
- ✓ Study of instruments improves their domain knowledge.