



UNITED INSTITUTE OF TECHNOLOGY

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Best Practice I

1. Title of the Practice: Practical Learning

2. Objectives of the Practice:

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

3. The Context:

Apart from the theoretical session of learning methodology, practicals play a major role in understanding the concept. To improve their skills and their subject knowledge a laboratory-based skilling activity is done. Performances of the students are not only analyzed by their academic skills but also by their special activity and the same will be encouraged. A separate quiz session is implemented along with the subject assessment to improve their performance.

4. The Practice

In laboratory activity, a batch of 30 students is accommodated per session. Those students are divided into 6 batches per which comprises 5 members per batch. The total experiments are divided into 3 cycles which include extra experiments. Each cycle consists of 6 experiments and all the experiments were taught in the same session. The first cycle experiments are taught by the respective lab 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 practice session, the 1st batch of students will be learning the 2nd experiment which is been 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 has been recorded using grade points. These grade points will be considered for their academic performance if they were not performed well in their internal assessment.

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

5. Evidence of Success

The practice has witnessed a better level of outcome and approach in student's life which has exuberantly brought out the best skills in them. It has extensively brought out the innovativeness of students in applying those creative ideas into minor and major projects. Quiz sessions has helped out them to grade their performance level and IQ as well.

6. Problems Encountered and Resources Required

- Even though peer-to-peer learning is effective the time constraint is more.
- Monitoring the special activities of the students is difficult in the case of large numbers.
- Internet bandwidth is not sufficient for large numbers.

BEST PRACTICE II

1. Title of the Practice: Learning Management system

2. Objectives of the Practice

- As a part of effective teaching, Google classroom 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 for an experiment.

3. The context

- The google classroom application is open-source for an educational purpose which helps to improve the teaching-learning process apart from the classroom activity.
- Sample templates are provided to the students for theoretical subjects for ease of sentence formation. Similarly, a short note of description is provided to the students to understand their experiments.

4. The Practice

Google Classroom is the most used education tool for learning purposes. In this tool, a faculty member can add a large number of students to form a group for their respective subjects. The day-to-day activities like assignments, homework 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 the particular subject like sentence formation which helps them to reproduce the similar kind of questions.

A short description is provided for the laboratory experiments where the students can understand the need for an experiment in the real-time scenario. Also, it will improve their technical knowledge about the experiment like their functions, applications, working principle, and construction.

5. Evidence of Success

- Google classroom applications create effective communication between the faculty members and the students of a particular class, even in their absence.
- It eases the process of query sessions.
- Template methods improve the writing skills of the students for the theoretical subject which enhances their result percentage.
- Laboratory experiment imparts their practical knowledge

6. Problems Encountered and Resources Required

- Lack of Insufficient bandwidth and network coverage for effective utilization of google classroom application.
- Templates are difficult to adapt for analytical subjects.