

## *Best Practices in Teaching*

### *1. Amusement- An effective medium of teaching*

We believe, teaching-learning is just a process of acquiring the knowledge about existing facts and events, but not the relentless task. Teacher should do proper exercise to enjoy the teaching with student's participation. We mean, provide welcome relief while trying to follow a difficult lecture on a complicated subject. We use this tool, because we expect students, to enjoy my presence in the class.

### *2. Before the commencement of the lecture - We will try to understand the frequency of the lass*

According to fundamental law of nature, 'maximum energy can transfer from one body to other body if and only if, those two bodies are vibrating with the same frequency'. In teaching - learning process, teacher is one such body and the student is another. Hence, in the process of teaching, it is the responsibility of the teacher to understand the frequency (level of understanding the subject) of the student and accordingly he should tune his frequency. For instance, if the student's perception ability of a particular topic is low, than give some elementary knowledge of the subject, through some simple daily life examples. This tool made us to know the expectations of the students.

### *3. Objectives of the topic under discussion should be made clear at the beginning of the class*

We generally spend few minutes at the beginning of the class to clarify the objectives of the topic under discussion on that day. It helps to set the common platform between faculty and the students. We use few minutes at the end of the class for quick overview of the discussion made and the

objectives met. For instance, if we want to teach “Quantum Mechanics”, we will start our discussion with the simple objectives to know - What is Quantum Mechanics? What is the purpose of learning Quantum Mechanics? And in the conclusion, we recap the discussion made through the class duration clearly in few statements. This tool helps us in delivering outcome based teaching.

#### *4. We believe that, “Teaching is not a solo-acting and students are not just audience”*

Effective use of technological aids (animations, modeling and simulation) is essential to give better imagination of the concepts and their visualization. Trying to impart activity based education. Multi-task and multi-media activities are very well known by the student community. For instance, if we want to discuss about the LASER topic, we will show them some of the applications of LASER beam in various fields and its future scope through some slides. This tool helps us to give visualization of my thoughts.

#### *5. Quizzical at appropriate intervals*

It works out to be a better tool for us to ask some objective natured questions at a regular interval during the interaction, if students are unable to answer, and then give the short revision of the topic dealt. This keeps the students to be attentive in the class. Most of the times, students’ facial reflections is better indicator of our teaching efficiency, which aids us to tune for the further. This aids us in keeping the class active and interactive.

**Teaching is a very sensitive bustle,** *which cannot be formulated by the rules, it is only the teacher who can enhance the efficiency of teaching – learning process.*

*“Students are just the matter of concern”*