



# **Sandip University**

**School of Engineering & Technology**

Mahiravani, Trimbak Road, Nashik – 422 213

**Report**

**on**

## **Eminent Lecture Series**

**Academic Year 2021-22, Semester II**

**Organised by**

**Department of Basic Engineering Sciences**

### **Convener**

**Dr. Mahendra D. Shinde**

**Associate Professor & Head**

**First Year B.Tech**

### **Organizing Committee Members**

**Ms. Neetu Sharma, Assistant Professor**

**Mrs .Megha Kothawade, Assistant Professor**

**Dr. Anita Kailas Sanap, Assistant Professor**



### Eminent Lecture No. 3

**Topic:** *“Outcome Based Education (OBE)”*

**Resource Person:** **Dr. Arun Kumar Dwivedi, Director, IQAC, SUN, Nashik**

**Date:** Wednesday, May 11<sup>th</sup>, 2022

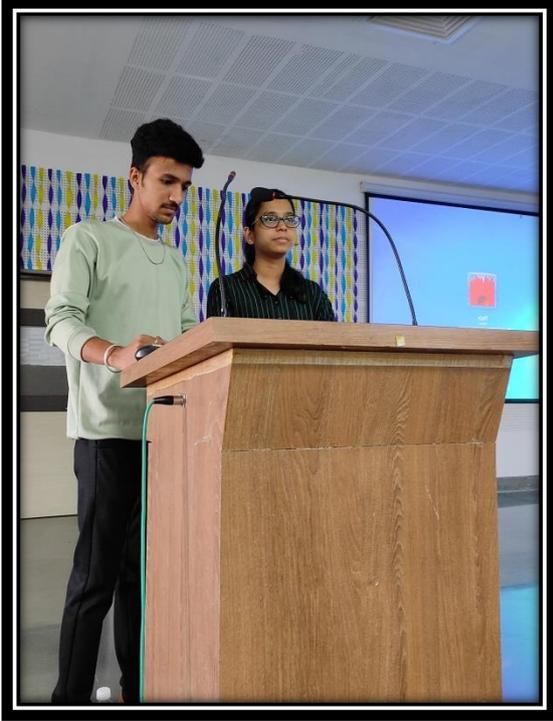
**Time:** 1:00 pm to 3:00 pm

**Venue:** Y Building, Seminar Hall, SOET

A guest lecture on **“Outcome Based Education (OBE)”** organized by the Department of Basic Engineering Sciences on Dt. 11-05-2022 for the First Year B.Tech. students. The eminent speaker was **Dr. Arun Kumar Dwivedi, Director, IQAC, SUN, Nashik**

Dr. Arun Kumar Dwivedi sir explained that the OBE is education in which an emphasis is placed on a clearly articulated idea of what students are expected to know and be able to do, that is, what skills and knowledge they need to have, when they leave the school system. It is also as called performance-based education (PBE) and is an attempt to measure educational effectiveness based on results rather than on inputs such as time students spend in class.

Dr. Arun Kumar Dwivedi sir compared the outcome based education and traditional education system. Traditional education system is highly dependent on theoretical aspects of learning. It repeats the humdrum way of teaching-learning process that just focuses on memorizing skills of students rather than skill development.



*Introduction by Students*



*Felicitation by Dr. M.D. Shinde, FE HOD*



*Session in progress*

Further sir also explained the various benefits of Outcome-Based Education (OBE) for Students which are as follows:

- ✚ It brings clarity among the teachers and students
- ✚ Every student has the flexibility and freedom of learning in their ways.
- ✚ There is more than one method of learning
- ✚ Reduces comparison among the students as everyone has a different target
- ✚ Completely involves students taking responsibility for their goals

Dr. Arun Kumar Dwivedi sir explained that the outcome based education is an educational methodology where each aspect of education is organized around a set of goals (outcomes). Students should achieve their goal by the end of the educational process. Throughout the educational experience, all students should be able to achieve their goals. It focuses on measuring student performance through outcomes. The OBE maps & measures students' performance at every step. The OBE model aims to maximize student learning outcomes by developing their knowledge & skills.



*Session in progress*

Further sir explained the traditional model of education doesn't permit institutions to identify which factors played the role of catalyst in helping them improve.

Teachers may guess that due to the implementation of certain aspects such as conducting guest lecturers has helped them improve a lot. For example, if the institution has 100 students that have passed the exam in the current year, and last year the number was 70 then, they may compare the results, and conclude that the ratio of students passing the exams has increased may be due to conducting guest lectures.

However, with the implementation of the OBE system software, every student's progress can be tracked based on their performance and differential growth at various stages or levels which also adheres to the education standard set by National Education Policy NEP 2020. With the mapping of PO-CO, best-suited assessments, question-wise outcome calculation, teachers can even be sure of factors that have helped them improve based on the final outcome sheet. The OBE software also enables them to generate reports related to CO-PO, students yearly attainments, Student-wise attainment, and course level attainment, etc. with CO-PO mapping software free from errors.

Such a teaching-learning process accelerates the chances of gaining certification from the National Board of Accreditation (NBA) & opening the doors of quality education for students.





The lecture concluded with a short Question and Answer session.

**Student's Feedback:** As per discussion with the students, the topic covered was appreciated by most of the students and requested to arrange such talk in the future also.