

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice -1

1. Title of the Practice: Recording of Class Video lectures and online assessment

2. Objectives of the Practice:

- Enable the teachers and Students for adapting the new teaching learning process via online platform
- To assess students' performance via SJBIT Portal and other online Platforms.

3. The Context:

As we all know that academic Year 2020-21 being the pandemic year, SJBIT has taken a lot of measures to ensure effective course delivery and safety of the students and faculty. To ensure effective course delivery, apart from regular online/offline classes, three dedicated studios have been set up on campus for the video recording of various courses.

The recorded videos, learning materials, quizzes, and so on were made available 24/7 to the students, online via Microsoft Teams. Similarly, assessments were conducted offline as well as online (through the SJBIT Portal as well as Microsoft teams' platforms).

4. The Practice:

- Initially, making the teachers adapt to the online mode of teaching using online platforms was a challenge. But gradually both teachers and students got adopted the blended mode of teaching learning. Initially, the zoom platform, Cisco WebEx and other platforms was used but later advanced platforms like Microsoft teams, google meet, was extensively used.
- Internet availability, bandwidth, and remote geographic locations of students were critical issues for few students. Later they managed to access the internet by moving to the locations of internet availability.

5. Evidence of Success

- Almost all the students were able to do well during the internals /external examinations.

6. Problems Encountered and Resources Required

Problems:

- It was not possible to capture video lectures for all the subjects
- It was difficult to handle laboratory classes

Resources:

- Upgradation of College portal for Online Assessments
- Electronic writing pads and audio-visual equipment/laptops

Best Practice - 2

1. Title of the practice: Implementation of OBE concepts for Teaching-Learning and Evaluation

2. Objectives of the Practice:

- To make the teaching learning process more effective and more interactive.
- To enable the teachers and students towards outcome-based education.
- To get accreditation from Accreditation bodies like NBA, NAAC etc.,.
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3. The Context:

The vision of the institute is to make students to learn fundamental concepts and improve thinking skills. Visveswaraya Technological University has implemented the CBCS Curriculum based on outcome-based education for all the affiliating colleges designed such that it would facilitate students to learn the concepts and the implementation.

Introduction of OBE helps to include the activities which help to make the students to learn the application of the concepts studied. Practice: Blooms level, Course outcome and Program outcome is mapped to frame questions for internal tests and Semester End Examination (SEE). All faculty members are trained at department levels to practice teaching based on OBE and setting Question papers.

4. The Practice:

- At the Initial stages create an awareness and the necessity of OBE concepts in higher education through workshops and talks from OBE experts.
- Motivate the faculties to participate in the FDPS, Workshops related to Outcome based education and also learn and understand the OBE through MOOC and NPTEL courses.
- As a part of the OBE implementation, graduate attributes like programme outcomes are determined for a programme. Further, every course in a programme has course learning outcomes. Each course helps to achieve two or more programme learning outcomes. Rubrics for different assessment components are prepared in advance. They are shared with students to apprise them about the nature of assessment for a course.
- Student Learning outcomes are assessed through Direct and Indirect Assessment methods. Direct Assessment methods are Continuous internal evaluation, Semester end examinations, Multiple Choice Questions, Lab Exam, Class room presentations, Assignments, Projects / Group Activities, and Simulation / Animations / Model / Chart Making, Case Study, etc. Indirect Assessment methods like Course end Survey, Program exit survey, Student satisfaction survey, Alumni Survey and Employer survey.

5. Evidence of Success:

As part of OBE implementation, the effective curriculum delivery, and assessment methods have been changed. Any teaching-learning method is as effective as the faculty member using it. In other words, a teacher should not only focus on what to teach but also on how to teach it. All teachers are familiarised with the OBE approach. Student's level of understanding the concepts has improved. This is reflected in the examinations results and the activities that are carried out by the students.

As a result, all the six UG programs affiliated under Visveswaraya technological university are accredited by the National Board of Accreditation (NBA) for the period of three years from 2021 to 2024.

6. Problems Encountered and Resources Required

- It is difficult to evaluate the attainment of certification programs and soft skills training programs conducted for the students.
- Student engagement for outcome-oriented learning in the classroom is a challenging task.
- Collecting the data for indirect assessment methods like Alumni and Employer Survey is time consuming