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Best Practices on Teaching-Learning

Best Practice I

1. Title of the Practice

Outcome based syllabus

2 .Goal

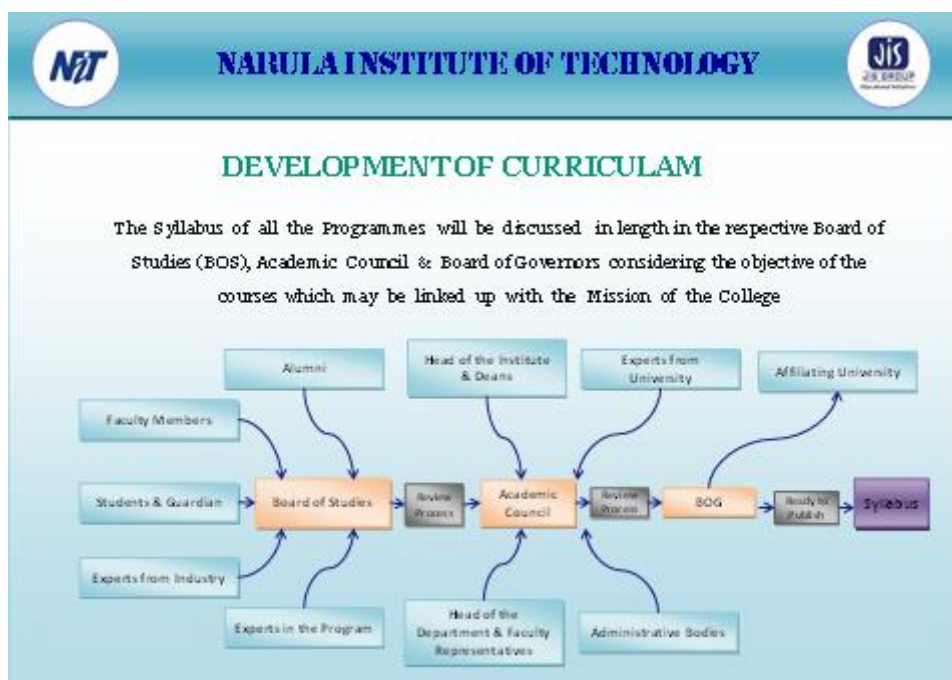
To aid in the overall growth of the students to make them ready for industry and to be acceptable by the society.

3. The Context

The technology is in a continuous change depending on which the need of the society is also changing. Therefore based on the need of the industry and society the syllabus is revised continuously taking the feedback of the different stakeholders.

4. The Practice

The feedback of the stakeholders are analysed in the Board of Studies (BOS) in presence of experts from industry academics and alumni members. On the basis of this the best framed syllabus is placed before the academic council for final approval. The syllabus has also been modified as per autonomy curriculum.



5. Evidence of Success

Success has been observed through the performance of the students.

6 . Problems Encountered and Resources Required

Problem that has been encountered is rapid change in technology. To overcome the problem more involvement of industry recourse person is required to design the outcome based syllabus .

Best Practice II

1. Title of the Practice

Interactive teaching learning methodology

2 .Goal

To make the classroom more student friendly and increase the attendance of the students.

3. The Context

To increase the interest of the students towards the courses and for better understanding of it.

4. The Practice

Lesson plan and online courseware of each subject is uploaded in the institutional and the departmental website prior to the commencement of classes. Thus the students come to the class knowing the topic that will be discussed. Moreover in this respect 100% faculty members had undergone pedagogy training.



5. Evidence of Success

Attendance and interest of the students have increased.

6. Problems Encountered and Resources Required

Problems that have encountered for slow Lerner . More remedial class or special class needs to be arranged for slow learner .

Best Practice III

1. Title of the Practice

Participation and certification of students and faculty members in Massive Online Open Courses (MOOCs) like NPTEL .

2. Goal

To increase the understanding of the students by providing them more academic exposure and nurturing the habit of self learning.

3. The Context

To fit in the competitive market this online course provides a broad spectrum of learning in different courses relevant to curriculum and beyond curriculum to the students. It also provides a platform of national level competition and a wide field of academic exposure.

4. The Practice

Local chapter of the NPTEL course has been established and about 300 students have gone through different certification courses. About 200 students appeared for examination and have emerged successfully.

5. Evidence of Success

More number of students successfully completed the NPTEL courses . Institute had been placed in the rank with rating A in the January – June Session 2018 .

6. Problems Encountered and Resources Required

Few students not showing interest to participate in MOOCs . They are encouraged and motivated through class teachers , their mentors . Newly admitted students are also informed in Induction Program .

Best Practice IV

1. Title of the Practice

Compulsory Industrial Training of the students

2. Goal

- To increase the level of skill of young engineers with direct interaction with industry.
- To increase employability of the students.

3. The Context

The exposure of young engineers to the industry and present day industry requirement is of utmost importance. An incubation cell for these pass out engineers with direct intervention with industry can be a good platform for them to improve their employability.

4. The Practice

In house and external training programmes are arranged for the students periodically.

5. Evidence of Success

Students find profound interest in taking up the training lessons as it helps them to sort out their weaknesses.

6. Problems Encountered and Resources Required

Arrangement of Long duration (3 to 6 months) training or internship for all students during semester classes and also linkage with industry is one of the problem that has been encountered . To overcome these problems , Institute is collaborating with Industry through MOU sign to enhance the industry linkage. Also different department are organizing training program in side the Institute inviting resource persons from industry

Best Practice V

1. Title of the Practice

Incubation of Innovation.

2. Goal

- To encourage and assist in setting up enterprises by individual including first generation entrepreneurs through appropriate training
- To create awareness among various target groups on entrepreneurial opportunities in West Bengal and India.

3. The Context

To spread entrepreneurial education at the college among the students so that they may acquire skills for self-employment.

4. The Practice

Students were encouraged to enrich and incubate their ideas and guided for entrepreneurship and self employment.

5. Evidence of Success

A good response was observed from the students. A MOU has been signed between MSME and Narula Institute of Technology as host institute.

6. Problems Encountered and Resources Required

The problem that has been encountered in this practice participation large number of students for self-employment through entrepreneurship. For the mind-set of large number of students, the Incubation Cell of the Institute is going to organize more awareness programme on entrepreneurship inviting successful entrepreneur.