

Best practice No. 1

1. Title of the Practice:

Organizing National Level Technical Event (IMPULSE, Technofest, NICE, PATW etc.)

2. Objectives of the Practice:

- The objective of the event is to bring the students of various streams from different institutes on a common platform where they were encouraged to share knowledge and innovative ideas.
- To exhibit the talents and skills of the future Engineers both in Technical and Non-technical themes organized in the events.
- To develop leadership qualities, organizing skills, project management skills and interpersonal skills in the student's.
- To explore about student's hidden potentials through various competitions
- To make students feel confident to face the present and future challenges.

3. The Context:

National level technical events organized by various student's associations of Institute under the guidance of faculty members during academic year. Students from all over India participates in various competitions (Mechtrix, Paper presentation, Technical Quiz, Poster presentation etc.)

4. The Practice:

IMPULSE & TECHNOFEST - Under these events 10 - 12 various competitions are organized and students from various colleges are participated.

NICE (Nurturing intelligence in curious engineers) - Institute host North Maharashtra University (NMU) region competition. Every year teams from NMU region participate and two winning teams are qualified for western region competition.

IET-PATW - This is a technical paper presentation competition organized at university level and winner of this event participate in regional level competition.

5. Evidence of success

The success of students in academics and placements reflects the after participation in these type of events. Project management, presentation, innovation and technical abilities are enhanced amongst the students.

6. Problem encountered and resource required

These events are organized during academic year in a compact schedule of teaching and learning.

Therefore, some of the students are reluctant to participate.

Dhule is growing city, but it is difficult to find sponsors for these events. Therefore, total financial burden is to be borne by Institute.

Best practice No. 2

1. Title of the Practice:

Running Various Technical Clubs (Mega ATV, E-vehicle, Energy for future, Artificial Intelligence, Robotics Club)

2. Objectives of the Practice:

- To provide platform to the students to apply technical ability to test the concept by practical applications.
- To develop better understanding of Technical Concept by hands on practice to the students.
- To provide a holistic personality development.
- To enhance project management, financial management, team building skills among the students.
- To enhance interpersonal and communication skills.
- To improve employability of the students.

3. The Context:

Technical Clubs formed by individual department to provide platform for the students to apply their concepts in practical application. It provides place to the students for introduction of concept and understanding for innovation.

4. The Practice:

MEGA ATV Club: Students from various departments voluntarily join this club and contribute with college to design, development and manufacturing of racing car. That manufactured car is participate in Mega ATV competition. Mega ATV is National levels inter collegiate Engineering Design Competition for UG students, organized by "Auto sports India". In this competition vehicle is undergone for Vehicle technical inspection, car completion for testing drag, flat dirt and endurance.

E-Vehicle club: Objectives to form this club is to develop energy efficient E-bike, which will give students opportunity to enhance their innovation skills.

Energy for future: Objective if this club is to develop projects on renewable energy. The students of this club participated in various paper and project presentations. Many projects a developed in this club and patented jointly with students.

Robotics Club: Objective of this club is to create thinking of programming skill and team work. Students in this group voluntarily came together to realize their passion.

5. Evidence of success

The successes of Technical clubs' members are reflecting by winning prizes in various paper and project presentation competitions. Patents are also filed on the basis of projects developed by these clubs. Project management, presentation, innovation and technical abilities are enhanced amongst the students.

6. Problem encountered and resource required

These club memberships are voluntary. Therefore, all the students are not able to participate because some students give more preference to the academic. Financial burden is jointly bearded by Institute and members of club. Therefore, large innovation projects which needs large amount of funds cannot be taken.