

BEST PRACTICES:

Best Practice: 1

1. Title of the Practice:

“Employability enhancement by imparting professional skills through Training & Placement activities”

2. Objectives of the Practice:

- 1.To make students confident through professional activities.
- 2.To impart company specific trainings required for professional career and campus placements.

3. The Context:

In the learning context of students, the cognitive, psychomotor and affective domains are three important aspects. The cognitive abilities include technical knowledge and are acquired through regular classroom and practical sessions. However, it requires additional efforts to impart psychomotor and affective aspects through professional skills in engineering education. Current placement drives have stages like aptitude test, group discussion, technical interview and personal interview. The feedback obtained from industry experts, alumni, HR executives suggest that only academic performance is not enough to get quality placement. The students are also required to have skill sets of core domain required by industries so that the students will be productive from day one.

4. The Practice:

The Institute conducts regular professional activities as described below:

4.1 Value Added Program by Industrial Experts: Besides curriculum, the department facilitates various value-added courses, seminars/guest lectures/expert lectures by eminent personalities.

4.2 Soft Skill Training: Being located in the rural part, the Institute is facing the challenge of soft skill development of the students. Communication skills, aptitude test proficiency are important parts of soft skills. For this activity, weekly 02 hours are allotted in the time table. Separate lesson plan for 40 hours is prepared and accordingly delivered by the respective faculty members.

4.3 Language Proficiency Program: Student development committee organizes training activities for learning German Language. Also Institute has given opportunity to the students to study Japanese language by selecting this subject from the list of optional subject.

4.4 Effective execution of AICTE internship policies:

AICTE has formulated its internship policy for the students of technical educational programs vide its letter No. AICTE/Internship Policy/18. The policy comprises of the steps for establishing, maintaining and fostering internships. The students have been provided with a diary which is to be maintained by the respective student during the period of internship. The structure of this diary is designed as per the AICTE internship policy. In this diary the student mentioned the details of company's profile, its departmental layout, details of the duties performed by the student daily. After the internship, certificate of successful completion of training is given to the student. Institute monitors the status of internship performance by physically visiting the industry where he/she is placed. Institute also takes effort to ensure that

no student is left out from the internship process. This practice ultimately enhanced the employability of the students.

5. Problems Encountered and Resources Required

As most of the students are from rural background, they lack in English communication, presentation skills and expressions. Their confidence level is comparatively lower. It takes a lot of time and need counselling sessions to make them participative. As most of the students are from farming background, they spare their time in farming work. So, students don't find time to spare for add-on courses offered by the institute. The input from the industry experts/ external agency/ alumni/ academicians is to be taken while preparing activity plan. Student's mentoring is necessary while selecting value added course, foreign language trainings.

Best Practice No 02:

1. Title of the Practice:

Learning through state and national level competitions

2. Objectives of the Practice:

- i. To develop problem solving skills amongst the students.
- ii. To provide the right platform for the students to showcase their talent.
- iii. To train the students for applying the concepts of domain knowledge to the live industrial/societal problems.

3. The Context:

To build the confidence and to give the exposure to current advancements in the technology; Institute promotes the students to participate in reputed project competitions as well as consultancy projects. Students are encouraged to learn by participating in various competitions like AVISHKAR, ANVESHAN, HACKATHON, DIPEX, Technical rangoli competition, science exhibition, state level technical competitions, best reader, videography competition, quiz competition, mini/major projects to enhance their problem-solving skills etc R&D promotes students for filing of patents for their innovative projects. Institute received consultancy work from Pachgani nagar parishad and Vaduj gram panchayat.

4. The Practice:

AGCE conducted University level AVISHKAR 2022 competition in association with DBATU Lonere on 24.12.2022. In this competition; one gold medal and one silver medal was achieved by our PG category students Mr Akhaykumar Kadam and Ms Shivani Kakade respectively. During last five years total 02 gold medals and 01 bronze medal is achieved by our students at University level AVISHKAR competition. The Institute has also conducted zonal level AVISHKAR 2019 competition in association with DBATU Lonere on 09.11.2019. Total 04 gold medals and 02 silver medals are received at zonal level AVISHKAR competition. Also for National Level competitions; one student received gold medal in ANVESHAN while for HACKATHON competition; one student group presented their idea at Chhattisgarh state. Two students Mr Shrikant Shejval and Mr Vishwanath Metkari presented their innovative projects in DIPEX. The R&D committee promoted and published industrial/innovative problem statements. During A.Y 2021-22; 01 international patent is filed by Dr G S Mirajkar, 02 Indian patents are successfully filed by the students along with their faculty members. During last five years total 06 patents are filed. Institute has completed the consultancy work for geotagging of trees, water audit, energy audit in Pachgani nagar parishad. Also, water audit and energy audit of Vaduj gram panchayat is successfully done by the students along with faculty members.

5. Problems Encountered and Resources Required:

The Institute has large number of students which are from rural background. These students are good in their domain skills but need to mould them for soft skills. The Institute takes efforts to improve their soft skills through the sessions planned in their regular time table. Mr Abhay Kale and Ms Nikita Bhilare conduct these sessions and arrange various activities for developing the soft skills of these students.