

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best Practice - 1

1. Title of the practice

" Foster Skill development of the students "

2. Goal

Foster Skill development aims

- To develop the conceptual skills to the students
- To apply the knowledge of basic engineering fundamentals and engineering specialization to the solutions of the complex engineering problems is inculcated through student centric learning.
- To increase network with peers to observe and learn more.
- To mechanize the students on their regularity, punctuality, and congeniality, as well as the growth of a holistic personality.

3. The Context

Teachers facilitate student learning in the classroom, encouraging them to practice skills, expertise, and critical thinking abilities. Teaching with pedagogy includes evaluating the students' educational standards in skill sets. In recent years students are more fascinating about the field of CSE,ECE, Robotics, Artificial Intelligence, etc and pursuing their studies in that field.Hence, in order to promote interest in the field of mechanical the students are provided with more training through practical by producing equipment like knife, Billhook, etc in our college. A separate workshop is functioning effectively for the students in the mechanical department.

4. The Practice

The word 'Foster' literally means 'encourage the development of'. With such a mission, SEC has established a "Foster Skill development" that offers more practical experience which goes hand in hand with the academic curriculum. The training content focuses on the overall development of the prospect of the students.

i. Promoting the students for their involvement in curricular activities within the campus by assigning additional exposure under an able guidance of faculty.

ii. Inclusion of Skill based courses at Undergraduate level. In addition to conventional laboratory courses, a ONE non-credit 'Skill based Course - NSS' finds its place at second semester of all UG programs on campus, towards enhancing skill development attitude of learners in tune with Nation's 'Skill India' initiative".

iii. Producing new equipment from waste metals like broken iron windows, doors, gates, etc.

iv. Workshop Area: 366.95 sq m. The General workshop in the department of Mechanical Engineering comprises of fitting shop, carpentry shop, foundry shop, smithy shop and welding shop. It is well-resourced for Fitting, Carpentry, Welding, Smithy, Sheet Metal Sections apart from Fabrication Section, where all in-house fabrications are made. Separate Foundry Process and Welding Sections enable to get 'hands on' experience about Foundry Process and different welding methods. The workshop facilities and experiments promote parallel growth in theoretical and practical skills. Equipments in our workshop includes Welding Transformer with Cables and Holders, Welding Booth with Exhaust Facility Welding accessories like Welding Shield, Chipping Hammer, Wire Brush, Etc. Oxygen and Acetylene Gas Cylinders, Blow Pipe and other Welding Outfit, Centre Lathe, Hearth Furnace, Anvil and Smithy Tools, Molding Table, Foundry Tools and Power Tool: Angle Grinder .

iv. This initiative is very helpful to the college "Nearby dropouts" to gain experience in the skill sets for their development.

5. Evidence of Success

- All the waste metals have been used for practical experience of the students is the prominent impact of the skill development system.
- Students can engage in a variety of experience in forming practical exposure through practical learning.
- Faculty and students take project-based learning seriously.
- Creating a platform for delivering skill development programmes.
- Relevant and accessible training to amplify the quality of organizational skills and technical training of the students is provided.

6. Problems Encountered

- Students are hesitating to take part in activities because of lack of confidence and daring.
- Frequently every one working in the workshop are advised to follow safety measures by observing rules and to handle the hard equipments, sharpen materials very carefully for their safety.
- While practicing in high temperature safety precautions should be observed by all the students at all times.