7.2 Best Practices

Describe at least two institutional best practices

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

1. Title of the Practice: Mission Green

2. Objectives of Practice
- To inculcate environmental values and consciousness amongst learners, faculty and society.
- To ensure the protection of the environment through green energy initiatives and effective waste management measures.

3. The Context

The environment has gone through drastic changes due to factors like pollution, over usage of plastic and mismanagement of natural resources. To control the devastating environmental changes, public awareness regarding environmental issues is served through the numerous green initiatives and practices taken in the institute. The challenge lies in changing the attitude of the use-and-throw culture; by inculcating the tradition of recycling.

4. Practice

The institute takes numerous Green Practices for developing environmental awareness and for carrying ahead eco-friendly programs. Some of the highlights of Green Practices in 2022-23 are:

1. An MOU has been signed for the period of one year from 9th August 2021 to 8 th August 2025, between K. C. College of Engineering and Management Studies and Research situated at Thane (E) and Ms. Rashmi Joshi, Environment Consultant, Mumbai with the following objectives:

- To conduct awareness sessions amongst youth and students about the use of waste as well as water as resource and its relationship with climate change and global warming (Promote knowledge and provide training to students, faculty and non-teaching staff or
  segregation at source and composting)
- To encourage and promote environment related activities such as Composting, E-waste Collection, Seed balls and Rainwater Harvesting.
- To sensitize and involve students from the college / institute for promoting the concept of environment related projects.
- To conduct periodic supervision for composting projects.
- To provide guidance to develop along with zero waste, a medicinal/herbal garden in our campus.

1. The Eco club celebrates Vat Purnima on 21st June 2024.
2. Eco club celebrates E - Waste Collection Drive on 23 April 2024
3. Eco club celebrates Green Audit and Guest lecture (TE-IT Students) 2 April 2024
4. Eco club celebrates Workshop on "Preparation of Eco-Bricks" For NSS Camp on 9.2.2024
5. Eco club celebrates Workshop on "Plantation of Micro-Greens" on 6.2.2024
6. Eco club celebrates Dry-waste drive on 23.12.2023 to 28.12.2023
7. Eco club celebrates E-waste drive on 15.12.2023
8. Eco club celebrates Amla Navmi on 17.11.2023
9. Eco club celebrates Seed Plantation Trek on 7.10.2023
10. Eco club celebrates Wrinkles Ache Hai (Carbon Footprint Reduction event)"No Iron Day" (Every Monday) (Notice Date) on 27.10.2023
11. Eco club celebrates FE Induction Program on on 22.08.2023
12. Eco club celebrates Tree Plantation Drive on on 24.06.2023

5. Evidence of Success

1. An MOU has been signed for the period of one year from 9th August 2021 to 8 th August 2025 for five years.

2. There were 177 faculties and students had participated in quiz programs and got certificates.

3. First, second, third and consolation prizes had been given to the learners who won the respective positions in the presentation competition.

2. **Title of Practice**: Soft Skill
   1. Objectives of the Practice Develop effective communication and Team skills.
   2. Strengthen problem-solving skills.
   3. Cultivate leadership qualities.

Content

Soft skills, often referred to as interpersonal or social skills, are essential for success in any workplace. Technical skills are specific to a specific job, while soft skills are versatile and applicable in various professional and personal settings. These skills include communication, teamwork, adaptability, problem solving, and leadership.

Practice: - Memorandums of Understanding (MOUs) between educational institutions and industries enables students to gain practical experience, improving communication and teamwork. Rotaract clubs provide a platform for soft skills development through activities like public speaking and community service, enhancing communication and leadership. Companies like Infosys offer online platforms with interactive courses and workshops for students to improve their soft skills. KCCEMSR, as part of India's National Intellectual Property Awareness Mission (NIPAM) under "Azadi ka Amrit Mahotsav," hosted a workshop on Intellectual Property Rights (IPR), educating participants on patents, copyrights, trademarks, and trade secrets, including practical exercises in preparing and filing patent applications.

3. Evidence of Success

From AY 2018-19 to 2022-23, twenty-nine activities were organized (list attached). Problem Encountered In the aftermath of COVID-19, students have demonstrated a noticeable deficiency in interpersonal skills, whether in their actual abilities or their outlook on entrepreneurship. Encouraging students in this regard has proven challenging, as only a few initially expressed interests. While forming a substantial team required considerable time, we are now making strides forward.

1. **Title of the practice:** E-Cell and Ideation Innovation Automation and Research Lab (IIARL)

2. **Objectives of the practice:**

- To impart relevant skills to the students with a motive to make them self-employable.
- To help the students who are eager to become entrepreneurs, develop business ideas.
- To help both budding and would-be entrepreneurs with refining ideas and providing practical guidance.
- To undertake research activities, train entrepreneurs, identify opportunities and pursue them.
- To establish global leadership in all fields and develop competent human resources for providing services to society.
- To incubate students with sustainable business plans within the campus, thereby providing them with an ecosystem that would help them grow as entrepreneurs.

3. **Context that required the initiation of the practice:**

4. Rapid technological advancements lead to diverse market demands. There is ample opportunity for individuals with specific skill sets to establish their own businesses in response to these needs. The Indian ecosystem is now providing a platform for budding entrepreneurs by creating an environment for start-ups and umpteen opportunities to acquire seed funds from government and non-government agencies.

5. **The practice:**

As the years have passed, the E-cell team has matured, with alumni establishing their own start-ups and mentoring the younger and newer generation, transforming into a self-assured and motivating team of mentors and mentees. Several start-ups under Muter, the umbrella of E-cell, have become motivational factors for incoming members by sharing their success and failure stories.E-cell has initiated training students through hands-on workshops such as mobile/laptop repair courses, ethical hacking, and cyber security, providing a valuable opportunity for self-realization and enhancing their employability.5.Evidence of Success From AY 2018-19 to 2022-23, twenty seven activities were conducted (list attached).

4. **Problem Encountered**

Post-COVID has been an era where overall students lack interest, be it in their skills or their attitude towards entrepreneurship. Motivating students to pursue entrepreneurship became a daunting task, with fewer students initially showing interest. It took quite a while to build a significant team, but now we are up and moving

E- Cell Some of the highlights of Ecell activities in 2023-24are
1. Ethical Hacking on 8/2/2024
2. IOT at your Fingertips : Connecting the Future on 29/09/2023, 30/09/2023
3. Engineer's Day on 15/09/2023
4. Game Development under weekend with E cell 9/9/2023

6. Evidence of Success (2023-24):

Several workshops have been conducted to enhance the skills in various emerging technologies, by students of E-Cell. Two international projects from the USA were entrusted to the students of E-Cell and a formidable amount of more than 2 lakh has been earned by the students, and the project is still on. The students are paid monthly for the work entrusted to them.

E-Cell has also developed an automated seeding vehicle for M/s Jariwala Robotics to help farmers of Tumsar. This is a prodigious project as it is funded by the ministry, it is a project which will be endorsed by various companies who are interested in this prestigious project.

A few students of E-cell bagged the internship at a US based company "Infogen Labs" and based on their performance they will be absorbed by the company.

7. Problems Encountered and Resources Required

E-cell faced a lot of obstacles in the initial stages and a few strategies were adopted in the coming years to improve them. Funding has always been a major obstacle, with others being appropriate equipment for carrying out the work and lack of time for innovation and research.

To make everyone know about the presence of E-Cell was a big challenge, to overcome this E-cell created its existence on social media. Entrepreneurship tips and Technical knowledge are being spread through Instagram posts on a weekly basis, this also makes students know about the latest updates in technologies.

Requirement for students skilled in 3D designing and printing is the need of the hour but there is a scarcity of such skilled students. Students are now being trained to fill up this lacuna.

To cater to some of the obstacles like funding, the E-cell is trying to get funds from various Govt. funding agencies.

Resources required: Funds, Electronic Test & Measurement Equipment and components. 3D Printer, Laser engraver.