



BEST PRACTICES

Best Practice - 1

1. Title of the Practice

Faculty and Student immersion Programme

2. Objectives of the Practice

- To focus on idea generation and problem-solving skills for driving innovation and engaging students in problem solving skills.
- To foster deep understanding and firsthand experience within the environment they are exploring
- To equip students to analyze rural development challenges and propose viable solutions.
- To work on real world problems addressing specific SDGs

3. The Context

- There is often a gap in awareness regarding sustainable development initiatives and local governance practices, which this program aims to bridge.
- Encouraging interdisciplinary collaboration, creativity and to inspire students into translating academic concepts to practical marketable solutions.
- Identify the local problem and provide them with a solution

4. The Practice

All the students of first year Engineering will attend two days of immersion program in an established organization that empowers rural communities, foster technical innovation, entrepreneurship and startups. The first-year students will be grouped in batches of 250 to 300 students and it will be made compulsory that all the students visit the organization. Once all the students attend the immersion program the Ideathon will be conducted. Before Ideathon the team members will participate in ideation and brainstorming sessions together. Each team will consist of four members. The students will upload their ideas based on the 17 SDGs. The students will be given enough time and the template for presenting their ideas. At the end of Ideathon the students will present their ideas to a panel of judges with a broader audience. The best three teams will be selected for each SDG and an overall of three teams will be selected. Totally 57 teams will be awarded with prizes. The ideas generated in the first year will be developed as live in lab projects and further.

5.Evidence of Success

This immersion programs helped the participants to push the boundaries and improved creative thinking. The students developed skills in communication, fostered teamwork and gained leadership qualities. The participants were given hands on experience in tackling real world problems which will be relevant to their future studies and careers

5. Problems Encountered and Resources Required

The major problem encountered was making all the students, not even leaving a single student to attend the immersion program, the batch formation, framing the time table for visit and transportation. Making all the students participate in the idea generation is another big challenge as it is compulsory for all the students. The students will be accompanied by the faculty so that all the faculty handling first year will also attend the immersion program.

Best Practice - 2

1. Title of the Practice

Intellectual Property Rights Cell

2. Objectives of the Practice

- To assist in the identification and protection of inventions, trademarks, copyrights, and patents developed within the institution.
- To foster a culture of innovation and research by protecting the rights of creators and inventors.
- To establish partnerships with industry, legal experts, and other institutions to enhance the institution's IP ecosystem.
- To assist student and faculty-led startups in navigating IP issues and leveraging their intellectual assets.

3. The Context

The institution faced challenges in ensuring effective IP protection, enhancing awareness of IP rights, and fostering innovation among students and faculty, necessitating a structured approach to address these issues.

4. The Practice

Conducting Intellectual Property Rights (IPR) Workshops and IP Clinics for students participating in various innovation ecosystem events, such as Ideathon, Solvathon, Innovathon, and Inspirathon. The initiative includes assisting and guiding students in patent filing and prosecution processes.

5. Evidence of Success

- Improved institutional rankings, such as positive scores in the National Institutional Ranking Framework (NIRF).
- Achieving ownership and protection of students' intellectual property.
- Successful filing of approximately 100 patents per year.

6. Problems encountered and resources required

- Need dedicated space to organize an IP Clinic.
- Need dedicated full time faculty to guide them as it is involved in technical paper writing time consuming process to make the students to understand and involve them to complete the task.