



7.2- Best Practices

Best Practice-I

1. Title of the Practice: Mentorship Scheme

2. Goal

- To plan students' personal and professional objectives.
- To enhance presentation/written and oral communication abilities.
- To increase general aptitude test/technical quiz proficiency.
- To cultivate leadership abilities.
- To understand resume writing and interview preparations.
- To track the entire development of students till their graduation.

3. The Context

- In addition to adopting a good teaching-learning procedure that promotes students' technical knowledge, the Institute has devised new ways for the students' entire personality development.
- Through the Mentorship scheme, the institute has developed a systematic road-map for enhancing the various aspects of personality development, such as Communication Skill, Presentation Skill, Teamwork, leadership qualities, resume writing, etc., and preparing them for the challenges of the industry.
- Students who are deficient in any of the abilities are ready to participate in the various activities organised under the Mentorship Scheme in order to improve.
- The goal of the mentorship scheme is to provide training and guidance to undergraduate students in all disciplines, as well as to increase the participation of all undergraduate students from F.E to BE in the various activities conducted by the Institute, which will be beneficial to them in their post-graduation lives.
- Faculty who serve as mentors contribute significantly to the education and training of undergraduates interested in gaining practical experience in a variety of activities. Students generally evaluate their experiences based on their interactions with their mentors.





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Therefore, the involvement of faculty member in scheme is vital to the success of the programme.

4. Practice

- In the mentorship programme, a teacher (mentor) is assigned to a group of roughly 20 students (mentees). Approximately five students from each year, i.e. F.E, S.E, T.E, B.E, and M.B.A., make up the twenty-member group.
- Mentor meetings are held once every other week. In the meetings, diverse activities such as professional goal setting, presentation skills, communication skills, resume writing, aptitude tests, etc. are undertaken.
- In addition to these activities, the mentor must maintain the academic records of the mentees assigned to him, including their monthly attendance, academic performance, co-curricular engagement on and off campus, etc., and inform the parents.

5. Evidence of Success:

- The mentorship system's success is demonstrated by the students' overall personality development.
- Upon entering their senior year, those students who lacked self-assurance, communication, and presenting skills were seen to have made slight progress in the aforementioned areas.
- Parents were pleased to have a system where the entire progress of their child is tracked and communicated to them in a timely manner from the first year till the candidate completes engineering.
- Since the adoption of Mentorship Scheme, there has been a little increase in the number of students engaging in various events organised within and outside the college.

6. Problem Encountered and Resources required:

- Due to the institute's remote location, students there aren't exposed to as many modern advancements. Mentors help people overcome this by bringing this to their attention.
- It was challenging to change the pupils' thinking such that their personalities would develop without impairing their academic performance.





Best Practice-II

1. Title: Environmental sensitivity

2. Goal:

Students, faculty, and other members of the college and community are all stakeholders in the institution's mission to educate them about the importance of environmental conservation and preservation. There is a Green Policy Document in place at the university that outlines how it intends to raise environmental consciousness among all stakeholders, encourage responsible use of energy and water, and keep the campus litter-free. The use of renewable energy, tree planting campaigns, cleanliness campaigns, woodland paths, and waste management are all ways to assist the environment remain sustainable. Guest lectures, conferences, workshops, poster presentations, and rallies are all effective ways to raise awareness.

3. Context

Environmental awareness and sustainable development are intimately linked. Sustainable development can be improved by ensuring that environmental resources are used wisely and preserved. As a result, students and other stakeholders can play a critical role in helping to safeguard the global environment and its resources, ultimately leading to long-term growth. In order to conserve our environment and its unique resources, we need to instil in our kids a variety of environmental principles.

4. Practice

1. On Grid Solar Power Plant

An updated solar-wind hybrid power generation system that can produce 100 KW of energy has been installed at the institution. Tube lights and fans are powered by this energy in the administrative office, principal's cabin, audio-visual hall, and classrooms. The facility contributes its unused electricity to the MSDCL grid.

Utilizing LED lights and tubes also decreases the need for traditional energy. The parking area and walkways have solar street lighting. Energy audits are performed to monitor consumption and



optimise utilisation. The usage of public transportation or motorbike and automobile sharing by students and staff members is encouraged to save on fuel.

2. Rainwater Harvesting

Rainwater harvesting has been already implemented for the college building. We are utilizing the water for gardening, ground water recharge as well as for drinking purposes with filtration and purification plant.

3. Energy Audit

Every year, the college does an energy and environmental audit. The college has improved its use of energy-efficient BEE STAR-rated equipment, energy-efficient LED fixtures, and a 100 kW on-grid rooftop solar power plant. The cumulative effect of all of this has reduced carbon footprint.

4. Management of wastewater

The effluent water treatment facility treats wastewater from institutions and laboratories so that it is safe to use for watering campus plants. Rotary evaporators are used to recover and repurpose organic solvents. The campus has a sewage treatment plant (STP) in place.

5. handling of e-waste

To use less paper, the administrative office is digitalized. All these initiatives have helped reduce the amount of electricity used, concentrate on paperless work, establish and maintain a green campus, meet social obligations, and raise environmental awareness among all stakeholders.

Electronic trash is produced by outdated computers, other gear, cell phones, electric appliances, etc. It contains dangerous substances like lead, zinc, lithium batteries, tin, and others. Living things are at risk if these products are not disposed of properly. This organisation receives the collected plastic and electronic debris for proper disposal.

5. Evidence of Success

The goal of managing green is to lessen the carbon footprints of students in institute. The institution is making every effort to lessen their environmental footprints through green campus. By promoting sustainability and fostering wholesome living and learning environments, a green



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campus increases energy efficiency, conserves resources, and enhances environmental quality. There are two key aspects of green campuses. They explore intellectual capital and are environmentally responsible. Green campus initiatives assist institution in identifying cost-saving measures that provide them a competitive edge in the global education market.

Long-term gains will always come from green measures. Implementing a green lifestyle can help institution save a lot of money. Institution can gather knowledge capital and offer students a healthy learning environment when they implement a green way of life and greening of their staff. As a result of cost savings, student recruitment of environmentally conscious students, innovation, and encouragement of long-term strategic planning that accounts for external change, proactive environmental management may help institution not only promote sustainability but also become more competitive in the global educational marketplace. Institution has embraced a green marketing approach that increases their competitiveness globally. Not only will our environment benefit from our continued environmental stewardship, but institution will also gain better reputation, strong morale, satisfied students, and worldwide competitiveness.

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