



SUMATHI REDDY

INSTITUTE OF TECHNOLOGY FOR WOMEN

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7.2 Best Practices

7.2.1 Describe at least two institutional best practices

Response:

The best practices identified are as follows:

Best practice	Title of the practice	Link
Practice 1	Environment Consciousness and Sustainability (Green, Greener and Greenest)	View document
Practice 2	Enhancing Placements and Student Skills through Comprehensive Employability Programs	View document



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Best Practice 1

I. Environment Consciousness and Sustainability (Green, Greener and Greenest)

Title of the practice: Environment Consciousness and Sustainability (Green, Greener and Greenest)

1. Objectives:

We have identified the following objectives, which are in tune with the practice:

- To promote awareness of environmental issues among students, staff, and society.
- To achieve better sustainability on the campus and improve the quality of life for all the stakeholders.
- To conserve water resources through rainwater harvesting.
- Establishment of an efficient way for waste management systems
- Energy optimization for enhancing energy utilization
- Transformation of the campus into a pollution-free and environmentally friendly zone

2. Context: The SRITW campus spreads as a lush green, sprawling, oxygen-rich, and eco-friendly seat of quality learning on the outskirts of Warangal town. The natural location advantage of this green campus offers countless opportunities to enhance eco-friendly practices on campus. The current global climate crisis imposes the institution to consider environmental consciousness as its paramount duty to develop its high standards for environmental friendliness and applaud the practices that continue to arrange and work on the cutting edge of environmental innovation. The college deems it a prior responsibility to make society aware of deteriorating environmental parameters and prod them to adopt eco-friendly ways through environmental policy advocacy, promoting environmental awareness, and local participation in conservation efforts to minimize the threat.

3. Practice: The following initiatives have been taken on campus to contribute to the noble cause of environmental consciousness and sustainability.

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The college familiarized itself with a green campus campaign to promote sustainable and eco-friendly practices on campus and to make the earth inhabitable for living beings, which is essential for the profitability of future generations. Regular garden maintenance is done by gardeners, and green campus volunteers take care of highly oxygen-friendly plants to absorb carbon monoxide and other fungal-based pollutants.

SRITW conducts activities to keep the environment green and pollution-free, encouraging and evolving best efforts to manage waste from its source until its final disposal is done. This includes the collection, transport, treatment, and disposal of waste in the form of solids and liquids. The college has implemented composting programs. Separate dustbins are provided to collect degradable and non-degradable waste. The non-degradable waste is given to approved local vendors. E-waste collectors do visit our college to take over such debris and destroy it in an environment-friendly manner.

The Institute is committed to taking all essential steps to establish effective wastewater management and rainwater harvesting systems.

- Development of a Sewage Water Treatment Plant
- Maintenance of water bodies and distribution systems on campus
- Motivating students to minimize their use of plastic.
- Tree Plantation Drive
- Cleanliness Drive
- Landscaping and gardens

The rainwater harvesting system was established on campus to effectively manage water. This innovative measure has contributed tremendously to the alleviation of water shortages. Rainwater harvesting and waste diversion were beneficial for reuse.

The college has implemented several energy-saving methods, prominently featuring the utilization of solar energy. The college has established a solar plant boasting an actual power generation capacity of 250KW. This substantial initiative underscores the institution's commitment to harnessing renewable and inexhaustible sources of clean energy.

LED bulbs have been installed in the college building and across the campus to conserve electricity.

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The college houses diverse societies dedicated to spearheading various green initiatives aimed at enhancing student engagement and involvement in awareness campaigns. Through NSS SRITW, an array of programs have been orchestrated, including the Balavikasa Rally, Clean & Green drives, Clean India campaigns, Haritha Haram projects, and tree plantation endeavors. These initiatives are orchestrated both within and outside the college premises, focusing on pertinent environmental issues. This involves prominently displaying instructions and crafting slogans within the campus and extending them beyond its borders.

SRITW is wholeheartedly committed to environmental conservation. The institution consistently launches tree-planting campaigns on its campus to foster awareness of nature and its resources. Collaborating with various departments, SRITW regularly organizes tree-planting events. Both teaching and non-teaching staff, along with students, actively participate in these initiatives.

Environmental education is seamlessly integrated into our curriculum, instilling in our students a profound appreciation for the additional benefits stemming from a clean and verdant environment. Through purposeful awareness programs, we have cultivated a deep-seated understanding among our students regarding the significance of energy conservation. This multifaceted approach has led to a substantial reduction in energy consumption across the college. As part of this endeavor, stickers bearing the message "Switch off equipment and lights when not in use!" have been affixed to switchboards and various strategic locations throughout the campus.

4. Evidence of success:

The implementation of the green campus campaign and the adoption of environmentally friendly practices within the campus have led to the development of a pristine and eco-conscious campus environment.

A comprehensive waste management system has been established to effectively handle all campus waste categories. By segregating non-biodegradable and biodegradable waste into designated bins, the waste management process has been streamlined for greater efficiency.

Green power generation by using solar panels reduces the use of conventional electricity.

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A culture and attitude of environmental awareness have been effectively nurtured among students, staff, and the local community.

Regular cleanliness initiatives are organized by the NSS periodically. The upkeep of gardens and diverse playgrounds is overseen by the designated NSS.

Promote the conservation of electricity, paper, water, and the use of dustbins among students and teachers.

Participated in numerous NSS field trips to heighten awareness of environmental sustainability.

Environmental science has been incorporated as a compulsory subject in the academic curriculum.

5. Problems encountered and resources required: While carrying out this practice, the following problems are encountered by the college:

Encouraging sustainable behaviors and practices among campus occupants can be a challenge.

The green campus initiative is a rather expensive practice. It needs expert advice on the investment of resources.

Sufficient manpower is needed to maintain them.

Lack of environmental awareness leads to problems in our environment such as loss of biodiversity, pollution, global warming, etc.

Green Campus initiatives are challenging, so they require determination and long-term assurance from all the stakeholders.

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Any additional information	View Document



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Best Practice 2

II. Enhancing Placements and Student Skills through Comprehensive Employability Programs

Title of the Practice: Enhancing Placements and Student Skills through Comprehensive Employability Programs

1.Objectives of the Practice:

- To bridge the gap between employability and competence
- To augment communication and professionalism
- To enhance the skill - set required for professional and personal harmony
- To improve students' technical skills and engage themselves in the current scenario.
- To reduce the rate of unemployment and contribute to the nation's economic growth.

2.The Context:

The significance of comprehensive employability programs is evident in today's competitive job market, as they bridge the gap between academic knowledge and industry-relevant skills. Educational institutions prioritize preparing job-ready graduates by enhancing placements and fostering a range of technical and soft skills through these programs.

Employability programs exceed academics, imparting essential refinements to graduates. They address the need for well-rounded candidates who possess communication skills, teamwork, problem-solving ability, adaptability, and work ethic skills-all defining traits of employability. Collaboration with industries ensures curricula align with practical demands, incorporating workshops, internships, lectures, and skill-based courses.

These programs aim to empower students for successful entry into the job market. They enhance placements through internships and credible job opportunities, nurturing essential personal and professional growth. In a changing global economy, employability programs transform education into practical application, unlocking potential and translating it into real-world performance. With a holistic approach, they mold future professionals to be adaptable, innovative, and impactful contributors.

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3.The Practice:

The institution provides well-structured skill training programs for students of all branches, beginning with their initial semesters themselves, which helps them learn progressively. The details of the training programs are mentioned below:

The English language and communication skills course is part of the curriculum in I, II, and V semesters and helps in honing the communication skills of the students. They are giving ear-training in the phonetics lab, thus enabling them to get rid of their mother tongue influence when speaking in English.

In the Interactive Communication Skills Lab, students actively participate in group discussions, debates, and presentations. Students learn various comprehension techniques in the reading lab so they can read a variety of texts. Teams of students are assigned assignments and activities to promote collaborative learning.

During the initial two semesters, we are augmenting our curriculum with comprehensive training in the C programming language and Python programming. These training modules will be complemented by hands-on sessions that encourage practical learning. Hands-on sessions encourage progressive application of knowledge, complemented by a teaching approach centered on gradual learning. Our dedication to staying updated ensures instruction in line with industry trends, effectively equipping students with practical skills and effective problem-solving abilities.

SRITW Offering skill development programs in collaboration with ICT Academy, TASK, etc. By bridging the gap between industry requirements and job seekers' competencies, these businesses hope to improve employability prospects.

The following skill development programs are conducted for the students with proper planning:

Soft Skills Training: This helps students improve their communication and presentation skills in both academic and professional situations. These interactive activities offer a focus on workplace environments and real-world situations. This includes acquiring the skills listed below:

- Public speaking

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- Personality development
- Building Conversation
- Team Building
- Time Management

Language and communication Skills Training: It is intended to increase the following abilities in the students:

- Listening skills
- Mind Mapping
- Presentation skills
- Contextual Communication
- Clarity and concision
- Emotional Intelligence

Technical Skill Training: It is focused on training the students in advanced techniques, such as

- .NET Full-Stack
- Web designing
- Block Chain Technology
- Python Essentials
- Internet Of Things
- RPA and TABLEAU

These training sessions serve a multifaceted purpose, preparing students effectively for recruitment processes, higher education entrance exams, and other competitive assessments.

This is due to the fact that the model of the recruitment process used by various companies has changed. Most recruiting companies are now expecting the students to have basic programming skills, irrespective of the branch of engineering they pursue. These technical skills training programs include IT-related skills, namely fundamental programming skills and advanced programming skills. Students of engineering branches other than CSE are also offered training in these domains.

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Based on the feedback received from graduates and their success in the recruitment process, the institution has decided to continue offering soft skills, language and communication skills, and technical skills training programs. These programs will be adapted as needed to align with industry demands, ensuring that students are well-equipped for recruitment processes and industry requirements.

So that they can enhance their proficiency levels during the training. The post-test additionally assists the institution in evaluating the efficacy of its training programs and making necessary adjustments when required.

4.Evidence of Success:

With the combined effort and commitment of the institution and students, the institution has achieved very good results during on-campus recruitment processes. This has led to an increase in the quality as well as, number of recruits. Placement summaries for the last 5 years indicate that the students have been performing consistently well and are recruited by reputed companies, and the average pay package has been increasing year after year.

2018-2019: 128 students secured jobs and the highest pay package of Rs. 4 lakhs.

2019-2020: 125 students secured jobs and the highest pay package of Rs. 6.5 lakhs.

2020-2021: 139 students secured jobs and the highest pay package of Rs. 6.5lakhs.

2021-2022: 182 students secured jobs and the highest pay package of Rs. 10lakhs.

2022-2023: 246 students secured jobs and the highest pay package of Rs. 12.47lakhs.

5.Problems encountered and resources required:

The students' rural upbringing initially led to them feeling unsure about their own abilities and potential. However, through determined efforts and rigorous training right from the start, they successfully overcame these mental barriers. With the support and guidance of the faculty, mentors, and trainers, the students were able to ease their anxieties and fully engage in all the programs. As a result, they acquired the necessary skills and expertise in all aspects.

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The following are the problems encountered:

- Influence of mother tongue in the communication process for rural background students
- Students may find it overwhelming to balance the additional workload of workshops, assignments, and skill-building activities alongside their regular coursework.
- Due to the socio-economic background of the students, their confidence level and stage fear are at their apex.

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