Best Practices 1

1. **TITLE of the practice:**

Enhancing the Employability Skills and Placements of Graduates

2. **OBJECTIVES OF THE PRACTICE:**

- To conduct training programs on aptitude skills, verbal, reasoning skills to enhance, guide and support students' employability skills.
- To help students communicate more effectively with employers about their skills, subject knowledge and carrier and potentiality.
- To provide Carrier counseling and guidance to the students.
- To Explicitly link learning outcomes with employability skills
- To provide awareness on latest technologies and make the students ready to face the challenges of modern world.

3. **THE CONTEXT:**

English has become a global language today. Communication skill in English along with technical knowledge enhances the employability skills of students. All the students irrespective of Telugu medium or English medium background must possess good communication skills. To get equipped with good communication skills students require to undergo training on soft skills, communication skills, inter personal skills etc., right from their first year.

Ever changing Technological Advancements in engineering and technology urges the students to expose themselves to latest software tools and gain knowledge on latest developments in their core subject. Moreover exposure to the industry in the form of training and projects helps the students to gain knowledge on industrial Technology and development.

4. **THE PRACTICE:**

A good personality and proper attitude is essential for a student to achieve their targets. The foundation for a professional carrier is laid in student life itself. Our college provides many training programs for the students like CRT training, aptitude, soft skills, motivational classes etc. These programs built the critical thinking and decision making capabilities of a student. These CRT skills help the students in a batter way to achieve good placements in reputed organizations. These CRT skills help the students to prepare for competitive exams of government jobs, also help the students to crack the entrance exams like CAT, GRE, GMAT, TOFFL etc.,

By conducting personality development programs regularly, soft skills and inter personal skills are improved to a larger extent. Mock interviews by

industry experts are conducted to instill confidence among the students by providing necessary inputs to face the interviews.

To get placements in multinational companies college provides programming skills for the students. College conducts branch wise workshops for enhancing student growth towards their core subject. By conducting special classes and arranging training programs by industry experts enhances students' programming skills. These skills provide opportunities to strengthen knowledge in domain fields and help develop programming skills.

Providing hands on training on latest software tools such as MATLAB, PHYTON, etc., in pre final and final year students by the resource experts develops student's talents and help them in meeting growing demand of the industry.

5. EVIDENCE OF SUCCESS:

The institution is maintaining more than 40% placement record in the past 5 years.

6. **PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED**:

Rural background of the student requiring more skillset. Lack of parental education and low understanding levels leading to more mentoring of the student.

Best practice 2

1. **TITLE OF THE PRACTICE**:

RENEWABLE ENERGY RESOURCES (ON-Grid Solar power plant)

2. **OBJECTIVES OF THE PRACTICE**:

- To install solar power plant on the roof top and generate solar power.
- To utilize the generated solar power for institutional power requirement.
- To export the excess generated solar power to Grid.
- To impart practical knowledge amongst students from this working station.
- To augment long term research in the field of solar power generation.
- To become a role model amongst the public in green technologies.

3. THE CONTEXT:

Solar energy is a renewable source of energy as it can be used to produce electricity as long as the sun exists. Sunshine occurs naturally. As long as we are alive, we are always going to see the sun, which means it is infinite. This energy can be harnessed by installing solar panels that can reduce our dependence on other countries for consistent supply of coal to produce electricity. This makes it an attractive energy prospect for most countries that are looking to go completely green in the future.

Although solar energy cannot be produced during night and cloudy days but it can be used again and again during day time. Solar energy from sun is consistent and constant power source and can be used to harness power even in remote locations.

Cuts back on electricity bill:

One of the most interesting things about solar energy is that it can help you minimize your annoying utility bills. You can accomplish this by installing solar panels in your home. Solar energy takes up energy consuming activities like heating water and heating homes. Solar energy has the potential to save you up to 20% of your energy costs, even after financing costs are factored in. And with the ever rocketing of electricity costs, you could save up to $60,000 in the next 30 years.

Requires little maintenance:

The cost of installing a solar panel can be high. But once it's up and running, you will enjoy the benefits for many years, while injecting just a small amount for its maintenance. If your energy needs change and you desire to add more panels, it would be a lot easier. Initial cost that is incurred once can be recovered in the long run that range from 10 years – 15 years. Apart from this, solar panels does not create any noise or release any toxic substances.

Easy Installation:

Solar panels are easy to install and does not require any wires, cords or power sources. Unlike wind and geothermal power stations which require them to be tied with drilling machines, solar panels does not require them and can be installed on the rooftops which means no new space is needed and each home or business user can generate their own electricity. Moreover, they can be installed in distributed fashion which means no large scale installations are needed.

With the advancement in the technology and increase in the production, the cost of solar panels have come down slightly. Areas where cost of electricity is high, payback times can be even lower.

Can Be Used in Remote Locations:

Solar energy can be of great boon in areas which have no access to power cables. It works great in remote locations where running power lines would be difficult or costly. Solar panels can set up to produce solar energy there as long as it receives the sunlight.

4. **THE PRACTISE:**

The college installed roof top ON-Grid solar power station with 130 solar panels and two 20KVA inverters. The total generating capacity is 40KW.

5. EVIDENCE OF SUCCESS

In the year of 2018 50.33 MWh power was generated from solar power plant. More than 50% of power requirement was utilized from the solar power plant

6. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:

Daily cleaning of panels is necessary to improve the efficient power generation .We have to take care of obstacles falling on the panels like tree shadows. Man power is required for daily maintenance.