

7.3: Institutional Distinctiveness

7.3.1: Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Eco-Friendly Campus Formation and Preservation

The college maintains pollution-free environment premises. Today there is a great need for conservation. The leading cause behind these problems is that humans consume natural resources much quicker than they can be replenished. We must educate and make students aware of issues such as renewable energy sources, waste management, and recycling. We decided to work in the areas of power, plant, water, and cleanliness.

Eco-Friendly Practices followed by both the faculty and the students on the campus are:

Planting many plants increases oxygen levels and decreases the pollution of our environment. Many trees like guava, neem, mango, berry, banana, and sapodilla are planted. Special care was taken for their better growth, like watering, regular cutting, and using organic pesticides and composts. Even flowering plants like rose, jasmine, nerium, marigold, etc. are planted. This gives beauty and a pleasing look to the college. The institution's management takes several measures for the plantation of trees around the campus. About 30-40% area is covered with trees and plants, creating a healthy and green environment on the campus.

Plastic-free campus:

The institution discourages the usage of plastic bags and cups within the premises. There was a strict rule from the institute to use only steel plates, leaf plates, steel cups, or paper cups. Even the faculty in the college prefers to use steel water bottles instead of plastic water bottles. Some programs are also arranged within the campus to get awareness about the pros and cons of plastic usage and steps to implement the decrease in plastic use.

Solar water heaters:

An array of solar panels are installed on the rooftop of the college hostel building. It is a part of the solar system to provide hot water. It is one of the significant alternate sources of energy, which results in saving electricity, a scarce resource in our country.

Awareness of Environment:

It means educating people about ecology. It is necessary to decrease the harm to nature by human activities. Moreover, Environmental awareness serves as an idea that enables humans across the region to understand the economic, exquisite, and biological importance of the environment and how to protect and preserve them by eliminating human activities. In overview of the above conditions, the college has conducted environmental awareness program, which includes awareness about the human activities which lead to the cause of destruction in nature, precautions that are to be taken by us to protect our environment. All the students and faculty actively participated in this environmental awareness and took an oath that they protect the environment for a better tomorrow.

Grid-connected solar photo voltaic power plant:

The institution has a solar power project of 100 KW. Advanced technology-based solar equipment where installed that will reduce emissions. On-grid solar power systems generate power using a solar power system and are directly connected to the utility power grid. These systems send excess power generated by the solar power system to the utility grid, and consumers get compensated for the extra power fed back.

Waste management:

The seasonal leaf shedding is collected in a pit and used as compost for plants and trees. The dead wood is distributed to nearby laborers for use as fuel, converting waste into harmless compost and fuel.

Academic excellence and women's empowerment have an impact on the world

MLWEC's mission is to "Empower Women; Impact the World." Empowering female students through professional education combined with values and character to make a difference in the world.

Financial Support: To provide financial assistance to deserving students from low-income families to cover a portion of their educational expenses such as Tuition, Transportation, Hostel, and Mess charges. Scholarships/Freeships/Concessions shall include

- i) Concession in tuition fees for poor and needy students
- ii) Concession in tuition fees for the wards of full-time teachers and permanent staff of the institute
- iii) Concession in Hostel and Mess charges

ARC Lab

APS European Centre for Mechatronics (ECM) based in Aachen, Germany was founded in 1981. They have been working in the fields of robotics, sensor technology, and information and communication technology for more than 30 years. Engineers and technicians from various disciplines develop and implement interdisciplinary concepts and solutions in cooperation with national and international industrial partners, public procurers and researchers.

Faculty Training:

- Training of faculty members held both online and onsite (ARC 1.0) at the labs of APS ECM, Aachen, Germany.
- Online Training involved webinar sessions and training workshops in Germany helped the faculty to understand the robots while delivering the course to the students.

Training Methodology:

- Applied Robot control courses for the student's ARC 1.0, ARC 2.0, and ARC 3.0 were designed to introduce them to the fields of automation and industrial robotics with a practical approach.
- The courses were delivered by pioneers in the industry and faculties from prestigious German universities (through webinars) with the help of the faculty members from the convergence Centers.
- 40 Students have actively participated in and completed ARC1.0, ARC 2.0, and ARC 3.0 training sessions at our campus in the academic year 2019-20.
- About 60 students have registered for Second batch ARC 1.0 for the academic year 2020-21