

Best Practice No 1

Environment Protection and Conservation

- To create consciousness regarding environment sustainability among students and society.
- To keep college premises green.
- To increase tree plantation.
- To improve bio diversity.
- To conserve water. Optimize utilization of resources.

The Context:

Our region has been drought prone and every effort for awareness regarding water conservation and tree plantation is needed. We believe that the initiatives taken by the college inspire the students and community for environment friendly initiatives. Collective efforts will be able to bring about positive changes in our surroundings.

The soil on the college premises is murrum - gravel type. However, in a span of a decade, by planned efforts, the college campus has turned green. For this, we took continuous, focused efforts on and off the campus. The college follows the policy of reduce, reuse and recycle.

The Practice:

Reducing use, reusing and conserving water:

Drips system for watering the hundreds of trees on the campus saves water. Rain water on all roofs has been directed in planned manner to the water harvesting pit. Storm water drains is also directed to the pit. Water from RO waste outlets is utilized in the washrooms. In NSS adopted villages, soak pits for waste water to improve cleanliness and building small check dams has been a regular extension activity.

Reducing energy use:

We have LED lights in the whole campus. Large windows allow optimum use of sunlight, with very little need for electric lighting during the day. The playground has solar light poles and a small solar powered inverter.

Reuse of plastic, e waste recycling and composting:

We have reused empty paint containers as dustbins and as planters. Dried leaves etc. on campus go to composting pit. We have made compost out of nirmalya ie., flowers etc. collected by Municipal Council from Ganesh festival celebration. During the demonstration on composting, students and parents were also involved. College e-waste was collected over the years and disposed off to an authorized collector.

Increasing green cover:

The college nursery comprises of plants prepared from seeds by students and teachers, saplings like Neem collected from under trees, and cuttings from our trees like the Champak, potted plant cuttings of Euphoria Mili and crotons, Jatropha, Tecoma etc. from premises. It provided free saplings of medicinal and fruitbearing trees, ornamental and flowering plants to schools, villages, college guests, our locality apart from planting in college premises. A biodiversity register, eco-friendly bird feeders and Summer-bird baths are maintained. Activities like presentation on snakes, exhibition on local vegetables, composting, and plastic free campaigns were organized.

- The college has taken up many green initiatives under the NSS, NCC and Environment committee. During the lockdown, awareness posters made on apps were shared.
- Evidence of Success:
- Environment friendly campus. Biodiversity in the college premises. Compost packets sale and gifting created awareness for organic composting.
- The college premises are green and cooler, abuzz with butterflies, birds and their nests. The check dam constructed and later desilted by NSS unit in adopted village Mandka was filled with water.
- The government has now built a cement check dam on the spot. Students and alumni have been inspired to take up green initiatives in their villages.
- Green audit certification. University Environment Award for 2020.
- Swachh Bharat Swasthh Bharat award SGBAU Amravati for 2019. The college has received the prestigious University 'Environment Award' for 2020.

Problems Encountered and Resources Required:

Resources in terms of man power and finance. Making nirmalya plastic free before composting. Segregation at collection by the Municipal Council is necessary. At times, activities initiated by the college in a village are not continued.


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Best Practice 2

Title of the practice: Internship and training for Vocational Programs

Objectives:

- To impart experiential learning.
- To provide knowledge of industry working environment.
- To inspire entrepreneurship.
- To provide hands on experience of professional ethics.
- To understand the safety measures in work environment.

The Context:

The college has good infrastructure for automobile vocational programs. Practicals in the Cut-section workshop, Assembling and Dismantling workshop, Vehicle Testing lab and 2 - 3 Wheeler workshop provide good vocational training to students. Yet exposure to actual field work was necessary. It was evident that mere field visits to automobile dealer workshops would not suffice for the purpose of attaining the Learning Objectives.. the importance of experiential learning was bound to provide hands on live demonstration of troubleshooting for vehicular problems.

The Practice:

Students are divided into batches for sending to different automobile workshops. Request letters are sent to auto workshops with students' lists. The students work under a supervisor or workshop manager. Initially they are made to observe the registration process, workflow, safety rules and regulations etc. in the workshop. After completion of orientation they are divided into groups and assigned to different sections in the workshop. Students work under all sections in rotation. They get good hands on experience in faultfinding in vehicles.

Central Farm Machinery Training and Testing Institute (CFMTTI), Budhni, Madhya Pradesh is a Central government institution which has an annual training calendar. Students of B.Voc. second and third year are sent for 'Repair and Overhauling of Stationary Engine and Tractors Repair' and 'Maintenance of Auto Electrical Equipment and Battery Reconditioning'. The institute has also arranged for need based training for our students apart from their calendar schedule. Students have immensely benefited from these trainings.

Evidence of Success:

Students are successfully employed and self-employed. They have been promoted to higher positions in auto dealer workshops.

Problems Encountered and Resources Required:

Lack of awareness in automobile industry about B.Voc. programs- During campus placement on 7/9/2019, 10 students got selected through tests and interviews 4 of whom received appointment letters by Bajaj auto works. Yet, students were not allowed to join at their Waluj plant because the degree B.Voc. wasn't on their recruitment portal.

