

7.1.3 Institutional Environment and Energy Initiatives

ACTION TAKEN REPORT AND ACHIEVEMENT REPORT




PRINCIPAL
UNITY COLLEGE OF PHARMACY
RAIGIRI (V), BHONGIR (M),
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UCOP has a strong commitment to environmental stewardship in conjunction with its pursuit of higher educational objectives. Adopting a green lifestyle promotes the sustainability and livability of our planet, making it conducive for human habitation. The institution endeavors to incorporate the principles of the green movement into its established routine. Consequently, the institution has included a Green, Energy, and Environment Audit into its policy papers, so demonstrating its commitment to implementing this approach in its operations.

In order to promote environmental sustainability, the institution periodically undertakes an internal green and energy audit on a biennial basis. The internal audit department is responsible for overseeing the evaluation of the institution's green policies, with the committee consisting of teachers and students actively engaged in conducting rigorous analysis. The auditing committee submits a report, including suggestions and ideas for corrections and future improvements, to the Head of the Institution. This information is then shared to the staff and students and made available on the college website.

The institution further carried out two external audits over the seasons of 2020-21 and 2021-22 in partnership with QRO CERTIFICATION LLP. The representatives from the external agency conducted a visit to the campus premises with the purpose of studying the ecosystem inside the campus environment. Their objective was to analyze the institution's practices in relation to the efficient use of energy and water resources, as well as its implementation of environmentally sustainable practices. The institutional authorities thoroughly examined the comprehensive reports provided by the external agency. Subsequently, they implemented corrective actions and suitable interventions to enhance the institution's sustainable practices.


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ACTION TAKEN REPORT

2020-2021



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QRO Certification LLP performed audits pertaining to Green, Energy, and Environment in the academic year 2020-2021. According to the findings of the auditing agency, the implementation of the following measures has been undertaken:

- The replacement of compact fluorescent lights (CFLs) with light-emitting diode (LED) bulbs.
- Faculty, staff, and students are provided with clear directives to disconnect and power off electrical equipment when they are not in use or after usage.
- Routine inspections are conducted on the devices to enhance their effectiveness.
- Regular assessments of water quality are conducted at periodic intervals.
- Efforts are undertaken to enhance the efficacy of current water management techniques.
- Water coolers undergo a process of sanitization to ensure cleanliness and hygiene.
- The quantification of wastes generated in each department is conducted, and data is compiled to facilitate efficient waste management practices on campus.
- A waste management committee, led by the Principal, is established to oversee and monitor waste management activities on campus.
- Efforts are made to establish a Memorandum of Understanding (MoU) with a reputable agency to ensure proper disposal and management of waste
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- Steps are taken to successfully implement green protocol measures throughout the campus.
- The maintenance of incinerators is conducted in accordance with the suggestions outlined in the waste audit.



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ACTION TAKEN REPORT

2021-2022



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QRO Certification LLP conducts audits pertaining to Green, Energy, and Environment throughout the academic year 2021-2022. According to the report issued by the auditing agency, the following measures have been implemented:

Faculty, staff, and students are provided with explicit guidelines to disconnect and power off electrical equipment when they are not in use or after usage.

The campus has implemented the installation of solar-sensitive lighting.

Sensor-based lighting have been strategically put at key locations.

Regular maintenance of electronic devices is conducted in order to enhance their operational effectiveness.

Regular assessments of water quality are conducted on a periodic basis.

Efforts are undertaken to enhance the efficacy of current water management strategies.

Quantification of wastes generated in each department is conducted, and data is compiled to facilitate efficient waste management practices within the campus.

Students and staff members are provided with explicit guidelines to adhere to the Green standard.

The responsibility of overseeing waste management operations on campus is delegated to the waste management committee.

Efficient measures are used to establish successful e-waste management practices. Periodic e-waste collection drives and disposal activities are carried out .

A recent installation of an incinerator has been undertaken in order to address the growing demands of garbage management.

The maintenance of incinerators and biogas plants is conducted in accordance with the suggestions outlined in the waste audit.



ACHIEVEMENT REPORT



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PROMINENT ACHIEVEMENTS RESULTING FROM AWARENESS INITIATIVES:

There has been a notable increase in environmental awareness among both staff and students. Students have shown great interest in engaging in green projects and efforts that promote eco-friendliness. Additionally, there is a tight adherence to green protocols inside the institution.

Key Practices Derived from Environmental, Energy, and Waste Audits:

The concept of energy conservation refers to the practice of reducing energy use in order to minimize waste and promote sustainability. It involves the conscious

- They have procured energy-efficient equipment with the aim of conserving energy.
- Regular inspections are conducted on a yearly basis to enhance the effectiveness of the devices.
- CFL lights and filament lamps are being replaced by LED bulbs as part of the energy conservation initiative implemented.
- Staff and students are encouraged to cultivate awareness of the practice of unplugging and turning off electrical items when they are not in use or after usage.
- The water audit is a comprehensive assessment and analysis of water use and management practices. It involves the systematic examination of water consumption, conservation.
- Water coolers have been put in all departments.
- Periodic water quality assessments are conducted as a component of both internal and external audits. In order to enhance the effectiveness of current water management procedures, regular awareness programs are conducted and posters are exhibited inside the campus.
- The installation of high-quality pipelines for the collection of waste water from the laboratories has been carried out. Additionally, regular chlorination of the primary water sources is conducted.
- The waste audit is a systematic process used to assess and analyze the amount and types of waste generated within a certain context, such as
- A health check-up and health awareness class were held for the support staff.
- Quantified data on various types of garbage are periodically appraised to facilitate proper waste management on the campus.


- A trash management committee has been formed, consisting of the Principal, Vice Principal, Manager, two faculty coordinators, and two student representatives.
- Construction and demolition wastes are transferred to merchants for the purpose of reusing the resources and ensuring appropriate disposal.
- Organic manure derived from the use of biogas is employed for agricultural and horticultural purposes within the confines of the hostel facilities.
- Sanitary napkin incinerators have been built on the site. The correct disposal of ash that accumulates at the bottom of incinerator combustion chambers is being given significant attention by management in order to effectively implement green standards on campus.
- Colour-coded waste bins are utilized for the purpose of waste segregation.
- Electronic wastes and hazardous wastes are appropriately disposed of at authorized e-waste collection centers that have been approved.
- To promote awareness and adherence to waste management principles, significant days and years related to waste management are celebrated, and various campaigns are organized by the college's departments, cells, and clubs.

The objective of this study is to conduct a comprehensive assessment of biodiversity within a certain area.

- A diverse array of indigenous trees are cultivated inside the premises of the educational institution.
- The implementation of regular surveillance and eradication measures for alien and invasive species contributes to the facilitation of native and wetland species restoration.
- The regeneration of endemic and native species is implemented in locations where it is feasible.
- Garden trimmings are deposited into the biogas plant.
- Excess seedlings that remain after their distribution to students on campus are subsequently planted in public areas.
- A range of contests are orchestrated to facilitate student engagement and enhance their knowledge of the campus's flora. The department is responsible for conducting periodic updates on the campus.

The formulation of a campus green policy

- The green strategy is enhanced and reinforced with a focus on reducing emissions and promoting the use of environmentally friendly alternatives.



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The Advancement of Carbon Neutral (Green) Events

The College established a fund dedicated to promoting environmental sustainability, using the savings generated by sustainable activities. Subsequently, the funds were allocated towards implementing more green projects inside the College.

On the college premises, eco-boxes or caskets have been strategically placed to serve as receptacles for the purpose of gathering proposals and creative ideas pertaining to environmental sustainability, with the aim of fostering a culture of ecological consciousness among the campus community.



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