

Action-Taken Report for GREEN Audit year 2021-22

Introduction

The following report outlines the actions taken by the college in response to the recommendations provided during the GREEN audit. These actions are part of the institution's commitment to sustainability and environmental responsibility.

Awareness Campaigns for Environmental Challenges

Action: Awareness sessions on Ozone Day, climate change, sustainable resource management, and environmental protection were conducted through seminars, and events. Students have become more conscious of environmental issues and are motivated to take individual actions, fostering a greener campus culture.

Environmentally Responsible Purchasing Policy

Action: The College adopted an eco-friendly purchasing policy focusing on products with minimal environmental impact. This initiative reduced carbon footprint and promotion of sustainable consumption practices within the institution.

LED Lighting Implementation

Action: All departments and sections were retrofitted with energy-efficient LED lamps to replace fluorescent tubes. This has reduced energy consumption, leading to lower electricity costs and a smaller environmental impact.

Drinking Water Quality Standards

Action: Regular testing of drinking water was initiated to ensure it meets standards. This ensured the health and safety of the campus community by providing access to clean drinking water.

Celebrating Special Days with Plant Donations

Action: Events like Teachers' Day and Van Mahotsav were marked by tree plantation drives and plant donations.

Impact: Increased green cover on campus and fostered environmental stewardship among students and staff.

E-Waste and Solid Waste Segregation

Action: Waste segregation bins were installed across campus, and a system for proper e-waste disposal was established. This has reduced landfill waste and ensured safe disposal of electronic waste, protecting the environment from toxic materials.

E-Waste Inventory Management

Action: A detailed inventory of e-waste generated on campus, including computers, keyboards, and batteries, was created and maintained.

Impact: Improved tracking and responsible disposal of e-waste, leading to better resource management.

Digital System to Reduce Paper Use

Action: The college shifted to a digital communication and record-keeping system to minimize paper usage.

Impact: Reduced paper consumption and promoted a paperless, more efficient administrative process.

Limiting Personal Vehicle Use on Campus

Action: The college encouraged students and staff to avoid using personal vehicles on campus by observing no-vehicle day, which reduced traffic congestion and emissions within the campus, improving air quality.

Installation of Exhaust Fans in Canteen

Action: Exhaust fans were installed in the canteen kitchen to improve ventilation.

Impact: Better air quality and improved working conditions for kitchen staff.

Eco-Friendly Transportation

Action: Students and staff were encouraged to use eco-friendly transportation options like walking and cycling. Also encouraged to adopt electric vehicles. There is increased adoption of sustainable transportation, reducing vehicle emission and reducing reliance on fossil fuels.

Bike-Friendly Campus Facilities

Action: Bicycle lanes and parking areas were established to encourage non-motorized transportation. This has increased bicycle uses on campus, further reducing carbon emissions.

Exploration of Renewable Energy Options

Action: The college began exploring renewable energy sources to replace diesel generators for power generation.

Impact: Reduced dependence on non-renewable energy and aligned the institution with clean energy practices.



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Action-Taken Report for Energy Audit year 2021-22

Introduction: This report outlines the actions taken to implement the energy efficiency recommendations provided. The primary goal of these initiatives is to reduce the college's overall energy consumption and reliance on imported energy while increasing exported energy.

Recommendations and Actions Taken

Air Conditioners:

Action: Thermostats have been adjusted to a higher temperature in the summer and a lower temperature in the winter.

Impact: This change has resulted in a noticeable reduction in energy consumption during peak usage periods.

Tubes Lights and Bulbs:

Action: A phased replacement of tube lights and bulbs with more energy-efficient CFLs and LEDs has been initiated.

Impact: There is overall significant energy saving observed on the campus.

Computers and Monitors:

Action: A campaign has been launched to encourage users to turn off their computers and monitors when not in use.

Printers and Copiers:

Action: Duplex printing and copying have been made the default settings on all printers and copiers.

Projectors:

Action: Projectors are now set to eco-mode whenever possible.

Power Management Software:

Action: Power management settings has been changed in all college computers.

Ceiling Fans:

Action: A gradual replacement of existing ceiling fans with energy-efficient models is underway.

Solar Panel System:

Action: The College has continued to invest in and maintain its solar panel system.

Impact: The system continues to contribute significantly to the college's energy needs and reduce reliance on imported energy.



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Action-Taken Report for Energy Audit year 2022-23

Introduction

This report describes the steps that were done to put the suggested energy efficiency into practice. Reduced overall energy consumption and dependence on imported energy, along with increased export energy, are the main objectives of these initiatives.

The recommendations given in previous audit report are in practice and had shown significant reduction in energy saving on the campus.

For Air conditions thermostats have been adjusted to a higher temperature in the summer and a lower temperature in the winter.

Almost all tube lights and bulbs are replaced with more energy-efficient CFLs and LEDs.

All the practical instruments, computers, printers are turned off when not in use.

Staff and students were trained on how to use electrical gadgets in eco-mode. Default settings for them were adjusted to ensure they operate in energy-saving mode.

Continue investing in and maintaining the solar panel system.

Action: Regular maintenance and inspections of the solar panel system were conducted. Any necessary repairs or upgrades were implemented promptly.

Impact: The solar panel system continues to generate clean energy, reducing reliance on imported energy and increasing exported energy. This contributes to a more sustainable and environmentally friendly campus.

Explore additional energy-saving measures.

Action: An energy audit team was formed to identify and evaluate potential energy-saving measures. Feasibility studies were conducted, and implementation plans were developed for promising initiatives.

Impact: The exploration of additional energy-saving measures has led to the identification of new opportunities to reduce energy consumption and improve overall efficiency. These initiatives are being implemented gradually to further enhance the college's sustainability efforts.



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Action-Taken Report for GREEN Audit year 2022-23

Introduction

This report details the actions taken by the college in response to the GREEN audit recommendations to promote sustainability and environmental consciousness. These initiatives have collectively helped advance the college's environmental goals, demonstrating a commitment to sustainability and fostering a green campus.

Awareness Campaigns on Climate Change

Action: Interactive sessions and competitions like Ozone Day, Vasundhara day celebration on climate change and sustainability were organized to engage students in environmental issues.

Impact: Increased student participation and a more proactive approach toward environmental conservation.

LED Lamp Installation

Action: LED lighting was installed across classrooms and administrative areas, replacing less efficient lighting systems.

Impact: Improved energy efficiency and contributed to a reduction in the institution's electricity bills.

Compliance with Drinking Water Standards

Action: Drinking water sources across campus were tested and certified to meet IS:10500 standards. As an impact this ensured safe and healthy drinking water for the entire campus community.

Celebrating Special Days with Tree Planting

Action: On occasions like Independence day, Jayanti of national heroes and Teachers' Day, tree planting and plant donation activities were organized to increase green cover.

Impact: Enhanced campus biodiversity and fostered environmental responsibility among students and staff.

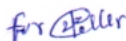
Waste Segregation and E-Waste Disposal

Action: Waste segregation bins were placed in every department, and a partnership was established with an e-waste recycling firm for safe disposal.

Impact: Reduced landfill waste and ensured proper management of electronic waste, minimizing environmental hazards.

Paperless Administration Initiative

Action: Administrative functions were shifted to digital platforms, reducing the dependency on paper documents and forms. The papers are reused for rough work. This has significantly reduced paper consumption, lowering the college's carbon footprint.

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Restricting Personal Vehicles on Campus

Action: The use of personal vehicles within campus premises was restricted, with the college promoting walking and cycling.

Impact: Reduced traffic congestion and vehicular emissions, contributing to a cleaner campus environment.

Installation of Exhaust Fans in the Canteen

Action: Exhaust fans were installed in the canteen kitchen to improve air quality and ventilation for staff.

Impact: Enhanced kitchen working conditions and maintained air quality.

Bicycle-Friendly Infrastructure

Action: Bicycle lanes and secure parking facilities were created to support non-motorized transportation.

Impact: Increased bicycle use, contributing to lower campus pollution levels and fostering a health-conscious community.

Renewable Energy Alternatives

Solar energy panel with grid has been installed on the college terrace.

This renewable energy sources helped to reduce energy bills of the campus.



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