

## 7.1.3

## Quality audits on environment and energy regularly undertaken by the Institution.



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7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following:

0pp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206

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E-mail:stwilfred.acs@gmail.com + website : www.stwilfreds.org

- 1. Green audit / Environment audit
- 2. Energy audit

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- 3. Clean and green campus initiatives
- 4. Beyond the campus environmental promotion activities

College Code 1033

# 7.1.3 Quality Audits on Environment and Energy Regularly undertaken by the institution

The goal of St. Wilfred College of Arts, Commerce, and Science is to maintain the highest levels of energy efficiency and environmental sustainability on campus. The institution conducts routine quality audits in these areas to make sure that these requirements are upheld.

An extensive evaluation of the institution's environmental performance, including its effects on waste management, energy consumption, and the quality of the air and water, is provided by the environmental quality audit. A group of specialists carrying out this audit assess the organization's adherence to industry best practices and environmental laws. The audit findings are used to pinpoint areas in need of development and to create plans for lessening the environmental impact of the organization.

Regular energy audits are also conducted by St. Wilfred College of Arts, Commerce, and Science in addition to the environmental quality audit. The purpose of these audits is to find ways to lower energy expenses and increase energy efficiency on campus. In addition to evaluating the effectiveness of the institution's energy systems and equipment, the audits usually include a thorough investigation of the energy usage patterns of the organization. The institution creates an energy management plan that specifies certain steps to be taken to lower energy use and expenses based on the audit's findings.

Additionally, the organization consistently tracks and reports on its energy and environmental performance. This involves monitoring its energy use, waste production, water use, and greenhouse gas emissions. The information gathered is utilized to spot patterns, establish goals, and monitor advancement toward attaining sustainability objectives St. Wilfred's College of Arts, Commerce & Science



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St. Wilfred College of Arts, Commerce, and Science are dedicated to on-going advancements in energy efficiency and environmental sustainability. The facility can see areas for improvement and take proactive measures to lessen its environmental impact and increase its energy efficiency thanks to frequent quality audits, continuous monitoring, and reporting.



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## 1. Green Audit & Environment Audit







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## 2. Energy Audit





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## 3. Clean and Green campus initiatives

### Snapshots Depicting Specific Facilities for Green Campus Initiatives Landscaping Trees and Plants in College Campus



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Where the mind is without fear! where the head is held high!

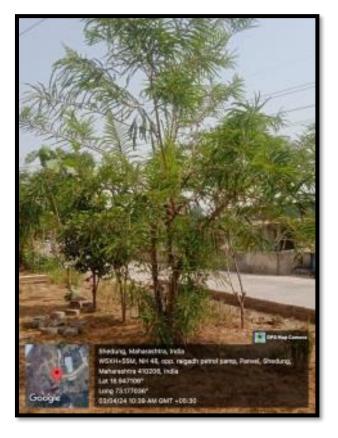
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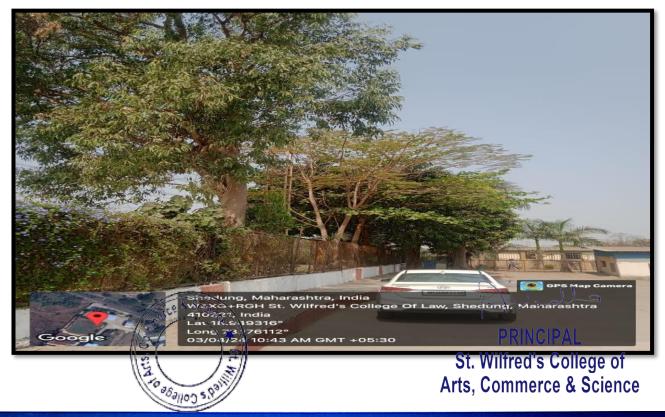


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#### **Outer View of the College**



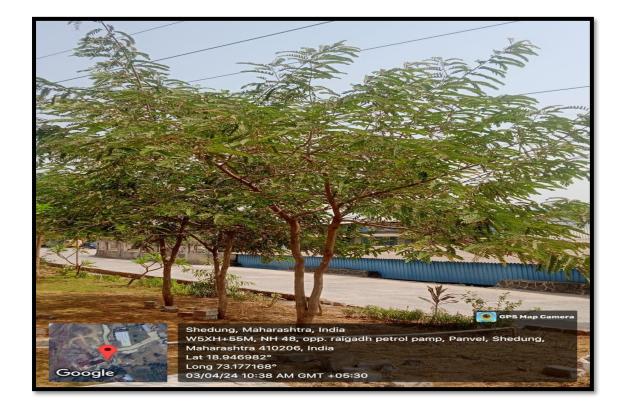




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#### **Plants in the College**





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#### **Policy Document**

#### **Policy Title: Environment and Energy Usage**

#### Policy Number: SWCACS/IQAC/2022-23

St. Wilfred College of Arts, Commerce, and Science in Mumbai have an environment and energy usage policy that aims to manage energy in a way that minimizes its impact on the environment. In order to lighten the load on the government and identify alternative natural resources to address the energy issue, the strategy suggests investigating renewable energy sources. All of the institution's constituent parts are required to abide by this energy and environmental policy, which also applies to all of its stakeholders and the range of activities the institution, engages in.

It will assist us in realizing our obligations and committing to the protection and responsible use of natural resources by assisting us in integrating efficiency and environmental consciousness into our daily operations. In order to conserve energy and the environment, the institution is committed to promoting environmental awareness through its green initiatives and green literacy programs.

#### **Policies:**

- To evaluate our energy use and quantify its environmental impact.
- To tally the carbon dioxide emissions produced by the cars that we drive.
- To lower emissions of local air pollution by utilizing eco-friendly automobiles, such as bicycles, public transportation, and pedestrian-friendly roadways.
- Installing solar panels with photovoltaic capabilities to produce alternative energy.
- To create a methodical waste management system.
- To start a tree-planting campaign.

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- To implement extra steps to progressively reduce our energy usage.
- To guarantee that the resources required meeting our goals are available.
- To promote the adoption of cutting-edge technologies to reduce noise, pollutants into the atmosphere, and energy use, especially from our fleets of vehicles.
- To actively collaborate with local organizations in the fields of the environment, energy efficiency, and sustainable development, as well as to have conversations with government agencies, the municipal corporation, and the affiliated institution.
- Keeping an eye on new energy and environmental challenges and responding to them.
- To enhance the environmental knowledge and abilities of our staff and students in order to enhance our own environmental performance.
- To offer opportunities for maining and information on energy-saving techniques. St. Wilfred's College of

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• To provide chances for staff members and students to participate in environmental preservation efforts. Both staff members and students are informed about this policy internally.

#### Policy Title: Environmentally Sustainable Green Campus.

#### POLICY NUMBER: - SWCACS /IQAC/2022-23

Introduction: It is impossible to overstate the importance of environmental preservation and protection. The Indian government has passed numerous laws, rules, and regulations relevant to environmental sustainability through legislation and notifications. Institutions must take a comprehensive approach to understanding environmental and ecological challenges.

- To raise awareness among college staff members, both teaching and non-teaching, of the value of environmental preservation and to motivate them to keep the campus tidy and green.
- Reducing, recycling, and reusing.
- To eliminate plastic and smoking from campus.
- To make sure that resources are used wisely and to preserve for future generations.
- To collaborate with all local stakeholders and the community at large to increase awareness of environmental issues, suggest solutions, and encourage the adoption of eco-friendly practices.
- Separate trash cans for waste should be positioned in all visible areas of the campus.
- Electronic appliances that is environmentally friendly.
- When not in use, turning off electrical equipment.
- A rise in delighting usage.
- There will be no smoking on campus.
- The campus will be plastic-free.
- Keep food waste at bay and make sure it's disposed of properly in the campus canteen.
- Using biodegradable garbage for organic gardening and composting it.
- Routes that are pedestrian-friendly. Make sure the fixtures are leak-proof.
- Fit water-saving accessories into toilet flushes and faucets. System for managing waste: Recycled and non-recycled materials
- Start a student society or environmental club.

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- Organize workshops and campaigns to raise awareness of environmental issues on a regular basis on college campuses and in the surrounding communities.
- Give teaching and non-teaching personnel and students a pledge to uphold campus hygiene.
- Arrange contests focusing on urgent environmental issues (poster creation, slogan writing, essay/creative writing, poetry, street drama, etc.).
- Participate in Swatch Bharat Abhiyan programs organized by the college's NSS, NCC, and environment society. Examinations



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### **Clean and green campus**

## **Action Taken Report**

- The Institute coordinated Cleanliness Drive with the NSS unit and IQAC before and after the major events hosted there, as well as on other occasions like World Environment Day and Earth Day.
- The institute, in cooperation with the Environment Management Committee and NSS Unit, frequently organized plantation drives on and around campus. Employees and kids take part in this planting activity with great enthusiasm.
- The institute's Green Campus initiatives include water conservation, tree planting, trash management, and alternative energy. Given this, the institute conducted a green audit.
- The institute has put up slogans across campus to educate students about the value of preserving green space and energy, as well as water and energy conservation.
- CFL lights are replaced with LED lights.
- When not in use or after utilization, faculty, staff, and students are required to unplug and turn off electrical appliances. The gadgets undergo routine maintenance to boost their effectiveness.
- Periodically, assessments of the quality of the water are conducted.
- Water coolers are sanitized using certain techniques. To provide adequate oversight of waste management operations on campus, the principal forms a waste management committee. On campus, efforts are undertaken to successfully apply green standards. Each department's trash output is measured, and data is prepared for the campus's efficient waste management.
- Teachers and students are more aware of their surroundings; Students enthusiastically participate in eco-friendly projects and endeavors; Green policy is carefully adhered to.
- To reduce the energy usage of the science departments, energy-saving appliances were purchased.
- Annual inspections are performed to increase the effectiveness of the devices.
- Staff members and students are encouraged to unplug and switch off electrical equipment when not use or right away after.
- Periodic evaluations of the water quality are conducted as part of in RRINCIRAExternal audits.
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- Topical posters and recurring awareness campaigns serve to reinforce the current approaches to water management.
- Installing top-notch pipelines to collect laboratory waste water; routinely chlorinating the primary water sources Analyzing Waste.



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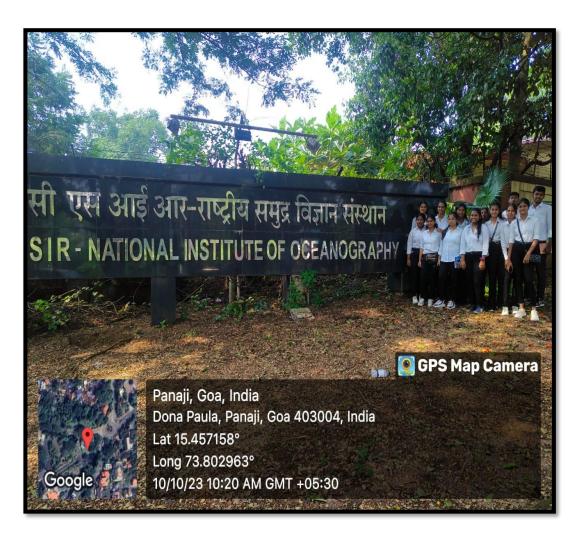


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#### Visit to National Institute of Oceanography 10 October 2023





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> Plantation Activity 26 November 2023







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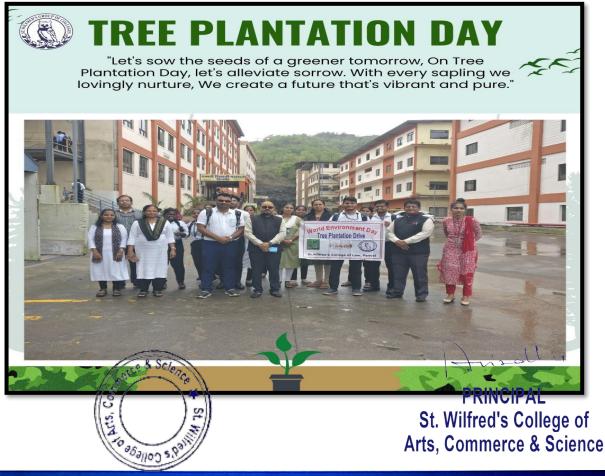
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> Plantation 21 September 2022



#### World Environment Day – 5 June 2023





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> World Environment Day 5 June 2022





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> Nursery Visit – 22 April 2020 World Earth Day





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#### A Visit on Waste Plastic Treatment



World Ozone Day 16 September 2021



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#### News on Environment initiatives



## 'माझी माती माझा देश'

अभियानांतर्गत छत्रपती शिवाजी महाराज तंत्रज्ञान संस्थेत वृक्षारोपण

औरंगाबाद/लोकरत्न प्रतिनिधी छत्रपती शिवाजी महाराज इन्स्टिट्यूट ऑफ टेक्नॉलॉजीच्या युनिटने मेरी माती, मेरा देश मोहिमेत नेतृत्व युनिटच्या समन्वयक प्राध्यापक नूतन काळे आणि प्राध्यापिका स्वाती मोरे करत आहेत. केवळ आपल्यासाठीच नाही तर आपल्या भावी



जवळपास एका महिन्यात जवळपास कॅम्पसमध्ये आणि एका वर्षात ५०० झाडे लावण्याचा कार्यक्रम आखला आहे. एनएसएस. कार्यक्रमाचे पिढचांसाठी झाडे लावली पाहिजेत, असे प्रचारक डॉ. धर्मेंद्र दुबे यांनी सांगितले. आज आपण आपल्या पूर्वजांनी लावलेल्या झाडांच्या सावलीत बसतो, तशीच फळे खातो, भविष्यात आपण लावलेली झाडे आपल्या विद्यार्थ्यांसाठी फलदायी ठरतील. संथाचे सचिव डॉ. केशव बडाया जी यांनी शुभेच्छा दिल्या आणि आमच्या सर्व महाविद्यालयांमध्ये असे कार्यक्रम आयोजित केले जात असल्याचे सांगितले. यावेळी विधी महाविद्यालयाचे प्राचार्य मृत्युंजय पांडे, फार्मसीचे प्राचार्य डॉ. दिनानाथ झाडे, प्राचार्य एसीएस डॉ.अनिरुद्ध ऋषी, श्रेयस पांडे, मनोज डोंगरे, अनुप मौर्य, स्वप्नील कवळे, भोईर. श्रद्धा कालिदास, भरत. र्डश्वर लामतुरे, वैशाली आदी उपस्थित होते.



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