



R. C. Patel Educational Trust's
R. C. Patel Arts, Commerce and Science College
Shirpur-425405, Karvand Naka, Dist.- Dhule (Maharashtra)
E-mail - principal@rcpasc.ac.in

Affiliated to: K. B. C. North Maharashtra University, Jalgaon-425001

Self Study Report (SSR): 2024 (4th Cycle)



Criteria - 7
Institutional Values and Best Practices

Key Indicator - 7.1
Institutional Values and Social Responsibilities

Metric No. - 7.1.3 (QnM)

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

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion and sustainability activities

Submitted to
National Assessment and Accreditation Council, Bangalore



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Karvand Naka, Shirpur 425405, Dist - Dhule, Maharashtra

☎: (02563) 299328

E-mail: principal@rcpasc.ac.in

President

Hon. Bhupeshbhai Patel

Principal

Dr. D. R. Patil

Date: 15/06/2024

Declaration

This is to declare that, the information, reports, true copies of the supporting documents, numerical data etc. submitted in these files is verified by Internal Quality Assurance Cell (IQAC) and it is correct as per the office record.

This declaration is for the purpose of NAAC accreditation of the HEI for the 4th cycle assessment period 2018-19 to 2022-23.

Place: Shirpur

Date: 15/06/2024

Dr. Sandip P. Patil

IQAC Co-ordinator

IQAC Coordinator

R. C. Patel Educational Trust's

R. C. Patel Arts, Commerce and Science College

Shirpur, Dist.-Dhule (M.S.) 425405



Dr. D. R. Patil

IQAC Chairman & Principal

PRINCIPAL

R. C. Patel Educational Trust's

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Shirpur, Dist.-Dhule (M.S.) 425405

R. C. Patel Arts, Commerce and Science College, Shirpur

Policy Document on Environment and Energy Usage and Green Campus



Policy Document on Environment and Energy Usage

The Environment and Energy Usage Policy of R.C.P.A.C.S College, Shirpur aims to oversee energy consumption in a systematic manner to mitigate its environmental impact. The policy entails investigating renewable energy sources to alleviate stress on the ecosystem and identifying alternative natural resources as solutions to the energy shortage.

This policy is mandatory for all components of the institution and extends to all stakeholders and activities undertaken. It will facilitate the integration of efficiency and environmental consciousness into daily operations, thereby aiding in fulfilling our responsibilities and commitment to conserving natural resources and minimizing usage.

Mission: To raise environmental consciousness in society and actively participate in initiatives to save the mother earth from unethical human incursions to ensure a sustainable, pollution-free, and healthy future.

Objectives:

- To decrease local air pollution emissions by adopting environmentally friendly transportation options such as bicycles, public transit, and pedestrian-friendly roads.
- To initiate a tree planting campaign.
- To establish a rainwater harvesting system.
- To implement photovoltaic solar panels for generating alternative energy.
- To install LED bulbs throughout the campus to conserve energy.
- To evaluate our energy consumption and assess its environmental impact.

The policy will be disseminated to students and employees through internal communication channels and will be accessible to all stakeholders on the institutional website. The Environment and Energy Policy, along with its objectives and targets, will undergo regular reviews by the college Principal.

Image: Solar Panel



Image: Light Efficient Classroom

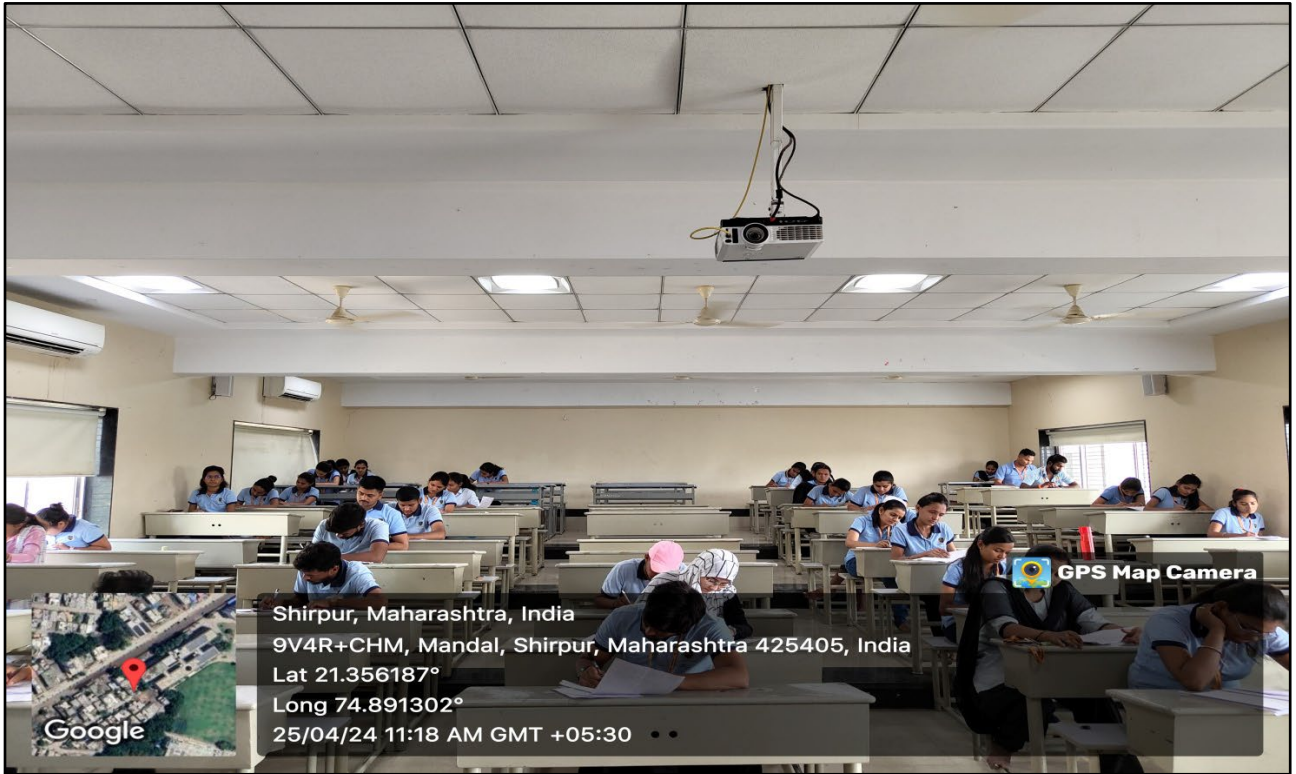


Image: Landscape and Gardening



Image: Water Harvesting

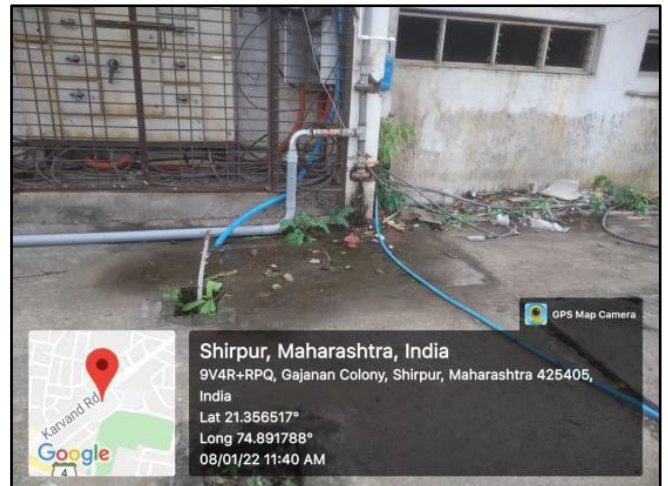
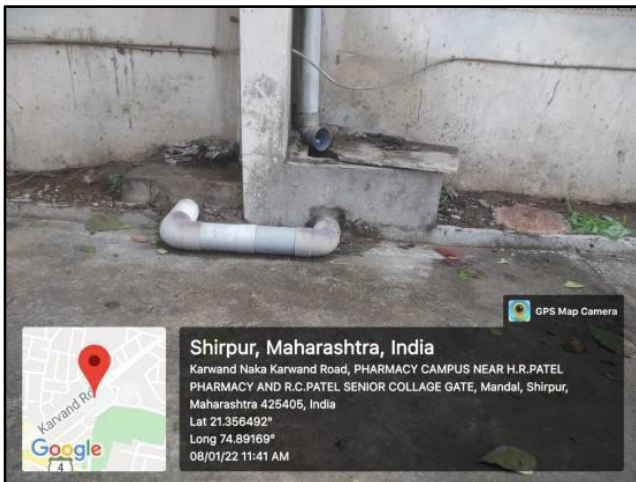
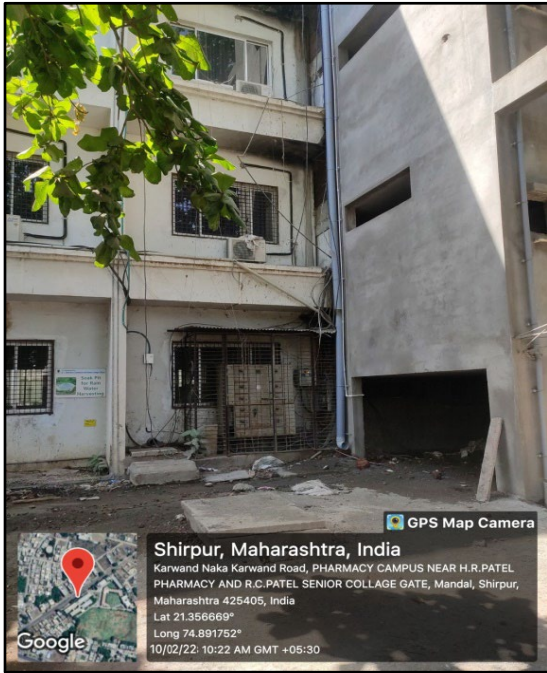


Image: Staff Parking



Shirpur, Maharashtra, India
9V4R+GM2, Mandal, Shirpur, Maharashtra 425405, India
Lat 21.356002°
Long 74.89173°
25/04/22 10:52 AM GMT +05:30

GPS Map Camera

Image: Use of LED



R. C. Patel Arts, Commerce and Science College, Shirpur

Policy Document



Green Campus Policy



VISION

The college acknowledges its duty to the environment while pursuing its strategic goals in research and teaching. It commits to safeguarding and nurturing the environment by controlling its activities to ensure sustainable resource usage and avoid harmful practices. R.C Patel Arts, Commerce and Science College, Shirpur aims to operate in an environmentally sustainable, economically viable, and socially responsible manner, aspiring to become a Green Campus promoting eco-friendly practices and education. Efforts are directed towards achieving self-sustainability in power, water, and cleanliness. This policy is a vital part of the College's broader sustainability strategy, outlining its objectives and arrangements for environmental protection and monitoring.

Aim and Objectives

- To promote sound environmental management policies and practices throughout the college.
- To reduce and, where practicable, prevent pollution.
- To adopt targets for improving environmental performance.
- To ensure a sound understanding of current environmental performance.

➤ **Water**

- To make efficient and environmentally responsible use of water, including identifying opportunities for water reuse.

➤ **Waste Reduction And Recycling**

- To set and achieve targets for reducing resource use.
- To increase the rate of recycling of all appropriate materials, based on life-cycle principles.
- To implement sustainable resource management practices, based on reduce, reuse and recycle principles.

➤ **Awareness and Training:**

- To disseminate internally and externally the College's environmental objectives and performance.
- To cultivate awareness among the staff and students of the College's environmental impact, activities, and performance, as well as best practices.

- To deliver suitable environmental educational programs for staff and students.
- To promote and facilitate feedback and suggestions to ensure best practices.

➤ **Specific Actions That College Can Implement:**

❖ **Lighting:**

- Upgrade most lighting fixtures on campus to high-efficiency lighting (LED technology, etc.) with electronic ballasts.
- Consider increased utilization of natural day lighting as it reduces energy expenses and may enhance productivity.
- Implement lighting controls wherever feasible through our campus-wide energy management system. This includes regulating occupancy times, utilizing setback periods during unoccupied periods, and adjusting environmental parameters to optimize resource usage.
- Deploy solar panels on the College rooftop.
- Adjust the brightness settings of computer screens to reduce energy consumption.
- Turn off or switch PCs to standby mode when not in use.

❖ **Water Conservation:**

- Report water leaks, dripping faucets, and fixtures that do not shut off promptly.
- Implement rainwater harvesting systems.
- Utilize automated flush valves (or 2-way flush valves), waterless urinals, and flow restrictors on faucets and showers in restrooms.

➤ **Reducing Paper Usage**

- Maximize the use of paperless technology, such as sharing data/lecture notes via email, etc.
- Take notes electronically.
- Introduce double-sided printing to minimize paper waste.

➤ **Purchasing:**

- Energy-efficient products shall be procured whenever possible. For examples, see the U. S. Environmental Protection Agency Energy Star products list.
- Recyclable and reusable products should also be procured when feasible to reduce disposal costs.

➤ **Resource Recovery**

- When economically feasible, resource recovery shall be expanded to include (or enhance existing programs) regarding such things as green waste (for composting), construction waste, and used office supplies such as computers.

➤ **Recycling Facilities On-College Campus**

- The first step toward a green college campus is to make resource recovery as easy as possible. Every waste bin on campus will be paired with a recycling bin for students to toss plastic bottles, paper, glass, cans, and cardboard into without having to sort it all out beforehand. Using this system, the College hopes to achieve a substantial waste diversion rate.

➤ **Electronic Waste Recovery**

- College campuses are expected to have broken and outdated electronics hence collection bins for collecting electronic waste on-campus will be put up at convenient places.

➤ **Organic Waste Management Program**

- Food waste piles up fast at College cafeteria. Composting is a “green” way to minimize the amount of food the College sends to the landfill.
- Collaborations with recyclers who adhere to environmentally friendly regulations.

➤ **Follow-Up:**

❖ **Monitoring:**

- No energy conservation program will be successful if progress is not supervised on a continuous basis.
- Meter readings can be used to monitor utility consumption, and the data can be used to identify problem areas as well as assess if conservation goals are being achieved.
- The college currently has most of its campus buildings metered for electric consumption, which shall be metered on a "per-building basis."
- We consider this an important initiative since this will enhance our ability to measure progress in our conservation/operational efforts.

❖ **Training:**

- Instruction must be provided to ensure that both operations and service technicians have the skills and knowledge to effectively apply the technology used to achieve energy savings.

❖ **Education:**

- The staff and student cooperation and support of the energy policy are key to its success. An awareness program that provides information on utility costs, trends, and user impact on these costs will enable the campus population to understand the need for this policy and how it can positively impact them by freeing up money from utilities for educational purposes.

➤ **Campus Facilities:**

- Waste management
- Environmental Committee
- E-waste Collection Drive

➤ **Suggestions:**

- To calculate the Carbon Footprint of the college.
- Deployment of Solar Panels.
- Implementation of Paperless Office strategies



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