



Sanjivani Rural Education Society's

Sanjivani College of Pharmaceutical Education & Research (Autonomous)

NBA and NAAC 'A' Accredited

At: Sahajanandnagar, Post: Shingnapur- 423603, Tal: Kopargaon, Dist: Ahmednagar (MS)

Approved by AICTE
& PCI, New Delhi

Affiliated to Savitribai Phule Pune University, Pune
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Energy Conservation Policy

INTRODUCTION

Sanjivani College of Pharmaceutical Education and Research(SCPER), Kopargaon, is dedicated to cultivating a sustainable and eco-conscious campus ethos. Acknowledging the pivotal role of energy conservation in fostering a cleaner and greener environment, the college has formulated a Comprehensive Energy Conservation Policy. This policy aims to address various facets of energy consumption, management, and efficiency within the campus premises. By adhering to this policy, our objective is to curtail energy footprint and cultivate a culture of energy consciousness among students, faculty, and the wider community. SCPER is responsible for energy management in shaping a sustainable tomorrow. Anchored in our commitment to environmental stewardship, we have crafted and implemented a robust Energy Conservation Policy that underscores our resolve to mitigate our environmental impact and nurture a sustainability-driven ethos within our educational community. This policy actively promotes energy-saving initiatives, urging active participation from students, faculty, and staff in endeavours that contribute to efficient energy consumption. Through strategic collaborations with energy conservation entities, we ensure that our energy-saving efforts are aligned with environmentally friendly practices. It firmly believes that education serves as a catalyst in fostering a culture of sustainability. To this end, the college conducts awareness campaigns and educational programs to enlighten our community about the significance of energy conservation. Training modules are designed to empower individuals to play an active role in achieving our collective environmental objectives. It embarks on this journey toward a greener and more sustainable future. SCPER remains resolute in its commitment to effective energy conservation. This policy epitomizes our dedication to cultivating an eco-friendly educational milieu that equips our students to become responsible global citizens. The overarching purpose of this policy is to facilitate the implementation of the action plan outlined in the "National Environment Policy 2006," focusing on the management of hazardous waste, including their minimization, environmentally sound management, and the active promotion of cleaner technologies.

POLICY STATEMENT

SCPER recognizes the critical importance of energy conservation in fostering a sustainable and environmentally conscious campus community. Energy Conservation Policy aims to address various aspects of energy consumption, management, and efficiency within our premises. Through this policy, the institution dedicated to curbing energy footprint and instilling a culture of energy consciousness among our students, faculty, and broader community. It actively promotes energy-saving initiatives and encourages the active participation of all stakeholders in endeavours that





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contribute to efficient energy consumption. The SCPER is committed to promoting energy conservation and sustainability throughout its campus and operations. As such, we have developed the following energy conservation policy statements:

- Commitment to Efficiency: We pledge to continually assess and improve the efficiency of our energy usage across all facilities and activities.
- Education and Awareness: We will actively promote education and awareness initiatives to engage our students, faculty, and staff in understanding the importance of energy conservation and adopting sustainable practices.
- Resource Optimization: We will strive to optimize the use of resources such as electricity, water, and natural gas by implementing energy-efficient technologies and practices.
- Reduction of Carbon Footprint: We are dedicated to reducing our carbon footprint by minimizing energy consumption, utilizing renewable energy sources wherever feasible, and implementing emission reduction strategies.
- Compliance and Standards: We will adhere to all relevant energy conservation regulations and standards, and endeavour to exceed compliance requirements wherever possible.
- Continuous Improvement: We are committed to continuously monitoring our energy usage, setting targets for improvement, and implementing measures to achieve them.
- Stakeholder Engagement: We recognize the importance of engaging with stakeholders, including students, faculty, staff, and the local community, to foster a culture of energy conservation and sustainability.

Through the implementation of these policy statements, the SCPER aims to become a leader in energy conservation and sustainability, contributing to a cleaner and greener future for generations to come.

OBJECTIVE:

- To offer opportunities for employees and students to engage in initiatives those contribute to environmental protection.
- To implement policies and procedures that will cut energy usage at the College, lower energy costs, and assist efforts to reduce greenhouse gas emissions.
- Continuously improve energy efficiency by implementing appropriate procedures and employing energy-saving equipment and technology.
- With the complete engagement of students, faculty members, and employees, energy waste will be avoided.





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- Conduct regular management evaluations to verify that the company is improving.
- At regular intervals, conduct energy audits and energy conservation awareness programmes.
- To assess our energy usage and measure its impact on the environment.
- To conduct energy and environment audit regularly.
- To reduce local air pollution emissions by prohibiting the entry of vehicles in to campus and using pedestrian-friendly roads.
- To install photovoltaic solar panels for the generation of alternate energy.
- To install LED bulbs in the complete campus to save energy.
- To take additional measures to continuously improve our energy consumption.
- To ensure the availability of necessary resources to achieve our objectives.
- To encourage use of advanced technology to minimize energy consumption, atmospheric emissions and noise, particularly from our vehicle fleets.
- To monitor and respond to emerging energy issues.
- To strengthen the awareness of energy conservation among the students and teachers.
- To provide information and training opportunities on energy saving measures.
- Through research and extension initiatives, raise community knowledge and education about energy conservation strategies.

SCOPE:

The scope of the energy conservation policy at SCPER encompasses all aspects of energy usage and management within the institution. This includes but is not limited to:

- Facilities: Energy conservation efforts will be applied to all buildings, facilities, and infrastructure owned and operated by the college, including classrooms, laboratories, offices, and recreational spaces.
- Operations: The policy extends to all operational activities that consume energy, such as heating, ventilation, air conditioning (HVAC) systems, lighting, water heating, and electrical appliances.
- Transportation: Efforts to conserve energy will also include transportation-related activities, such as optimizing fuel usage for college vehicles, promoting carpooling, and incentivizing the use of public transportation or alternative modes of transportation.
- Procurement: The policy will influence procurement decisions to prioritize energy efficient products and equipment, as well as environmentally sustainable materials and technologies.
- Education and Awareness: The scope includes educational initiatives aimed at raising awareness about energy conservation among students, faculty, staff, and the wider community, fostering a culture of sustainability.





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- Monitoring and Reporting: The policy encompasses systems for monitoring and reporting energy consumption, performance metrics, and progress towards energy conservation goals.
- Compliance and Regulations: The scope extends to ensuring compliance with relevant energy conservation regulations, standards, and best practices, as well as striving to exceed compliance requirements where feasible.
- By addressing these various aspects comprehensively, the energy conservation policy at SCPER aims to create a holistic approach to energy management that reduces environmental impact, promotes resource efficiency, and cultivates a culture of sustainability throughout the institution.

SPECIFIC MEASURES

A. For building:

- The windows and doors of the climate-controlled spaces should be shut when the systems are operating. Having a free flow of air is beneficial at other times.
- When they are not actively being utilized, power down computers, office machinery, lighting, window air conditioners, and any other electrical devices.
- Personal electrical equipment and air conditioners are not permitted.
- Personal PCs should have their power management capabilities enabled.
- The Energy Code should be observed not only in the design but also in the operation of buildings

B. New and renovation buildings:

- All construction efforts should address applicability and application, where necessary and practical, and energy life cycle costing studies should be included in the design process.
- For improved energy management capabilities, new construction should be added to the campus-wide energy management system.
- Solar (thermal and photovoltaic), wind, biomass, bio-fuels, hydro (conventional and low-head), co-generation, and energy recovery should all be considered.
- Connecting and/or extending central systems for heating, cooling, and other mechanical systems should be prioritized.
- The most energy efficient systems ("best available technology") should be used to meet year-round cooling needs.
- Utility metering should be included in all new building (electricity, natural gas, steam, and water).

C. For cooling specification:





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- When the room is occupied during the air-conditioning season, the temperature should be kept between the ideal temperature ranges for a classroom is between 73-79 degrees Fahrenheit during the summer months.
- Special areas research facilities and library special collection spaces that require consistent humidity levels or colder temperatures are the only exceptions to this guideline.
- Separate and specialized stand-alone dehumidification equipment will be taken into consideration if the functionality of this apparatus enables a reduction in the use of the building's cooling systems.
- Window air conditioners will still be used in places without central air conditioning. These units' temperature settings should be manually increased or the unit should be switched off when spaces are not in use.
- The campus monitoring team should be notified of any areas that are excessively chilly or too hot.

D. For transportation:

- Public transportation, bicycles, and car/van pooling should all be encouraged.
- Walking and cycling are promoted on campus by faculty, staff, and students.
- Investigations into the viability of battery-powered electric vehicles will be encouraged, with implementation taking place where possible.
- The purchase of new College fleet vehicles should be extensively scrutinized, and vehicles should be selected with the maximum feasible fuel efficiency.

E. For procurements:

- When possible, energy-efficient products should be purchased.
- When possible, purchase recyclable and reusable products to save money on disposal.

F. For maintenance:

- Over time, the efficiency of mechanical systems tends to deteriorate.
- To guarantee that the systems run as efficiently as possible, proper maintenance is essential.
- The Facilities Monitoring team is dedicated to not only providing quality in all construction projects, but also to ensuring that quality is maintained throughout the project's life cycle.
- Sound resource conservation measures will be incorporated into maintenance and operational procedures to reduce waste and energy consumption to the greatest extent possible.

G. For lighting:

- Employees and students are encouraged to actively participate in energy conservation efforts within all College buildings. This can be achieved by





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adhering to several key principles: firstly, lights in unoccupied areas should be switched off. Secondly, the replacement of incandescent lighting with more energy-efficient alternatives, such as compact fluorescent or light-emitting diode (LED) Tubes, is recommended. Additionally, it is advisable to maximize the utilization of natural light whenever feasible and to turn off non-essential lighting.

- In the context of new construction and renovations, it is advisable to prioritize the use of high-efficiency lighting while minimizing the use of incandescent lighting. Exterior decorative lighting should be minimized, and interior decorative lighting should be maintained at a minimal level. To further enhance energy savings and potentially improve productivity, the increased adoption of daylight lighting and appropriate lighting controls should be considered.
- Lastly, the management of lighting systems should be integrated into the campus-wide energy management system, with a focus on coordinating lighting with occupancy periods, setbacks during unoccupied periods, environmental conditions, and campus related events, ensuring the optimal utilization and conservation of resources.

H. Training and monitoring

- Both operations and service professionals must receive training to ensure that they have the skills and expertise to efficiently deploy the technologies used to save energy.
- If progress is not tracked on a regular basis, no energy conservation programme will be successful.
- Meter readings can be used to measure utility consumption, and the information can be utilized to pinpoint problem areas and assess if conservation targets are being reached. • All the college's campus buildings are now metered for electricity
- This is a critical undertaking for us since it will improve our capacity to track progress in our conservation and operational activities.

CONCLUSION

The energy conservation policy at SCPER stands as a testament to our unwavering commitment to sustainability and responsible stewardship of resources. Through a comprehensive approach encompassing facilities, operations, transportation, procurement, education, and compliance, we pledge to reduce energy consumption, minimize our carbon footprint, and foster a culture of environmental awareness and responsibility within our institution and beyond. By embracing energy-efficient practices, leveraging renewable energy sources, and engaging stakeholders in





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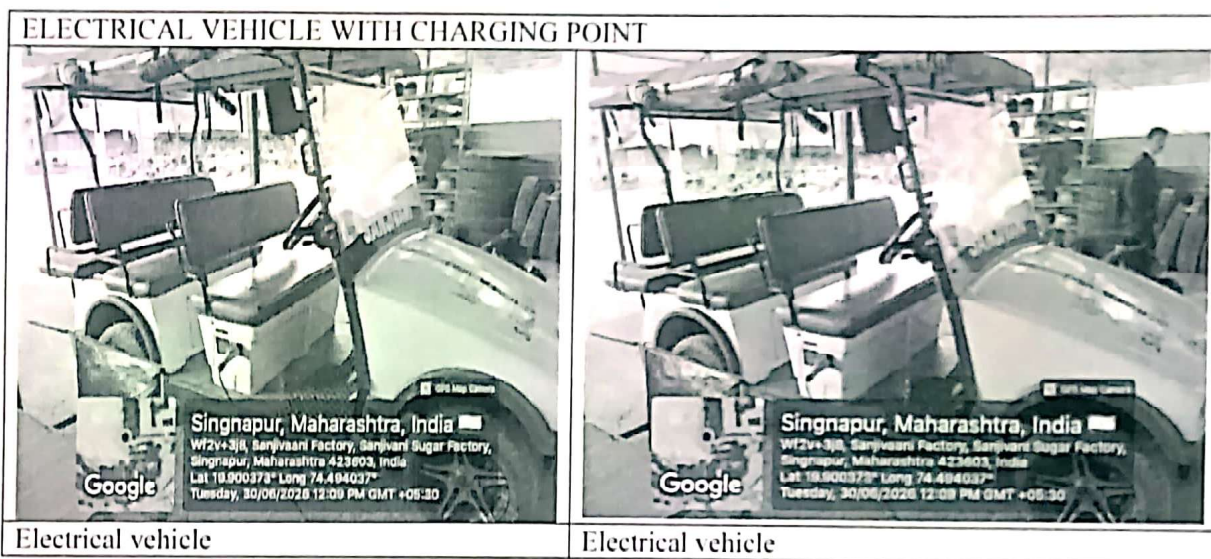
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collaborative efforts, we strive to create a greener, more sustainable future for generations to come, embodying our dedication to excellence in education and environmental leadership.




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