

## ENERGY CONSERVATION POLICY



**N S S College, Rajakumari**

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## Introduction

NSS College, Rajakumari, affiliated to Mahatma Gandhi University, Kottayam is a forefront institution established by the Nair Service Society in 1995 to provide a congenial ambience for academic pursuits to the students from the high ranges of Idukki District of Kerala. Spanning more than 29 years of meritorious service in the field of higher education, the institution upholds its vision and mission in tune with the vision of its founding management and plays a pivotal role in the voyage of discovery of profound knowledge. A distinctive quality, specific to the institution is that it takes a pertinent role in accommodating the learners from a socially and economically backward community, predominantly the first-generation learners. The institution follows the norms and regulations stipulated by the Government of Kerala and the affiliating university in admission policy and intake of students.

By implementing these green campus initiatives, the college is taking a proactive approach to environmental responsibility and encouraging students and the community to be conscious of their ecological impact. Such initiatives not only create a more sustainable campus environment but also instill a sense of environmental consciousness among students, making them responsible citizens who can contribute positively to the society and the planet at large.

## Objectives

The key objective of the policies includes

- Integrating environmental issues into policies, strategies and programmes for social development and outreach initiatives.
- Protection and preservation of ecological systems and resources on campus.
- To consistently increase the effective use of all resources, including water and energy, and to cut back on consumption and waste production while recovering and recycling waste materials whenever practical.
- To occasionally undertake audits of the environment and energy use.
- To reduce the usage of paper in administration by implementing an e-governance policy and minimizing use of plastics within campus.

## Methodology

1. To enhance energy efficiency, reduce maintenance expenses, and achieve cost savings, the college aim to install LED lights throughout the entire campus.
2. To refurbish the damaged/faulty LED lights in the college and nearby areas through students in the skill development centre of the college.
3. To promote sustainability and prioritize the use of energy-efficient equipment the college focuses on adopting energy-efficient equipment rather than traditional alternatives.
4. To conduct regular energy audits and follow the instructions and advices given by auditing agency.
5. To install solar on-grid based power at least of 10 KW capacities.
6. Implementing energy conservation campaigns and educational programs to increase awareness and promote responsible energy use among students and staff.
7. Maximizing the use of daylight and turning off unnecessary lights to conserve energy.
8. To install solar based standalone lamps in the campus through the skill development centre.

Environmental and Energy Usage Policy of NSS College Rajakumari is designed to promote sustainability and reduce environmental impact across the campus. By implementing energy-efficient practices, promoting renewable energy, managing waste and water resources, and engaging the campus community, the policy aims to create a more sustainable and environmentally responsible institution. Key initiatives include enhancing energy efficiency through upgrades such as LED lighting system, installing solar energy based lamps, refurbishing faulty LED bulbs and Lights. The policy also emphasizes reducing waste through comprehensive recycling programs and sustainable procurement practices, as well as conserving water with efficient fixtures and drought-resistant landscaping.

Solar energy, as a clean and renewable source of electricity, has proven to be an effective way to reduce electricity bills. By harnessing the power of the sun, the college generates electricity without relying on non-renewable resources that often come with high costs and environmental consequences. By adopting a systematic energy usage policy and identifying alternative natural renewable energy resources

like solar power, the college is not only reducing its impact on the environment but also working towards minimizing costs and contributing to solving the impending energy crisis.

## **Conclusion**

By engaging students, faculty, and staff in sustainability practices and raising awareness about conservation, the policy fosters a culture of environmental responsibility. Continuous monitoring, evaluation, and adaptation of the policy ensure that the college meets its sustainability goals and contributes positively to environmental conservation efforts.

Additionally, the college's efforts to use power-saving equipment, such as LED lighting and energy-efficient electronic appliances, further contribute to energy conservation. Such initiatives not only save electricity but also reduce the overall carbon footprint of the campus. The positive impact of these efforts not only benefits the college itself but also contributes to the larger goal of sustainable development and environmental preservation.

Students effectively refurbished LEDs collected from their homes and nearby places and distributed to college hostel, nearby HSS to reduce the E-Waste. Also solar based standalone lamps are erected in the campus by the skill development centre so as to use the solar energy effectively.