

GREEN AUDIT COMMITTEE

2024-2025



SHREE ANANT SMRITI CHARITABLE TRUST KASAL'S

INSITUTE OF NURSING KASAL,

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PREPAIRED BY-

GREEN AUDIT COMMITTEE

SASCTK'S INSTITUTE OF NURSING,

KASAL.

**SHREE ANANT SMRITI CHARITABLE TRUST INSTITUTE OF
NURSING KASAL**

GREEN AUDIT COMMITTEE

INTRODUCTIONS: -

The term "Green" means eco-friendly or not damaging the environment. This can acronymically be called as "Global Readiness in Ensuring Ecological Neutrality" (GREEN). Green Audit can be defined systematic identification, quantification recording, reporting and analysis of components of environmental diversity. "Green Auditing" an umbrella term, is known by another name "Environmental Auditing".

The 'Green Audit aims to analyse environmental practices within and outside the college campus, which will have an impact on the eco-friendly ambience. It was initiated with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit.

Green Audit was conducted at SASCTK INSTITUTE OF NURSING KASAL. In the month of August 2024. So, our institution undertakes the measures/initiatives towards environment preservation drive through sensitizing and orienting the campus community and undertaking programmes like Green Campus, Save Water, Plant and Save Trees, Waste Management. Moreover, the Green Audit is also one of the requirements the NAAC has envisaged for the educational Institutions.

OBJECTIVES:

- To do plantation of Maximum tree to protection the environment.
- To create environmental awareness among students.
- To make effective waste management (solid, water)
- Effectively using Alternate energy initiatives such as (Solar plant)
- To try to make our college plastic free, ecofriendly and have to take measure towards believe it.
- To care and periodically evaluation of tree.
- Observation and maintain the garden area.

STRATEGIES AND RECOMMENDATIONS: -

- Maintenance of a clean pollution free campus.
- Creating awareness towards cleanliness and conservation of natural resources amongst students, teachers and employees.
- Ensure maintenance of greenery on the campus by undertaking tree plantation program on a regular basis.
- Organize different types of competitions addressing environmental protection and conservation.
- Invite renowned environmentalists on the campus to deliver expert lectures.
- Organize rallies in neighbouring areas for keeping the residential colonies neat and clean
- Coordinate with NSS in interrelated areas covering greenery, pollution free campus and awareness creation activities.

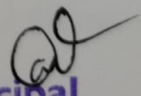
GREEN AUDIT STATION: -

Following Station are made for green audit in the college premises.

- 1) Station: Administrative Block
- 2) Station: Staff Room
- 3) Station: Vermicomposting pit
- 4) Station: Hostel
- 5) Station: Canteen
- 6) Station: College Campus

GREEN AUDIT COMMITTEE MEMBERS: -

Sr. No.	Name Of Members	Designation
1	Mr. Siddharama M.B.	Vice Principal
2	Mrs. Smita Murkar	Lecturer
3	Ms. Shweta Sutar	Nursing Tutor
4	Ms. Neha Dhuri	Student
5	Mr. Rohit Jangale	Student


Principal
SASCTK's, Institute of Nursing, Kasal
At Post- Gaorai, Tal- Kudal,
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SOLAR ENERGY PROJECT

Title :

“Implementation of Solar Water Heater in Nursing College: A Sustainable Initiative”

Introduction:

As part of its commitment to environmental sustainability, the nursing college has installed a solar water heater system to provide hot water for its students, faculty, and staff. This report highlights the benefits, technical specifications, and environmental impact of the solar water heater system.

Background:

The nursing college recognized the need to reduce its reliance on non-renewable energy sources and minimize its carbon footprint. After conducting a thorough feasibility study, the college decided to install a solar water heater system to meet its hot water requirements. The primary objective was to reduce energy consumption, decrease greenhouse gas emissions, and promote environmental sustainability.

Solar Energy System:

Solar Water Heater System:

The nursing college installed a 2000-liter solar water heater system, comprising:

1. **Solar Collectors:** 16 solar collectors, each with a surface area of 3.5 square meters, are installed on backside the college buiding to absorb solar radiation and heat water.
2. **Insulated Storage Tank:** A well-insulated storage tank with a capacity of 2000 liters is used to store hot water.
3. **Piping and Fittings:** The system includes a network of pipes and fittings to distribute hot water to various locations within the college.
4. **Temperature Control System:** A temperature control system is installed to regulate the temperature of the hot water and prevent scalding.

Benefits:

1. **Renewable Energy Source:** Solar energy is a clean and renewable energy source, reducing dependence on fossil fuels and decreasing greenhouse gas emissions.
2. **Energy Savings:** The solar water heater system has resulted in significant energy savings, with an estimated reduction of 30% in electricity bills.
3. **Reduced Carbon Footprint:** The nursing college has reduced its carbon footprint by approximately 5 tons of CO₂ per year, contributing to a cleaner environment.
4. **Increased Awareness:** The solar water heater initiative has raised awareness among students, faculty, and staff about the importance of renewable energy and sustainability.

Impact On Environment:

1. **Greenhouse Gas Emissions:** The solar water heater system has reduced greenhouse gas emissions, contributing to a decrease in air pollution and climate change.
2. **Conservation of Natural Resources:** By harnessing solar energy, the nursing college has reduced its reliance on non-renewable energy sources, conserving natural resources for future generations.
3. **Waste Reduction:** The solar water heater system has minimized waste generation, as it does not produce any hazardous waste or emissions.

Challenges And Future Plans:

1. **Initial Investment:** The initial investment for the solar water heater system was significant, requiring careful planning and budgeting.
2. **Maintenance and Upkeep:** Regular maintenance and upkeep of the solar water heater system are essential to ensure optimal performance and longevity.
3. **Expansion Plans:** The nursing college plans to expand its solar water heater capacity in the future, exploring opportunities for energy storage and grid synchronization.

Conclusion:

The implementation of the solar water heater system in the nursing college has been a successful initiative, demonstrating the college's commitment to environmental sustainability and energy conservation. The system has not only reduced energy costs but also contributed to a cleaner environment, promoting a healthy and sustainable future for generations to come. As the college continues to grow and evolve, it remains dedicated to exploring innovative and sustainable solutions, inspiring others to follow in its footsteps.



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