



7.1.2 SOP for degradable and non-degradable waste Management

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya champions an eco-friendly ethos, recognizing the shared responsibility of educational institutions in environmental stewardship. They prioritize efficient energy usage, favoring renewable sources for daily power needs and implementing proper waste disposal techniques. Embracing eco-consciousness, the institution procures environmentally friendly supplies and equipment while actively engaging in waste recycling initiatives. They advocate for the use of power-efficient appliances and emphasize the importance of responsible natural resource utilization, such as rainwater harvesting. Through these practices, the institution not only educates but also exemplifies sustainable living to its students and the broader community. Sarojini Naidu Vanita Pharmacy Maha Vidyalaya embodies a commitment to sweeping away inefficiencies, fostering a greener environment for generations to come.

Objectives

- To create eco-friendly buildings by integrating sustainable design.
- Properly handling waste through efficient management, recycling, and environmentally conscious disposal methods.
- Recycling waste through comprehensive programs, ensuring minimal environmental impact and promoting sustainability.
- Implementing renewable energy systems
- Utilize natural resources for sustainability.
- Employ power-efficient equipment for sustainability.

Institute implements following practices towards establishment and maintenance of eco-friendly environment in the campus

1. Green building

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya adhering strictly to AICTE regulations regarding land allocation and building dimensions for technical institutions, as well as implementing ISO 14001 environmental management system standards during construction, the institute ensures that buildings are designed to provide ample natural sunlight and open-air ventilation.

2. SOP for degradable and non-degradable waste Management

Solid Waste Management

The institute features separate dustbins for biodegradable and non-biodegradable wastes, strategically placed in areas such as classrooms, laboratories, and administrative offices, each clearly labelled with instructions for waste segregation. Biodegradable waste, including packaging materials, is collected in larger quantities and sent for recycling to minimize environmental impact.

Liquid Waste Management

The college implements a comprehensive liquid waste management strategy, directing waste from toilets, sinks, and washbasins to underground pits linked to municipal sewage for disposal, while hazardous chemicals are stored in specialized cupboards. Practical waste

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is efficiently drained through flush systems, with a Sewage Treatment Plant treating waste, using treated water for zero discharge and groundwater conservation. Additional sustainability measures include rainwater harvesting, a student-developed sewage cleaning tool, and wastewater reuse, with liquid waste repurposed as fertilizer and RO-treated water used for irrigating green areas, showcasing the institution's dedication to responsible waste management, sustainability, and environmental awareness.

Biomedical Waste Management

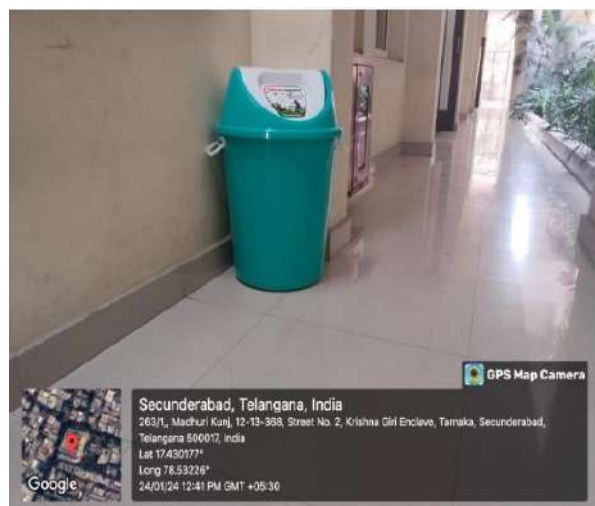
The college has instituted a robust biomedical waste management system to handle waste from its laboratories and medical facilities. Biomedical waste is collected in red bins and undergoes autoclaving for sterilization before being buried to prevent the spread of infections. Strict labeling and handover procedures are followed to ensure safe disposal by the municipal corporation, maintaining a hygienic and clean campus environment while minimizing infection risks.

E-Waste Management

The college efficiently manages e-waste through repair, reuse, and recycling efforts, utilizing designated collection points and collaborating with certified vendors. Hazardous waste undergoes careful handling, dilution, and neutralization before disposal to ensure environmental safety. Renewable energy initiatives meet power needs, while faculty guidance and fuming chambers ensure proper chemical handling. Practices like diluting strong acids and bases for safe disposal are implemented, alongside rainwater harvesting and wastewater recycling for reuse. This comprehensive approach reflects the institution's dedication to sustainable practices, waste reduction, safety promotion, and carbon emission reduction. For precise details, verification with the college administration is advised

Management of various types of degradable and non- degradable wastes

Maintenance of dustbins at corridors



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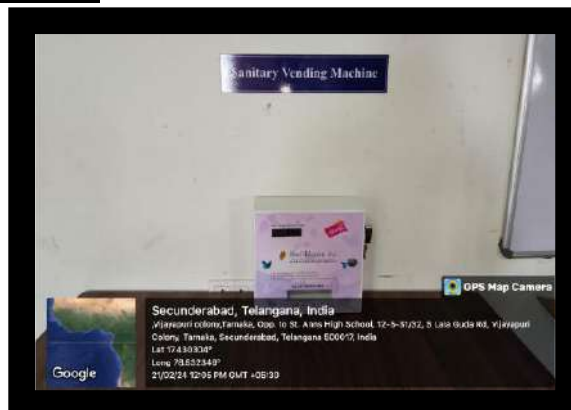
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Maintenance of dustbins at labs and class rooms



Sanitary vending machine



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