

**Sustainability Measures
Implemented
At
Swami Vivekanand Subharti
University**



Swami Vivekanand Subharti University, Meerut

(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(f) of UGC Act 1956)

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Name of the Facility	Positive Observations	Documentation maintained
Solar Energy	The entire electricity generated by using a solar system is effectively utilized for in-house consumption	• Installation bills and commissioning documents • Maintenance and service bills/records • Electricity bills demonstrating a reduction in energy costs due to solar power generation • Energy generation and consumption records • Real-Time Generation Display Photographs • Annual performance and efficiency reports • Warranty and AMC (Annual Maintenance Contract) documents, wherever applicable • Geo-tagged Photographs • Videos of concerned Facilities



Solar Panels



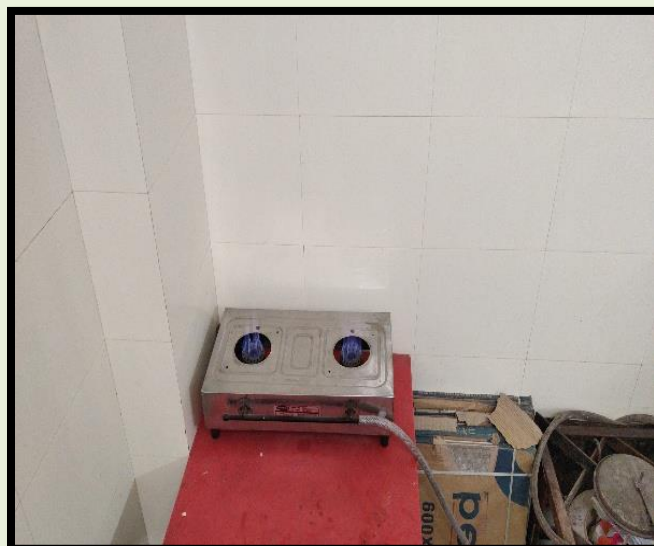
Real Time Generation Display



Name of the Facility	Positive Observations	Documentation maintained
Biogas Plant	Biogas plants have been installed at three different locations on the university campus, serving the hostel messes. The plants are functional, and the prescribed process for biogas generation and utilization is being duly followed. However, during the visit, the utilization of the biogas generated could be demonstrated only at the Dr. Kotnis Hostel, where the biogas was shown by igniting a flame.	• Installation bills and commissioning records • Maintenance and service bills/ records • Daily food waste generation records from hostels • Records of waste fed into the biogas plants • Logbook of inspections and corrective actions taken • Geo-tagged Photographs • Videos



Biogas Plant



Flame Ignited by Biogas Generated



Name of the Facility	Positive Observations	Documentation maintained
Sensor-Based Energy Conservation	Sensor-based lights have been installed in selected areas of the university campus. Around 60-70 such lights were found to be functional during the visit, helping in energy conservation and efficient use of electricity.	• Installation and purchase bills/invoices • Location-wise list of sensor-based lights installed on campus • Maintenance and service records • Warranty documents • Annual maintenance contract (AMC) documents, if applicable • Geo-tagged Photographs • Videos



Sensor Based Lights



Sensor Based Lights



Name of the Facility	Positive Observations	Documentation maintained
Use of LEDs	It was noted during the visit that, as per the information shared by the concerned officials, approximately 80% of the conventional lighting fixtures across the university campus have been replaced with LED lights.	• Purchase bills/invoices for LED lights and fixtures • Installation records and work orders • Location-wise inventory of LED lights installed on campus • Replacement records of conventional lights with LEDs • Maintenance and repair records • AMC (Annual Maintenance Contract) records, if applicable • Stock and issue records for LED lights and accessories • Geo-tagged Photographs • Videos



Use of LEDs



Use of LEDs



Name of the Facility	Positive Observations	Documentation maintained
Solid Waste Management	Waste collection bins are available in academic and residential areas. The University has established Pit Composting, Vermi-Composting, and NADEP Composting units, which were found functional during the visit. Organic waste generated from gardens, hostels, and other campus activities is utilized for compost preparation, promoting sustainable waste management and supporting campus landscaping activities.	- Records of organic waste collection and processing - Compost generation registers - Utilization records of compost - Maintenance records of composting units - Geo-tagged Photographs - Videos



Food Waste Processor



Compost Pit



Name of the Facility	Positive Observations	Documentation maintained
Liquid Waste Management	Two Effluent Treatment Plants (ETPs) and one Sewage Treatment Plant (STP) were found functional during the visit and are effectively serving their intended purpose. The treated water is being managed in accordance with the prescribed procedures, contributing to sustainable liquid waste management practices on the campus.	- ETP and STP installation and commissioning records - Operation and maintenance logs - Water quality analysis reports - Treated water utilization records - Annual maintenance records - Inspection and monitoring reports - Geo-tagged photographs - Videos



Sewage Treatment Plant (STP)



Effluent Treatment Plants (ETP)



Name of the Facility	Positive Observations	Documentation maintained
Biomedical Waste Management	Biomedical waste generated from hospitals and healthcare facilities is segregated and disposed of through authorized agencies as per prescribed guidelines.	• Agreement/MoU with Vendor • Valid authorization certificates of the vendor from the Pollution Control Board. • Biomedical Waste Generation Registers (category-wise). • Daily waste collection and handover records. • Waste manifests and collection receipts issued by the vendor. • Monthly and annual biomedical waste disposal reports. • SOPs for biomedical waste segregation and handling. • Geo-tagged photographs • Videos



Biomedical Waste Collection Unit



Biomedical Waste Treatment Unit



Name of the Facility	Positive Observations	Documentation maintained
E-Waste Management	The University has engaged an authorized vendor for the disposal and recycling of e-waste. E-waste generated on the campus is disposed of through the authorized agency as per prescribed procedures.	- E-waste Management Policy/SOP - Inventory of obsolete computers, electronic equipment, and accessories. - Agreement/work order with the authorized e-waste vendor. - E-waste collection and handover records. - Recycling/Disposal Certificates issued by the authorized vendor. - Invoices, receipts, and disposal reports. - Geo-tagged photographs - Videos.



E-Waste Collection Unit



Collected E-Waste



Name of the Facility	Positive Observations	Documentation maintained
Waste Recycling System	The University has established multiple waste recycling and resource recovery systems on the campus, like Biogas Plants, Pit Composting, Vermi-Composting, and NADEP Composting units, the Sewage Treatment Plant (STP), and Effluent Treatment Plants (ETPs), etc.	• Installation and commissioning records of biogas plants, STPs, and ETPs. • Daily records of organic waste processed through composting and biogas units. • Compost generation and utilization records. • Biogas generation and utilization records. • STP and ETP operation and maintenance logs. • Water quality analysis reports. • Waste recycling and resource recovery reports. • Inspection and monitoring records. • Geo-tagged photographs • Videos.



STP/ETP Outlet Reading



Compost Manure Pit



Name of the Facility	Positive Observations	Documentation maintained
Hazardous Chemicals and Radioactive Waste Management	Hazardous chemicals generated in teaching and research laboratories are stored, handled, and disposed of following the prescribed laboratory safety procedures.	- Chemical inventory registers. - Purchase and consumption records of hazardous chemicals. - Material Safety Data Sheets (MSDS). - Chemical storage and handling SOPs. - Records of disposal of expired or hazardous chemicals. - Geo-tagged photographs - Videos. - Regulatory approvals and disposal records, wherever applicable.



Waste Collection Bins



Waste Carrier



Name of the Facility	Positive Observations	Documentation maintained
Rainwater Harvesting	Rainwater harvesting structures have been established at 33 locations to facilitate groundwater recharge and water conservation.	- Location-wise list of rainwater harvesting structures. - Layout plan/map showing rainwater harvesting locations. - Construction and installation records. - Technical specifications and design drawings, wherever available. - Maintenance and desilting records. - Records of groundwater level monitoring, if maintained. - Geo-tagged photographs - Videos



Rain Water Harvesting Structure



Rain Water Harvesting Details



Name of the Facility	Positive Observations	Documentation maintained
Bore well/Open Well Recharge	Two bore wells are available on the campus, and groundwater recharge is facilitated through the existing rainwater harvesting structures.	- Location-wise details of bore wells and recharge structures. - Construction and installation records. - Maintenance and cleaning records. - Groundwater level monitoring records, if available. - Geo-tagged photographs and videos. - Green Audit/Environmental Audit reports.



Bore Well



Bore Well Recharge system



Name of the Facility	Positive Observations	Documentation maintained
Construction of Tanks and Bunds	Water storage tanks were observed on the campus, which support water storage and distribution requirements.	• Details and specifications of water storage tanks. • Layout plan showing the location of tanks and bunds. • Construction and installation records. • Maintenance and cleaning records. • Geo-tagged photographs • Videos.



Overhead Tank



Water Treatment Plant



Name of the Facility	Positive Observations	Documentation maintained
Waste Water Recycling	The University has established one Sewage Treatment Plant (STP) and two Effluent Treatment Plants (ETPs), which were found functional during the visit and are effectively serving their intended purpose. The treated wastewater is being utilized for non-potable purposes such as gardening, landscaping, and other suitable applications within the campus, thereby reducing dependence on fresh water resources.	• STP and ETP installation and commissioning records. • Operation and maintenance logs. • Treated water quality analysis reports. • Records of treated water utilization. • Annual maintenance records. • Inspection and monitoring reports. • Geo-tagged photographs • Videos.



Water Recycling Unit



Slurry Generated from Recycled Water



Name of the Facility	Positive Observations	Documentation maintained
Maintenance of Water Bodies and Distribution System	The University has established water distribution and management systems to ensure an adequate and efficient water supply across the campus. The existing infrastructure, including storage, distribution, and maintenance mechanisms, was found operational during the visit and supports the University's water conservation and management efforts.	• Water distribution system layout plans. • Maintenance and inspection registers. • Water consumption and conservation reports. • Records of leak detection and corrective actions. • Constitution and meeting records of the Water Management Committee. • Geo-tagged photographs • Videos.



Water Distribution System



Water Treatment System



Name of the Facility	Positive Observations	Documentation maintained
Restricted Entry of Automobiles	The University has adopted measures to restrict the entry of automobiles beyond designated parking areas by observing Car Free Day for 3 days a week. This initiative helps reduce vehicular congestion, minimizes carbon emissions, and promotes a safer and greener campus environment.	• Green Campus Policy. • Circulars regarding restricted entry of vehicles. • Parking area details and maps. • Geo-tagged photographs • Videos.



Car Free Day Banner/ Display



Restricted Entry of Automobile



Name of the Facility	Positive Observations	Documentation maintained
Battery-Powered Vehicles	Battery-powered vehicles are available for internal transportation within the campus, contributing to reduced carbon emissions and supporting sustainable mobility practices.	• Purchase and commissioning records of battery-operated vehicles. • Maintenance records. • Vehicle utilization logs. • Geo-tagged photographs • Videos.



Battery Powered Vehicles used in the Campus



Name of the Facility	Positive Observations	Documentation maintained
Pedestrian-Friendly Pathways	The campus has well-developed pedestrian-friendly pathways and walkways that facilitate safe and convenient movement of students, staff, and visitors.	• Campus layout showing pedestrian pathways. • Maintenance records. • Geo-tagged photographs • Videos.



Pedestrian-Friendly Pathways



Pedestrian-Friendly Pathways



Name of the Facility	Positive Observations	Documentation maintained
Ban on the Use of Plastics	The University has implemented measures to discourage the use of single-use plastics on the campus.	- Plastic-Free Campus Policy. - Circulars and notifications regarding the ban on single-use plastics. - Agreements/MoUs with canteen, mess, cafeteria, and other vendors containing clauses related to the prohibition of single-use plastics. - Photographs of awareness displays and signage. - Geo-tagged photographs - Videos.



Plastic Ban Banner/ Display Board



Plastic Bottle Collection Bin



Name of the Facility	Positive Observations	Documentation maintained
Landscaping with Trees and Plants	The University campus is enriched with extensive landscaping, green lawns, trees, medicinal plants, and ornamental plantations that contribute to biodiversity conservation, environmental sustainability, and aesthetic enhancement. A notable strength of the University is its in-house nursery maintained by the Department of Horticulture, which supports the development and maintenance of green spaces across the campus.	• Plantation and landscaping records. • Tree census/species-wise inventory, if available. • Records of plantation drives and awareness activities. • Maintenance records of gardens and landscaped areas. • Geo-tagged photographs • Videos.



Landscaping



Lsndscaping



Name of the Facility	Positive Observations	Documentation maintained
Ramps/Lifts for Easy Access to Classrooms	The University has made considerable efforts to create an inclusive and barrier-free campus environment. Ramps with handrails and lift facilities are available in major academic, administrative, hospital, and residential buildings to facilitate easy access for persons with disabilities (Divyangjan).	• Maintenance records of lifts and ramps • Geo-tagged photographs • Videos.



Ramp/ Rail



Lift



Name of the Facility	Positive Observations	Documentation maintained
Disabled-Friendly Washrooms	Disabled-friendly washrooms have been provided in various academic, administrative, and healthcare facilities across the campus.	- Location-wise details of accessible washrooms. - Cleaning and maintenance registers. - Geo-tagged photographs - Videos.



Disabled-Friendly Washrooms



Disabled-Friendly Washrooms



Name of the Facility	Positive Observations	Documentation maintained
Signage Including Tactile Paths, Display Boards and Signposts	Directional signboards, display boards, and signposts are available across the campus to assist students, staff, patients, and visitors in navigating various facilities.	• Campus maps and signage plans. • Records of installation and maintenance of signboards. • Geo-tagged photographs • Videos



Assistive Stick



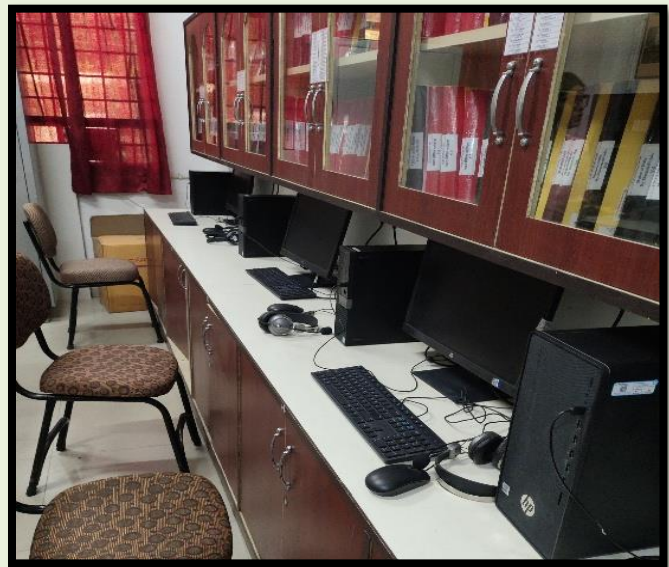
Signage



Name of the Facility	Positive Observations	Documentation maintained
Assistive Technology and Facilities for Divyangjan	The University has made provisions for various assistive technologies and support facilities to promote an inclusive learning environment for persons with disabilities (Divyangjan). During the visit, facilities such as wheelchairs, spectacles for visually impaired individuals, walking sticks for the blind, Braille books, NVDA (Non-Visual Desktop Access) screen-reading software, and an accessible University website with screen-reader functionality were observed.	• Inventory of assistive devices and equipment. • Records of wheelchairs, Braille books, walking sticks, spectacles, and other support aids available. • Details of NVDA software and other accessibility tools installed. • Documentation regarding website accessibility and screen-reader compatibility. • Maintenance and replacement records of assistive devices. • Beneficiary records, wherever applicable. • Geo-tagged photographs • Videos



Disabled-Friendly Washrooms



NVDA Software



Name of the Facility	Positive Observations	Documentation maintained
Provision for Enquiry and Information Support	The University provides human assistance and support services to students and visitors requiring special assistance.	- Policy for Divyangjan support and inclusion by Registrar office or Controller of Examination. - Records of assistance provided. - Details of readers, scribes, and special support services, wherever applicable. - Geo-tagged photographs - Videos.



Disabled Advisory Service Center



Enquiry/ Human Assistance



