

Waste Management Policy for Sustainable Environment



V.B.S Purvanchal University Jaunpur, U.P.

INDIA

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WASTE MANAGEMENT POLICY

Introduction:

VBS Purvanchal University, Jaunpur has been making very distinctive contributions in the field of environment and sustainability and has been paying considerable attention to minimize the production of waste on the campus. This policy envisages to guaranteeing the moral, social and legal responsibilities of the University in creating an environment-friendly and sustainable world devoid of waste and exploitation of nature. This policy is a guidance document to the faculty members, staffs and students to behave responsibly towards production of waste, waste segregation, storage, handling, transportation and disposal. The Policy aims to incorporate the existing policy of state and central Government regarding waste management.

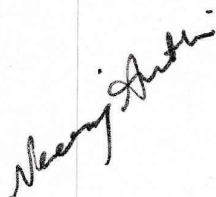
The Policy vision:

The policy envisions a community which is acutely conscious of the anthropogenic condition of the world and therefore strives to create an ecologically healthy, prospering and resource efficient community, where waste is considerably reduced, recycled, reused and disposed of using an environment friendly safe method.

Policy objectives:

- Create consciousness among faculty and students about the ways in which waste is generated and the means by which they can reduce waste generation and manage the waste they produce.
- Orienting them to adopt appropriate technologies for processing and managing solid, liquid and e-waste.
- Give appropriate training to segregate hazardous and non-hazardous waste and dispose of them using appropriate method without creating further environmental pollution.
- Follow the four "R" principles of Reduce, Reuse, Recycle, Refuse
- Maintain the campus single use plastic free
- Effective strategy for the collection of Solid, liquid, e-wastes and biomedical waste and proper disposal in consultation with private/government agencies.

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Solid waste management:

Students shall be instructed to avoid generating waste. Solid waste shall be isolated and deposited in the green, yellow and red bins dedicated for the purpose in front of all buildings. Food waste shall be used to feed to cattle. The ongoing project by Environmental Science department shall focus on training in bio-waste management using VERMICOMPOSTING technology. There shall be separate bins for degradable, non-degradable and electronic items in each department; red painted for plastic and related stuff, and green ones for degradable. Waste from various rooms shall be collected in the waste segregation centre and scrutinized for segregation. The segregated waste must be disposed of properly and can be sold to the MoU signed agency for recycling. Waste paper shall be used for the startup venture of PAPER PENS (PERPEN). Precaution shall be taken not to bring disposables such as PET bottles, Thermocol, paper plates or cups to the campus. Steel glasses and plates stored by the NSS units shall be used during camps. Plastic wastes used for the formation of Eco bricks by the students which is used for the decoration and formation of stools and table. An incinerator shall be installed in the campus to burn garbage.

Liquid waste management:

Liquid waste generated in the wash areas (bath rooms, toilets), canteen and snack area (Foodies' Corner) shall be passed through drains to be absorbed into the earth midway through the college ground. Canteen wastewater shall be managed through sedimentation pits which are cleared periodically of the waste and the rest of the water shall pass into the traditional drain. Sewage treatment plant (STP) must also be installed to treat the waste water. Liquid waste generated from the laboratories contains organic and inorganic chemical waste which may be hazardous as well as nonhazardous waste. Employees and students must be trained to identify the hazardous chemical waste and there should be proper disposal mechanism. Acidic or liquid waste, after neutralizing them in laboratory, should be disposed in soak pits. Use of hazardous liquid chemicals generating hazardous fumes shall be avoided using fume hoods installed in the laboratories.

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Mary Shukla

[Signature]

E-waste management:

To lessen e-waste, electronic devices receive routine maintenance. Software must be updated to cut down on obsolescence and capital expenditure. Obsolete electrical devices should be identified and sold off by the University's central store or be handed over periodically to the JMC (Jaunpur Municipal Corporation).

The following items are identified by the agency as e-waste and agency shall dispose of this waste safely.

Camera, Hard Disk, Mobile, Network Rack, Printer, UPS, Laptops, PCBs, Refrigerator, Copper Cables CPU, Mother Board, Mouse, Network, Switches, Scanner, Cable Box, Server, computer, Inverters, Compressor, Electrical Switches, CRT Monitor, LCD Monitor, N Computing Terminals, Photo Copier, SMPS, Fax Machines, Pump, Bio Medical Equipment, Lead Acid Batteries, Miscellaneous E Waste.

Waste Recycling System

The following measures shall be in place for waste recycling:

1. All one-side used papers shall be utilized for routine printing activities.
2. Used papers shall be put to use for making paper pens as a startup venture
3. Saleable materials like paper bits, plastic waste including accumulated PET bottles etc. shall regularly be sold to recycling agents thus generating some income for outreach activities
4. Ballpoint pens shall be put to REUSE by inserting new REFIL or sold at a cheaper rate through HONESTY SHOP.
5. Recycled water from the treatment plant shall be used for gardening purposes.



Neeraj Shrivastava



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Clean Campus Committee of the University

Chairman

IQAC Coordinator

Dean of Student welfare

Head of Department of Chemistry

Faculty of Environmental Science

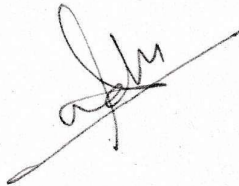
NSS Programme coordinator

NSS Programme Officer

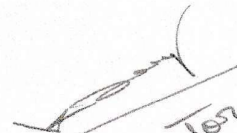
Student Counsellor

Work Supervisor


Student Representatives (Three from Student Council)



Neeraj Shrivastava
(member)



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