



WASTE MANAGEMENT POLICY

OF

GOUR MOHAN SACHIN MANDAL MAHAVIDYALAYA



GMSM Mahavidyalaya strives to have a minimal hazardous impact on the environment and is dedicated to reduce and manage the waste generated in the college campus. The following specific procedures are undertaken to ensure our Institution's contribution in protecting the environment.

- ❖ The college has a dedicated focus to see that minimal waste is generated in the campus. Solid waste is segregated as bio degradable and non-degradable and the non-degradable ones are handed over to Panchayet.
- ❖ Segregation of waste into dry and wet waste from the separately allotted dustbins is done in strategic locations, thus maintaining the Campus clean.
- ❖ To increase the rate of recycling of all appropriate materials, based on life-cycle principles.
- ❖ To implement sustainable resource management practices, based on reduce, reuse and recycle principles.
- ❖ The college is committed to zero waste through the 5R's- Refuse, Reduce, Reuse, repurpose and recycle.
- ❖ The college values environmental resources and adopts sustainable measures in all processes across its premises. To this end, the College ensures reduction of hazardous and non-hazardous liquid and solid waste generation, increased recycling in all possible areas and usage of waste wherever possible.
- ❖ The College has a comprehensive **Waste Management Policy** that forms a part of the College's sustainability framework and helps support the nation's effort in climate change mitigation and social responsibility.
- ❖ The Waste Management Policy aims to ensure that the College manages waste issues in line with the prevention of pollution. Zero waste (energy, water, solid, air) is the target for all activities in the College.

The **Waste Management Policy** of the college is in line with the sustainability vision of India by focusing on-

- ∂ Making use of natural or renewable materials, wherever possible.
- ∂ Follow the waste management hierarchy – **Avoid, Reuse, Recycle, Energy recovery, and Treatment & Disposal.**
- ∂ Ensuring safe and secure handling, organization and transportation of the waste generated in the premises.
- ∂ Training students and staff members on all aspects of waste management relevant to their roles.
- ∂ Awareness of waste management process is also imparted to ensure that all students, teaching and non-teaching staff members of the College, are made aware of waste management and recycling.
- ∂ The Principal's Office will assist in the development of signage and literature to raise campus awareness of the Waste Reduction and Recycling Policy.
- ∂ Poster Campaigns in the college
- ∂ Reduce and Reuse Management Policy.

WASTE MANAGEMENT INITIATIVES

✓ *CREATING PLASTIC FREE CAMPUS:*

The college strives to be a plastic free campus. The College encourages its staff members both teaching and non-teaching as well as its students to minimize plastic waste by using reusable bottles or glasses for drinking water. The College has instructed the canteen to take concrete steps to reduce, reuse and recycle plastic items, particularly bottles as well as disposable coffee cups. The college canteen has strictly been instructed to use only bio-degradable cups and plates and to use separate bins with a view to dump bio-degradable and non-bio-degradable wastes separately. The Eco-club, NSS AND NCC volunteers regularly sensitize the staffs, students and others of the college not to use of plastic. In various part of the campus there are many display board citing "It is Plastic Free Campus".

✓ *SOLID WASTE MANAGEMENT:*

For solid waste management dustbins are placed in every class room and both the sides of each floor. Outside the building two separate big dustbins are placed for biodegradable and non-biodegradable waste, where all the solid waste are collected and disposed. They have been strategically placed in central locations near high student population areas or intersections where they can be easily seen and accessed. This includes areas near main entrances so students entering and exiting have quick and easy access. Green coloured dustbins for the biodegradable products or wet products and blue for the non-biodegradable or dry products are placed at different strategic points in the college campus. The non-biodegradable wastes are collected and disposed through Panchayat as solid waste. The canteen has also been trained to separate the wastes generated in dry and wet categories.

✓ *RAINWATER HARVESTING/ RECYCLING*

The Rainwater Harvesting System established in the College is an example of its proactive approach towards environment conservation. Sustained efforts are taken by the College to harvest and store the rainwater wherever possible inside the premises. The system set-up includes Rooftop Rainwater Harvesting, and Ground rainwater harvesting which uses pipes to divert water to the plant. The plant then recycles the rainwater to the main pit where it is stored and reused for gardening and toilet water purposes.

✓ *SMOKING AND CHEWING FREE CAMPUS:*

The college is a smoking free campus. It has banned use of all types of tobacco items in the college premises. There are many display-board warning the message "It is Smoking Free Campus".

✓ *E-WASTE MANAGEMENT:*

According to the World Health Organization (WHO), direct contact with toxic materials like lead, cadmium, or polychlorinated biphenyls (PCBs) that leach from e-waste may result in serious health hazards. Inhalation of the toxic fumes, as well as accumulation of chemicals in soil, water, and food are also responsible for environmental or human health hazards. The Environ club was asked to advise on the management of electronic waste i.e., discarded or rejected electronic or electrical device. Seminars are organised for the purpose to generate awareness about e waste. The E-waste materials are centrally collected from all of the departments, class rooms, and offices and kept all of these in the appropriate designated room and bins to be collected by Hulladek, for its proper management in accordance with the MOU agreement with them. Bins are set up in college campus to collect e-waste. This helps to create awareness on e-waste among students.

✓ *PAPER WASTE MANAGEMENT:*

The college collects waste papers from all the departments, classrooms, library, office etc. and finally sell the accumulated waste papers to the local vendors for its reuse and recycling. The office areas have a clearly marked container for recyclable paper products, placed near the regular waste container. The computer labs with printers and/or copiers and Examination Centre have a clearly marked container for recyclable paper products to be collected.

The various offices in the College and faculty members are encouraged to consider the use of -

- Shared resources such as networked copiers, scanners and printers.
- Minimize paper wastage. This can be accomplished through strategies such as: .
 - Minimize excess mailing and junk mailing by removing names from unwanted mailing lists for campus emails.
 - By encouraging official use of WhatsApp for short information and messages between staff members.
 - Implement double-sided copying and printing as a campus standard
 - Minimize printed matter in favor of Electronic/Digital Display Board. Bulletins/Notices are to be distributed electronically and posted in respective notice boards rather than being printed and broadly distributed.
 - Student notices and information to be disseminated through ERP Student Login.
 - Limit printing needs to actual requirements for distribution and eliminate significant printing overruns, and toner usage

✓ *HAZARDOUS LIQUID WASTE MANAGEMENT:*

College has built soak pits with isolated concrete and covered pocket to channelize chemical waste of Chemistry lab. through pipeline. It's ultimately treated with charcoal and lime to destroy its reactivity.

✓ *HAZARDOUS CHEMICALS AND RADIOACTIVE WASTE MANAGEMENT:*

The college does not use any radioactive materials. Live microbial wastes are killed by autoclaving before disposing as degradable waste

✓ *VERMICOMPOSTING:*

The college has a vermicomposting unit with appropriate infrastructure which uses the bio degradable wastes collected from the canteen.



