

# 14 | WASTE MANAGEMENT POLICY

## WASTE MANAGEMENT POLICY

Montfort College shall strive to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated by the college campus.

### **Waste Management Policy Statement.**

With its aim to provide holistic education that also has a positive impact on the environment, the college shall adopt practices that will mitigate the generation, and manage waste through suitable methods.

### **Scope**

**The scope of this policy extends to the following areas:**

- Solid Waste Management
- Liquid Waste Management
- E-Waste Management
- Awareness Initiatives
- Environment-centric Student Club Activities

### **Objectives of the Policy**

- ◆ The college shall seek to adhere to all applicable waste management laws laid down by the Central and State Governments viz., Karnataka Municipal Corporation Model Solid Waste Management by-laws, 2018 under the Municipal Corporation Act, 1976, Bruhat Bengaluru Mahanagara Palike (BBMP) notified Municipal Solid Waste (Prohibition of Littering and Regulation of Segregation, Collection, Processing & Disposal) Rules, 2012 and similar such various legislations.

- ◆ Conserving natural resources and minimizing the volume and possible environmental harm of waste generation and disposal.
- ◆ Making use of natural or renewable materials, wherever possible The specific objectives include:
- ◆ Systematically engage with the 3Rs of environment friendliness (Reduce, Reuse and Recycle).
- ◆ Reduce solid waste by developing a technology-centric teaching and administrative model.
- ◆ Provisions for the disposal of the institutional e-waste.
- ◆ Encouraging department and society level activities pertaining to waste management.
- ◆ Awareness and training given to students and staff members on all aspects of waste management relevant to their roles.

### **Implementation of the Policy Solid Waste Management**

The solid waste management program shall focus on disposal of the waste generated at the campus by way of segregating the waste into wet-waste, dry-waste, sanitary waste and e- waste.

- Paper waste produced on the campus is sold to scrap dealers for recycling.
- Usage of paper is reduced by implementing digitization of attendance and internal assessment records.
- Requirement of printed books by students is reduced by encouraging students to use e-resources of learning, and e-journals collection of the college library.
- Teachers ask students to submit assignments via electronic media.
- Pit composting is used for dry leaves.
- The left over and food waste from the hostel is used for the bio gas plant.
- Compost produced in the institution is used in the garden
- Clearly labelled and colour coded waste disposal bins are placed strategically in the college so that the waste segregation practice shall be followed by all who use the college facilities.
- Awareness Initiatives: In order to get the co-operation and increase the awareness of this policy for its effective implementation, awareness campaigns, seminars and workshops, are organized. This shall help students and staff to become more aware of waste disposal procedures, and the importance of maintaining an eco-friendly, healthy and hygienic environment.

### **Liquid Waste Management**

- The architectural plan of the college shall ensure a scientific and hassle-free sewage system. The liquid waste from the toilets and kitchen is directed towards the sewage canal of the Bangalore Water Supply Sewage Board.
- The college shall use the wastewater filtered from the reverse osmosis (RO) processing unit to water the plants in the garden and other areas of the college campus.
- Students shall be educated about the importance of water conservation, and there are placards displayed on the water-filter about the same.
- The lush green lawn in the quadrangle shall be maintained all through the year. Sprinkler system of watering the plants is used in all lawn areas to conserve water.
- The management shall ensure that maintenance is carried out and all water fixtures such as taps, pipes, tanks, toilet flush etc are leak proof.

### Electronic Waste Management

- The college shall carry out a needs-analysis before purchase of electronic gadgets to ensure that unnecessary purchases are not made.
- The institution shall procure electronic products of durable nature with high energy conservation ratings to reduce waste due to damage or early replacement.
- Awareness shall be created among stakeholders regarding the reduction of electronic waste through awareness campaigns.
- The college shall segregate the collection of electronic waste by placing a dedicated bin for all electronic waste.
- The institution shall sign a MoU with an external agency for disposal of electronic waste for recycling and safe disposal of the same.
- b) Solid Waste Management
  - The solid waste management program aims to safely dispose the waste generated at the campus by way of segregating the waste as organic waste, recyclable waste and inert waste and processing the waste. The objective is to minimize the waste generation and divert / avoid waste from being dumped at the dumping site.
  - Activities carried out on daily basis:
    - Accumulated dry waste are cleared
    - Dry leaves shredded and windrows formed.
    - Compost Harvest at Resource recovery area
    - Regularly feed the food waste to the bio gas plant at ladies hostel and left over food waste removed at boys hostel alternate days.
    - Kitchen garden formed at waste processing area
    - Deliver bio compost to garden use

### **Solid Waste Management:**

- The college shall segregate waste as required by the Government into wet-waste, dry-waste, sanitary waste and e-waste
- Clearly labelled and colour coded waste disposal bins are placed strategically in the college so that the waste segregation practice is followed by all who use the college facilities.

Awareness Initiatives: In order to get the co-operation and increase the awareness of this policy for its effective implementation, awareness campaigns, seminars and workshops, are organized. This will help students and staff to become more aware of waste disposal procedures, and the importance of maintaining an eco-friendly, healthy and hygienic environment.

### **Liquid Waste Management**

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1. The architectural plan of the college shall ensure a scientific and hassle-free sewage system. The liquid waste from the toilets and kitchen is directed towards the sewage canal of the Bangalore Water Supply Sewage Board.
2. Educating students about water conservation is essential hence there are placards displayed on the water-filter about the same.
3. There is a lush green lawn in the quadrangle which is well maintained all through the year. Sprinkler system of watering the plants is used in all these areas to conserve water.

### **Electronic Waste Management**

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