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1.0 PURPOSE:

The purpose of this policy is to implement Effective management of waste – either by disposal or recycling, as it impacts the health and environment of not only the people working and residing in the campus but also of those living in the vicinity. Providing a healthy and safe environment is therefore of utmost priority at Dr.Moopen's Medical College.

2.0 SCOPE:

The Scope of this policy lies throughout the organization.

The focus areas of this policy are:

- Solid Waste Management
- Liquid Waste Management
- Biomedical Waste Management
- E-Waste Management
- Water Recycling System/Sewage Treatment Plant

3.0 RESPONSIBILITY:

Responsibility for implementing this policy rests on every Faculty, Student and Staff of the organization

4.0 DEFINITIONS:

- **Degradable waste:** Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food and garden waste, and paper and cardboard.
- **Non degradable waste:** Non-biodegradable wastes are those which cannot be decomposed or degraded by natural agents. They remain on earth for thousands of years without any degradation or decomposition. Therefore, the threat caused by them is also more dangerous. An example is a plastic which is usually used in almost every area.

5.0 POLICY PROCEDURES:

5.1 Objectives of the policy

Dr.Moopen's Medical College strives to have a minimal impact on the environment and is dedicated



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to reduce and manage the waste generated by the college and Hospital campus.

- Waste management is intended to reduce the adverse effects of waste on human health, the environment, planetary resources, and aesthetics
- To minimize the production of waste
- To reduce pollution effects
- To ensure sustainability
- To promote public awareness
- For the effective implementation of 3Rs

5.2 Solid Waste Management

The college pays dedicated focus to see that minimal waste is generated in the campus. All Departments and classrooms are provided with dustbins for dry wastage disposal with different colour codes based on NABH Standards. With its aim to provide holistic education that also has a positive impact on the environment, the college will adopt practices that will mitigate the generation, and manage solid waste through the following methods:

- Systematically engage with the 3Rs of environment friendliness (Reduce, Reuse and Recycle).
- Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
- Reduce use of paper by supporting digitization of attendance and internal assessment records.
- Encourage the students and teachers to use modern teaching-learning methodologies for assignment/ Class Notes submissions.
- Take initiatives to spread awareness amongst students about
- Food wastage and ways of minimizing it.
- Minimizing the use of packaged food.
- The habit of Reusing and Recycling non-biodegradable products.
- Organizing workshops for students on solid waste management.
- Paperless administration and communication
- Use of incinerator for treating solid wastes

5.2.1 Paperless Office:



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Dr. Moopen's Medical College is striving towards a paperless office, a work environment in which the use of paper is eliminated or greatly reduced. This is done by converting documents and other papers into digital form, a process known as digitization [E-GOVERNANCE]. We believe that “going paperless” can save money, boost productivity, save space, make documentation and information sharing easier, keep personal information more secure, and help the environment. Wherever possible automation and digitization are introduced which helped in minimization of usage of paper? Digital storage of documents is one such measure. Institutional data to a great extent is stored digitally. Technology is used to a greater extent for communication among the staff and the students through intra net rather than paper communication. WhatsApp – class wise groups, Department wise groups, Committee wise groups facilitate E-communication and use of public address systems reduces usage of paper in notices and circulars.

In addition to going paperless in the classroom, the college has also introduced a “Learning Management System” wherein references , notes , syllabus question banks, study material are stored and shared on the e-platform , avoiding massive usage of paper. The teachers have also experimented with alternatives of paper -based testing with e- assignments and other skill -based tests like Quiz, MCQs, Presentations, Group discussions etc.,

5.3 Liquid Waste Management

Students are made aware that conserving water is equivalent to conserving their future. The following procedures are adopted for the effective implementation of Liquid Waste Management.

- In house – plumbers attend promptly to fix leakages and wastage of water.
- Maintain leak proof water fixtures.
- Minimize the use of water by constructing more Indian style toilets instead of western style toilets.
- Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, and toilet flush etc.
- Reuse of wastewater generated by the Reverse Osmosis (RO) system in gardening.



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5.4 Sewage Treatment Plant (STP)/Water recycling System

D.Moopen's Medical College has a Sewage Treatment Plant (STP) for the treatment of wastewater through a series of physical, biological, and chemical processes to remove pollutants and contaminants.

5.5 Biomedical Waste Management (Discussed in Hospital Quality Manual)



5.6 E-Waste Management

- With the proliferation of electronics also comes the challenge of their proper disposal. The College is grappling with ways to efficiently and cost-effectively handle the issue of electronic waste, or e-waste, on campus.
- The college adopts most scientific and eco-friendly e-waste disposal mechanisms such as: AMC and CMC is maintained to periodically review the effective functioning of all biomedical equipments, CPU's and Monitors and expert recommendations are followed to dispose the same in the market. All Electronic waste CPU's, Hard disks, Laboratory Equipment scrap is sent periodically to the market for sale. Obsolete workable computers, printers and other equipment discarded by departments are sold as scrap. The cartridges of printers are refilled outside the college campus. UPS Batteries are recharged and repaired by the suppliers.



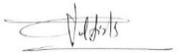
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5.7 Hazardous chemicals and radioactive management (Discussed in Hospital Quality Manual)

6.0 REFERENCES:

1. NAAC-Unified Manual For Health Sciences Colleges 09/02/2021
 - Matrix: 7.1.4
2. Manual for 5th Edition NABH Standards

APPROPRIATE APPROVAL:

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