7.1.3 ***Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste***

The MIT Academy of Engineering facilitates several techniques for managing degradable and non-degradable waste.

In addition, the institute creates awareness among the students and employees on the implementation of these techniques effectively. Through academic courses such as Environmental science and programs such as Universal value addition, students are motivated from time to time. It was stressed that we should avoid plastic items to the best possible capacity.

For solid waste management, different bins have been placed in other departments. This ensures that solid waste is segregated at the source. It is also confirmed that recycling all these components is done at minimum cost and labor. Suitable techniques are applied for disposing of solid waste.

MITAOE promotes the principle of 3R'S (Reduce, Reuse and Recycle). In our institute, we make full justice to this principle with the help of the Vermi Composting plant,

· Reduce- Prevention of waste generation. Most importantly, reducing the waste which might contain toxic constituents.

· Reuse- During the resource recovery maximum fraction of the waste that can be recovered in any way has to be segregated and brought into use.

· Recycle- The waste that can be processed in some manner to produce any desirable product which can be brought into use has to be segregated.

MITAOE has implemented a waste minimization strategy. By reducing waste generation at the source, MITAOE has successfully achieved the objectives of waste management and recycling objectives.

Bio-Degradable Kitchen Waste Management, Organic Solid Waste Management: The vermicomposting and biogas plants help generate useable, clean energy. Sustainability is the way of life at MITAOE. Presently, sewage management is carried out in association with the Alandi Municipal Council. By adopting innovative techniques, sewage treatment will get done within the campus premises by removing contaminants from wastewater and producing treated wastewater that will be safe enough to release into the environment and used for irrigation and washing.

For personal protection, it has been advised to use masks while handling the waste. Moreover, wearing head gears, eye covers, apron, gloves, and boots as they help in fighting the transmission of infection.

The institute has organized the Swatch Bharat Abhiyaan. Under this banner, the utility of recycling solid and other waste has been elaborated. People from different aspects of life delivered their talks about the proper usage of waste. Moreover, the NSS volunteers have also demonstrated the

appropriate procedure of disposing of waste in a selected village called Thakur wasti, Alandi, and around the town.

The water released from the RO plant outlet is ionized, and we are utilizing it for agriculture and gardening. Some amount is also used for cleaning the floor and classrooms.

Waste recycling involves the collection of waste materials and the segregation of waste materials. Moreover, the institute is also looking for possible substitutes to deduce the waste to the best possible extent. Hence, MITAOE is determined to provide all possible facilities to deal with degradable and non-degradable waste.

Responses:

Describe within 500 words concerning to following points

- **Solid waste management**
- **Liquid waste management**
- Biomedical waste management
- **E-waste management**
- Waste recycling system
- Hazardous chemicals and radioactive waste management