



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

Kalitheerthalkuppam, Puducherry - 605107.

Standard Operating Procedure for WASTE MANAGEMENT

Approved in the Governing body meeting held on **April 12, 2017**



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

Kalitheerthalkuppam, Puducherry - 605107.

Ref. No.: MIT/Notification/2016-17/02

Date: 17.04.2017

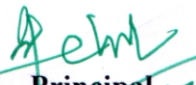
NOTIFICATION

In pursuance of the approval passed in the Governing Body meeting held on April 12, 2017, It is hereby notified that Manakula Vinayagar Institute of Technology has published Standard Operating Procedure (SOP) for Waste Management.

The SOP for Waste Management would serve as a detailed guideline to be observed and followed with immediate effect.

Dr.S.Malarkkan




Principal 17.4.17
MANAKULA VINAYAGAR
INSTITUTE OF TECHNOLOGY
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PREFACE

With increasing generation of waste due to routine activities of our Institute, an appropriate scientific system to ensure effective waste disposal / management has been implemented. Waste in general terms would be defined as unwanted and undesirable. The indiscriminate disposal of waste, both liquid and solid, adversely affects the environment by degrading it, which poses health risk to the human population exposed to it. So it is mandatory to reduce waste through appropriate corrective / remedial measures like creating awareness about proper waste management practices through lectures, advertisement on notice boards, displaying slogan boards, etc. The Standard Operating Procedures (SOP) for waste management would give appropriate guidelines to all our stakeholders and enables our Institute to excel in Waste Management.

STANDARD OPERATING PROCEDURE FOR WASTE MANAGEMENT IN MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY, PUDUCHERRY

The scope of the SOP would ensure Healthy Well being of all our Stakeholders through absolute maintenance a 'Swachh Campus'. It has been enforced as the Universal responsibility of all the functioning departments of our campus. All employees, visitors and others must comply with applicable procedures to maintain clean, hygienic, eco-friendly campus. The intent of the SOP is to provide guidelines for waste collection, management and disposal.

OBJECTIVES

The objectives of the SOP for Waste Management are:

- To provide guidelines for categorizing the waste materials
- To give an insight to identify any potential environmental impacts due to accumulation of waste
- To recommend appropriate waste handling and disposal measures

FACILITIES FOR PROVIDING WASTE MANAGEMENT

Solid Waste Management:

Solid waste management would be accomplished either by in house utilization/ consumption or by outsourcing its collection and disposal to an authorized agency. Over 100 bins have been kept across the campus for collection of the solid waste disposed from different sources (labs / departments / Housekeeping / other operational or process based activities) in the campus. These bins would be coded with specific colour to identify it under the category of solid waste, viz.

Green – Biodegradable, organic waste like cooked food, vegetables, fruit, leaves etc.

Blue – Recyclable waste like paper, cartons, cans, metallic items etc.

Red – Non-degradable waste like glass, blades, expired medicine, bandages etc.

Non – Biodegradable Solid Waste:

Collection and disposal of all non-biodegradable solid waste has been outsourced to authorized agencies. The college has tied up with the local (Waste disposal) contractors for the disposal of non-degradable solid waste at the dumping yard approved by Government.

Plastic waste would be segregated and recycled by sending it to industry.

E Waste management system has been out sourced from a private (Waste disposal) contractor.

They would collect and dispose waste as per environmental norms.

Liquid Waste Management:

Sewage Treatment Plant (STP): A sewage treatment plant of 1000 KLD has been actively operated for collection and treatment of sewage in campus. Wastewater received from domestic, commercial, and residential sources would be treated by removing toxic materials that may otherwise cause damage to the environment. The treated sewage would be used for irrigating gardens, vehicle washing, landscaping and other flushing purposes. The STP storage composed with other Bio degradable solid waste would be used as manure.

Procedure for Recyclable Waste Disposal: The College has adopted a minimum and essential use of paper and other recyclable materials, which helps in the conservation of resources. The waste paper and used recyclable wastes would be collected from labs / Departments and sent to appropriate Private recycling Units functioning in and around Puducherry.

FREQUENCY OF WASTE DISPOSAL

S.No	Type of Waste	Disposal schedule
1	Solid Waste	Daily basis
	Food Waste	Daily basis
	Paper, Cartoons,Cans	Monthly once
2	Liquid Waste	Daily basis
3	Water recycling system	Daily basis

In view of the above, Manakula Vinayagar Institute of Technology, Puducherry aims at:

- Improving cleanliness and maintain environment friendly campus
- Ensuring effective waste management through recycling and proper disposal system
- Creating awareness of waste collection methodologies and educating the students, staff and other stake holders on waste collection and disposal

Sd/-

Dr. S.Malarkkan

Principal



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