



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

Kalitheerthalkuppam, Puducherry - 605107.

Standard Operating Procedure for E-WASTE MANAGEMENT

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



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

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NOTIFICATION

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

The SOP for E-waste Management will serve as detailed guideline and will be useful to all the concerned. This will come into force with immediate effect.

Dr.S.Malarkkan



Dr. S. Malarkkan
Principal
17.4.17
PRINCIPAL
MANAKULA VINAYAGAR
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PREFACE

E-Waste Management has been evolved to manage used electrical / electronic parts that are obsolete, condemned, broken, scraped, etc. Those e-wastes would be dumped in houses due to the lack of awareness on how to discard or dispose them without contaminating the environment. Most electronic parts/equipments/devices contain many dangerous metallic contaminants such as lead, cadmium, beryllium etc., The hazardous metals affects the nervous system, causes skin, headaches, vertigo, nausea, etc., The E-waste contains traces of metals like gold, silver and Copper which can be recovered and used further. Improper handling of E-waste has a major impact on our ecosystem. E-waste management apart from alleviating the impacts also provides employment to many groups of people. Laws to manage e-waste have been in place in India since 2011, mandating that only authorised dismantlers and recyclers collect e-waste. So, Our Institute notifies the Standard Operating Procedures for e-waste management within our Institute Campus.

**STANDARD OPERATING PROCEDURE FOR E-WASTE MANAGEMENT
COMMITTEE OF MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY,
PUDUCHERRY**

Our Institute has defined SOP for E-waste management based on the statutes enacted by the government in order to have an effective control over it. Prior to the enactment of the E-Waste (Management and Handling) Rules, 2011; e-waste was covered under the Hazardous Waste Management (HWM) Rules. Under the Environmental Protection Act 1986, the E-waste (Management and Handling) Rules, 2011 were enacted and became effective from 1st May, 2012. These Rules were brought into force to enable recovery and/or reuse of useful material from e-waste, thereby reducing the hazardous wastes destined for disposal, to ensure the environmentally sound management of all types of e-waste and to address the safe and eco-friendly handling, transporting, storing, and recycling of e-waste.

The e-waste (Management) Rules, 2016, were notified by Ministry of Environment, Forest and Climate Change, Government of India in order to give a legal frame work for scientific management of e-waste. These rules is applicable to every manufacturer, producer, consumer, bulk consumer, dealer of electrical and electronic equipments/components and e-waste collection centres, dealers, e-retailer, refurbisher, dismantler and recycler. Puducherry Pollution Control Committee is the authority to implement the provisions of these Rules in the Union Territory of Puducherry. This e-waste Policy is prepared to highlight commitment of Government of Puducherry towards scientific management of e-waste in the U.T. of Puducherry.

The E-Waste Management Rules, 2016 have recently been amended by the Centre; vide notification G. S. R. 261 (E), dated 22nd March, 2018 to facilitate and effectively implement the environmentally sound management of e-waste in India.

In line with e-waste Policy of Government of India and UT of Puducherry and on Public

interest, the Eco Club of the institute aims to create awareness about E-Waste among the academic and non- academic community in this educational institution and the nearby community.

OBJECTIVES

The objectives of the SOP on E-waste Management of MVIT are:

- To create awareness of waste collection methodologies, provide training and disseminate information on waste collection and disposal.
- To ensure proper disposal of E-waste generated from damaged Computer parts, Electronic parts, plastics, cathode ray tubes (CRTs), printed circuit boards, cables, and so on.
- To maintain pollution and hazard free environment.

FACILITIES FOR E-WASTE MANAGEMENT

E-Waste Collection Centers

The Institution has identified the following E-Waste Collection centers in and around Puducherry.

- i) E- Waste Recycler in Puducherry - Virogreen India**
Address: No. 49, Opposite to AFT, Vazhudavoor Rd, Kurumbapet, Puducherry 605009. Phone: 099408 31313
- ii) Best Price Computer E-Waste Scrap**
Address: New Saram, Saram, Puducherry, 605013
- iii) Scrap Wallet**
Address: No:5, coubert street, Pakkamudayanpet, Lawspet, Puducherry, 605008. Phone: 094433 14636

E-WASTE COLLECTION PROCEDURES

- The worn out Computer parts would be dumped in the laboratory in a separate space with prior notice stipulating the condition (scrap) of the parts to Lab in-charge and HOD. With proper approval from the Head of the Institution the e-waste can be disposed through the vendors identified.

- The Debris/worn out electronic components from electronic laboratories would be stored in the laboratories separately and would be disposed when the e-waste collection box is full.
- The condemned or obsolete Electronic equipment's like Measuring equipment's, power supplies, CRT, CRO, etc. which are non-serviceable, would be dismantled and removed from the working space, with prior approval from HOD and Principal. It would be stored in the separate space allocated within the laboratories. The parts that could be reused from the failed equipment would be tested by service Engineers and could be used to repair other malfunctioning devices. The unused parts/debris is disposed through the e-waste collection agent.
- The Electrical department of the institute gathers the worn out bulbs and waste electrical items and disposes it regularly every six months through proper collection agents.
- Awareness about disposing of E-Waste would be given to Faculty and students and the e-waste generated by them like batteries, chargers, headphones etc. would be collected using E-waste baskets kept in our institute and disposed based on requirements.

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

1. Creating awareness of waste collection methodologies, providing training and disseminating information on waste collection and disposal
2. Ensuring the protection of the environment through effective e-waste management measures
3. Helping in conserving natural resources and the E-Waste can be refurbished, reused, and recycled instead of being land filled.
4. Protecting the health and wellbeing of the society

Helping the rural community by donating the used electronics to those who can use it.

Sd/-
Dr. S.Malarkkan
Principal



MIT-Manakula Vinayagar
Institute of Technology

