



CRITERION: VII INSTITUTIONAL VALUES AND BEST PRACTICES
 METRIC: 7.1.3. **MANAGEMENT OF DEGRADABLE AND
 NON-DEGRADABLE WASTE**

YEAR : 2022 - 2023



7.1.3 MANAGEMENT OF DEGRADABLE AND NON-DEGRADABLE WASTE

The college area is estimated to be around 40 acres of land. Inside the college premises, a well-established Botanical Garden is maintained, which consists of more than 3000 trees and shrubs. Apart from that the entire premises in the college houses variety of trees, crotons and ornamental plants. More than 3200 students are studying and 250 staff members are working here. In the day-to-day routine activities, the waste is generated from different sources such as the withered leaves and twigs, kitchen wastes from the Hostel, paper wastes, food and other edible wastes. This poses significant environmental issue in the institutional level. Hence an effective solid waste management has been practiced in the college.

Solid-waste management is well practiced in the institution level. The wastes of withered leaves are heaped-up at one place together with other degradable wastes. All the wastes are dumped in the garbage pit and are subjected to decomposition. The decomposed waste is used as organic manure. The non-degradable wastes are collected separately and disposed safely.

The degradable and non-degradable wastes originated from the laboratories are collected separately. The waste water, coming out of the laboratories, is channelized to fall into the nearest garden areas. The degradable wastes are dumped in the pits and other wastes such as chemicals and glasswares are removed in a safe and secure way.

The students of zoology department have been motivated and encouraged in cultivation of azolla and preparation of vermicompost. Food wastes and vegetable wastes have been used for preparing vermin-bed. The earthworms are procured from the vermiculture farm and it is allowed to acclimatize in the vermibed. The wastes are

decomposed by the activity of the earthworms which convert the wastes into rich nutrient content organic manure that really influenced our soil fertility.

Azolla is a bio fertilizer and extensively used as nitrogen fertilizer. Azolla cultivation is also practiced and it has been maintained by the students along with the vermiculture. The best practices of both vermiculture and Azolla are carried out for managing the wastes and this practice motivated the students to get an idea of developing innovative wastes management system and the relevant entrepreneurial skills.

Fire extinguishers are available in the Kamaraj Arangam, Chemistry Dept, In front of Office, Zoology Laboratory, Principal Room, Chemistry Lab, and Chemistry Dept, near to Canteen, Geography Dept, Chemistry Lab, Zoology Lab, Physics Lab and Central Library. In emergency condition, it has been used to put off small fire break outs in the college premises. It has been helped to avoid fire break outs and spreading while incinerating any dried waste heaps nearer to laboratories or classrooms.

PG AND RESEARCH DEPARTMENT OF COMPTUER SCIENCE

E-WASTE MANAGEMENT

Donation

Donating old or unwanted electronic devices is one of the best practices in the disposal of e-waste. E-waste cannot be completely recycled or destroyed, given the nature of the materials used in its manufacture, so the best way to dispose of e-waste would be to donate to worthy causes that may benefit. In our Department, the Old unused computers, printers, computer Accessories are donated to the hardware oriented classes for demonstration and practice the assembling of the computer purpose. This may be useful for the better understanding of the students.

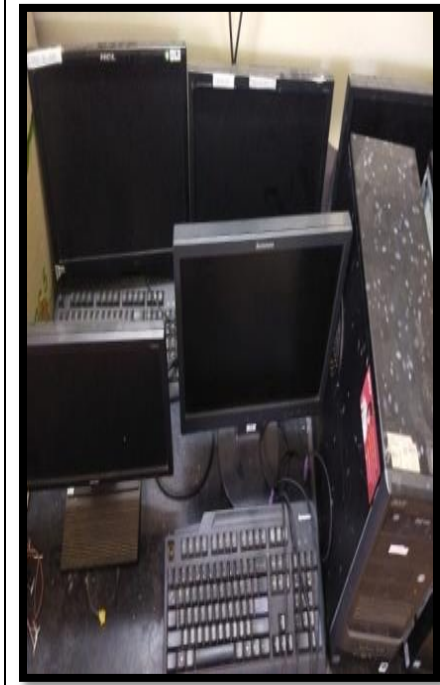
Certified Recycler & scrap

Perhaps the next best practice used in the disposal of e-waste is finding a certified and trustworthy recycler. Recycling companies are your best bet in ensuring that all your electronic waste is properly and safely recycled. As a government College, we follow the guidelines on E-Waste management, as provided by the Directorate of Collegiate Education.

Extending the Life of Electronics

To maintain current electronics devices, we make sure that they are well maintained and we follow the manufacturer's usage instructions to extend their life.

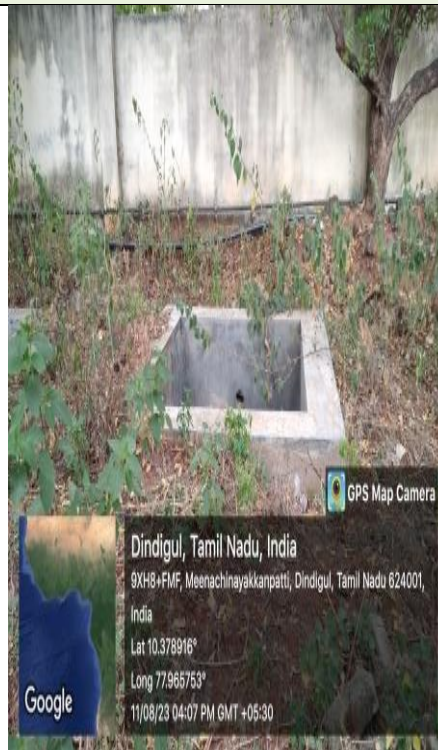
Old and Condemned systems donated to Hardware Laboratory



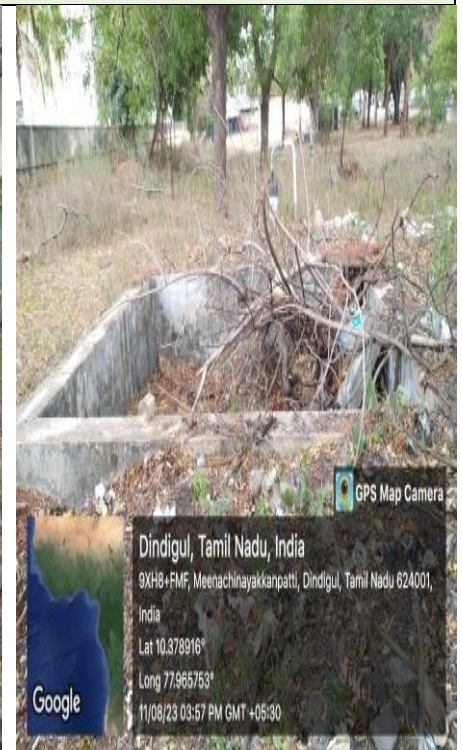
Garbage Dumping Pit for Solid Waste Management



Garbage Pit - 1

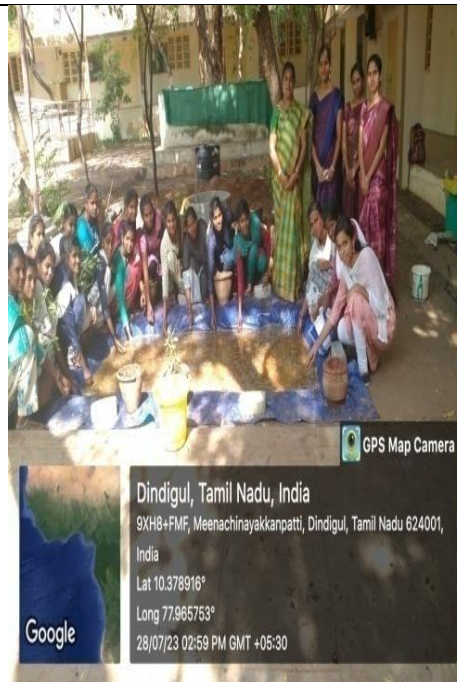


Garbage Pit - 2



Garbage Pit - 3

AZOLLA CULTIVATION



**Staff and Students are
involved in preparing
Azolla- bed**

VERMIBED- PREPARATION



Staff and Students are involved in preparing Vermibed