



## 7.1 Institutional Values and Social Responsibilities

### 7.1.3 Waste Management

#### SOLID WASTE MANAGEMENT

The college has kept more bins across campus for the collection of solid waste degradable, non-degradable and bio-degradable separately, in tune with Swachh Bharat initiatives by Government of India. The campus is covered with a variety of plant species. The litters from these trees are used for compost process. The manure produced from the compost yard are used for the gardening purpose.



### **LIQUID WASTE MANAGEMENT:**

The waste water filtered out by the RO processing unit is utilized for maintenance of gardens in different parts of the campus. The water used for bathing and washing have been collected and recycled to be used for gardening. This makes the campus green in a very conservative manner.

The waste water collected and treated by using Sewage treatment plant



### **WASTE RECYCLING SYSTEM:**

Biodegradable waste like cooked food, vegetables, fruit, leaves debris are collected and undergone the practice of landfill and composting, etc. The staff and the students are motivated to receive food according to their requirements, causing almost zero food wastage. Non degradable waste like plastics were collected and disposed separately in vending dustbins which vend money for a specific weight of plastic deposited in the machine. Through various awareness we highlighted about the various health hazards posed by the use of single use plastics and the importance to look for other alternatives which can help in making the use of plastics viable and safe for the environment.



**Monitoring of Food Wastage every day**

**Collection of Food wasted**

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#### **PLASTIC RECYCLING:**

The students of Civil Engineering department created an innovative idea of building bricks out of plastic that had good strength and also possessed heat insulation properties that would not allow heat to penetrate through them, for which the recycled plastic was used as a part of the composition of the brick. This concept was recognized and awarded at the casting competition at CIT, Chennai.



**Design and Development of Plastic Bricks for construction- Casting Process-**

## HAZARDOUS CHEMICALS AND RADIOACTIVE WASTE MANAGEMENT

A fume hood is a type of local ventilation device that is designed to limit exposure to hazardous or toxic fumes, vapors or dusts. It helps to protect from containing vapors, dusts, gases, and fumes generated within the hood, and removing them as air flows into the hood and then out via the laboratory exhaust system. The instructions of handling chemicals and safety rules to be follow are display in the laboratory.

