

# KURIAKOSE GREGORIOS COLLEGE PAMPADY



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7.1.2 ENERGY CONSERVATION, WASTE MANAGEMENT,  
WATER CONSERVATION, GREEN CAMPUS, DISABLED  
FRIENDLY CAMPUS

## MANAGEMENT OF VARIOUS TYPES OF DEGRADABLE AND NON-DEGRADABLE WASTES

### WASTE MANAGEMENT INSIDE THE CAMPUS

The waste management activities of the College are carried out by the Swachhata Committee. Under the supervision of this committee, the following activities are being carried out in an organised and timely manner.

#### Solid waste management

Solid waste in the college is classified into three categories, namely

1. Organic wastes
2. Inorganic wastes and
3. Recyclable wastes

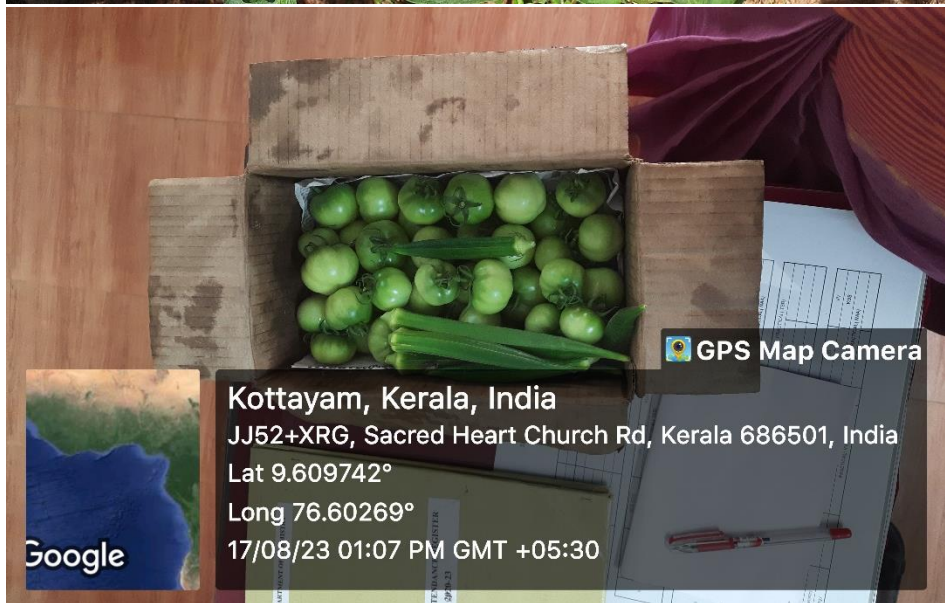
**1. Organic waste:** food waste, dry leaves collected from campus

Waste management: Stainless steel wire mesh with green garden net is made in a cylindrical shape and erected on the ground, to be used as an organic waste bin with one of its open bases on the direct ground. It is a cost-effective method which is also used as a vegetable tower along with its primary use. Its base is filled with dry leaves collected from campus and dried cow dung along with bone meal fertilizer. These act as rich manure for vegetation along with daily input of food waste and dry leaves.

Saplings of vegetable plants are planted on the sides of the tower in equal distances. Saplings can be planted in a space that would otherwise hold a vegetable grow bag. With proper management of organic waste, vegetable cultivation is also happening side by side in a vertical farming manner. The produce from these vegetable towers is auctioned in the College itself. The income thus obtained is used for waste enhancing management practices.











Dry leaves collected from campus and other organic wastes generated in the campus are also fed into a vermicomposting unit installed in the campus, which is maintained by the Postgraduate Department of Zoology.



**Biogas plant:** The food waste generated in St. Eulithe women's Hostel is fed into the biogas plant installed at the hostel. The gas generated from the unit is utilized for cooking in the hostel.







**Incinerator** for burning dry leaves collected from college





GPS Map Camera



Pampady, Kerala, India  
HJ4R+WRQ, K G College Rd, Pampady, Kerala 686502, India  
Lat 9.582586°  
Long 76.576675°  
15/02/24 05:42 PM GMT +05:30

Google







## 2. Inorganic waste: Plastic and Metal wastes

Waste management: Plastic and metal wastes generated inside the campus are regularly collected through the Plastic drives and 'Sramdans' initiated by NSS and NCC units of the College. There are bins designated exclusively for depositing dried, cleaned, plastic wastes are placed at every corridor and common areas. Students are directed to deposit plastic wastes in these bins alone. Once collected, wastes are segregated into plastic and metallic wastes and kept apart.







Plastic wastes are handed over to Haritha karma sena of the Pampady Panchayath. Haritha Karma sena is a professional team consisting of Green Technicians and Green Supervisors mainly Kudumbashree Women who will be assigned with the responsibility of collection, transportation, processing, recycling / disposal, and management of waste materials in association with respective LSGs and Suchithwa Missio, Government of Kerala. Haritha Karma Sena members visit College every month to collect the plastic waste as the College has a letter of understanding from the Panchayath regarding this arrangement.

Metallic waste is handed over to the local Scrap Unit Dealer (Sudhi's Scrap Unit, Pampady), as the College has MoU with the dealer.

### 3. **Recyclable Waste: Paper.**

Waste Management: Waste bins for depositing paper wastes are installed in all office rooms, classrooms and common areas. The waste from these is removed on weekends and collected in large tanks. It is handed over to Sudhees Scrap Unit every year.

### **Liquid Waste Management**

There are 2 types of liquid wastes generated in the College.

1. Drainage water (discharge from wash basins) is directed to farm fields on campus.
2. Drainage water (from labs) is diluted with fresh water and piped deep underground.

### **E-waste Management**

The E-waste from the College is collected and handed over to Microage Networks & Solutions Company, Kochi. The College has issued an authorization letter to the company to take over e-waste from the college to for proper eco-friendly disposal and management.









## MICRO AGE NETWORKS AND SOLUTIONS (136712)

### VANGHEE TRANSACTION RECEIPT

NAME	PRINCIPAL K G COLLEGE
ISSUED DATE	08-09-2023
PAID DATE	08-09-2023
DEBIT ACCOUNT	743305000041 - ICICI BANK
CREDIT ACCOUNT	0212053000002163 - SIBL0000212
REF ID	61938584 - IMPS
UTR NO	325111237114
PAYMENT AMOUNT	9240.00
REMARKS	BILL AMOUNT
PAYMENT STATUS	Success
TRANSACTION STATUS	COMPLETED

No radioactive waste or medical waste is generated here.

**Conclusion:**

Through these activities we are able to make our campus clean and healthy





### REPORT OF VEGETABLE AUCTION

The vegetables that are produced through organic farming (valakoodu) were put into auction on 17/08/2023 during lunch break. Five packets of tomatoes (each pack containing 10 tomatoes each) and one packet of ladies finger (each pack containing 6 ladies fingers) were presented for auction. For tomatoes five rounds of auction with a very enthusiastic participation of students took place. Vegetable packets were bought in the following manner:

Sl.No.	Item	Buyer	Amount(in Rs)
1	Tomato packet 1	Sivin Santhosh (D3 Economics)	120
2	Tomato packet 1	Chris (D3 Commerce)	60
3	Tomato packet 1	Blesson (D1 BBA)	25
4	Tomato packet 1	Aparna (D3 Commerce)	45
5	Tomato packet 1	Shaheen (D3 BBA)	40
6	Lady's finger packet	Chris (D3 Commerce)	50
		Total	340

The amount received along with the previous amounts received through organic farming (**Rs.1340**) was entered into the college account under the title **Amount Received through Organic Farming**.



**Prof.(Dr.) Renny P. Varghese**  
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