

D.K.GOV.T.COLLEGE FOR WOMEN (A), NELLORE



**BEST PRACTICES**

**DEPARTMENT OF MICROBIOLOGY**

**2021-22**



## COMPOST UNIT

### OBJECTIVES:

- A mixture of dead plants, old food, etc. that is added to soil to help plants grow.
- To know about Eco-friendly organic fertilizer
- To know about recycling and decomposition of waste materials
- To grow organic crops at our land in free of cost.
- To create awareness among students about the uses and the preparation of compost.

### CONTEXT

The composting practice is conducting in college campus by the department of Microbiology. It is going on successfully at regular under the management of staff and students. The time lines were given to the students to follow strictly. The kitchen waste collected by the students is dumped into the composting pits that allowed for decomposition.

### PRACTICE:

The vegetable wastage is also collecting from the hostel kitchen by employing the workers. The composting pots are regularly added with collected waste.

. 1. Separate your edible Kitchen waste (vegetable peels, fruit peels, small amounts of wasted cooked food) in a cSeparate your edible kitchen waste (vegetable peels, fruit peels, small amounts of wasted cooked food) in a container

2. Collect dry organic matter (dried leaves, sawdust) in a small container

☐ 3. Take a large earthen pot or a bucket and drill 4 – 5 holes around the container  
To let air inside.

☐ 4. Line the bottom with a layer of soil.

□ 5. Now start adding food waste in layers alternating wet waste (food scraps, vegetable and fruit peels) with dry waste (straw, sawdust, dried leaves).

❖ □ 6. Cover this container with a plastic sheet or a plank of wood to help retain moisture and heat.

### OUT COMES

- The students were given awareness on composting.
- The students were given good knowledge about fertilizing
- They got awareness about the enhancement of crop productivity by organic fertilizers
- They came to know about hazardous nature of chemical fertilizers

### RESOURCES REQUIRED:

- Kitchen waste
- Earthen pot or a plastic bucket
- Plastic covering lid or a cardboard sheet.
- Little bit of water.





Students participating in composting:





















## **Conclusion:**

**In our garden,we succeeded in making compost, following the procedure.**

**It took one month to prepare compost with wet waste by us. prepared compost was use for our garden plants**