



GOVERNMENT DEGREE COLLEGE
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DEPARTMENT OF ZOOLOGY

BEST PRACTICE

TURNING CAMPUS WASTE IN
WEALTH BY VERMI COMPOSITING

1. Title of the practice: TURNING CAMPUS WASTE IN TO WEALTH BY VERMICOMPOSITING.

2. Objective of the Practice:

- To convert organic waste to Vermicompost.
- To involve students in Vermi-composting.
- To use vermi compost college plantation.
- To motivate students towards waste management methods.

3. The Context:

S.A.S. Government college campus is spread over 5.11 Acs. with large area under rich canopy of trees. It is covered with more than 20 trees. From about 5 varieties of plants daily 1 to 2 kgs of (approx.) of dry leaves fall as waste materials. Students collect the dry leaves store in a particular place to prepare to Vermicompost to turns waste to useful produce.

4. The practice:

- Phase –I:** Processing involving collection of wastes, mechanical separation of plastic waste, metal, glass and other ceramics stored the collected waste at specific place .
- Phase – II:** That dry leaves waste mixed with cattle dung.
- Phase – III:** Preparation of Vermi composting pit with concrete material one meter deep and 1.5 meters wide. Preparation of Vermi-composting bed preparation with dryleaves and cattle dung.
- Phase –IV:** Collection of earthworm after vermi compost collection. Release the earthworms regular monitoring and adding fresh source.

5. Evidence of Success:

- After using vermi compost to garden plants showed luxuriant their growth, vermi compost having enriched macronutrients and micro nutrients. So, plants nutrition increases of porosity and microbial activity in soil which improved water retention and aeration.
- Regularly using vermin compost to plants is place of chemical fertilizers. The cost of the garden /plantation maintenance is cost effective.
- Plants showing luxuriant growth and high yield.
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6. Problems encountered & resources required:

- Collection of the waste material / dry leaves from the garden.
- Some worms keep escaping for the prepared vermi bed.
- The vermin worm & vermin bed having very bad odour in the campus.
- Regular monitoring.
- Rainy season related issues.





