

## **BEST PRACTICE-II-DEPARTMENT OF BOTANY**

- I. **Title of the practice**:- A study on the solid waste management utilization.
- II. **Objectives of the practice**:- The practice has been implemented following objectives.
  - a. To make the students aware of the proper disposal of the waste.
  - b. The waste dumped is useful as bio-fertilizers.
  - c. The collected waste may be recycled.
  - d. The waste is processed to yield economic products like bio-manure.
  - e. The proper disposal of the waste keeps away stinking problems.
- III. **The context**:- Students of BSC group along with the staff member of Dept. of botany did a field survey at resource park, Mandapally, away from Siddipet and collected all the data from dump yard. It was found that the collected waste is segregated into dry and wet.
  - Dry items are sold out.
  - Wet waste is kept in heaps.

These heaps in turn are processed for 3 different purposes of making of:

- a. Vermin compost
- b. Decomposing
- c. Bio-gas

It is a 5-step process:

Step I- Curing of heaps.

Step II- formation of black color compost.

Step III- Cutting of compost in small pieces.

Step IV- Mixing of earthworms.

Step V- Compost ready to be sold out(Rs 5/kg).