

The Department of Mechanical Engineering at NIE Institute of Technology, Mysuru has fabricated Aerobic Composters for NIE CREST (Centre for Renewable Energy and Sustainable Technologies).

Composting is a technology to transform organic waste to manure by means of bacterial degradation. It is simply the breaking down of complex organic waste into simpler compost which is a nutrient rich conditioner for soil. It can be done by the following ways:

1. Aerobic Composting - involves aerobic micro-organisms for degradation of wet waste and the process requires air (oxygen).
2. Anaerobic Composting - involves aerobic micro-organisms for degradation of wet waste in the absence of air.
3. Vermi - Composting - Certain species of earthworms are used to enhance the composting process and produce superior, bio-available compost.

Two cylindrical aerobic composters and one leaf-shaped aerobic composter have been fabricated and will be installed at Karnataka Police Academy campus Mysuru by NIE CREST.

