



KLE Society's
S. NIJALINGAPPA COLLEGE

II-Block, Rajajinagar, Bengaluru-10
Re-accredited by NAAC at A⁺ grade with 3.53 CGPA
College with UGC-STRIDE Component – I

Phone: 080-23526055, 080-23325020, Fax 080-23320902

Website: www.klesnc.org

E-mail: info@klesnc.org

kleaccts@yahoo.com



DEPARTMENT OF ZOOLOGY

Best practice 2022-23

Title of the Practice: Green Technology by Vermiculture and Vermicomposting

Objectives:

Awareness among students & society about benefit of Organic Farming.
Propagation of Vermicompost among farmers for better yield of Crop.
To develop training, skill & team work spirit among students & society.
Aware the students to make their own unit.

The Context:

Vermicompost contains water-soluble nutrients and it is an excellent, nutrient-rich organic fertilizer and soil conditioner. It is used in farming and small scale sustainable, organic farming. Hence, it was thought to develop a vermi composting unit so as to dispose of the organic waste generated in the college in a useful way.

Practice:

Our college has established vermicomposting unit in college campus work done by certificate course students. We have introduced the species of earthworm- *Esinia fetida* and other species. The daily organic waste is generated due to fallen leaves from the green cover of the campus. To make use of this waste, the college practices vermicomposting. This not only solves the problem of organic debris, but also generates rich compost which the college uses for its own garden. The vermicompost beds and pits were maintained properly by watering and other management.

Evidences of Success: only few students of Our college started Vermicomposting unit in their respective small area. Now we are doing every year. This practice has helped to train students to recycle organic waste in a productive way. The investment required is very less and the students can perform vermicomposting on their agricultural lands as well. Also, this practice has solved a problem of disposal of organic waste and we are harvesting on an average 400 tons of good quality vermicompost for our own garden and also selling it to staff, students and public

Problems encountered and Resources required: The only resources required are the earthworms. The biggest challenge is to protect the earthworms and maintain the moisture in summer when the temperature is high.

Benefit

Vermicomposting is a highly profitable venture for farmers having dairy units.

We yielded more quantity of Vermiwash and vermicompost compared to last year. We got about 30 litres of Vermiwash and 315 tonnes of vermicompost.



Inauguration of vermicompost pit



Vermicompost sources by Principal

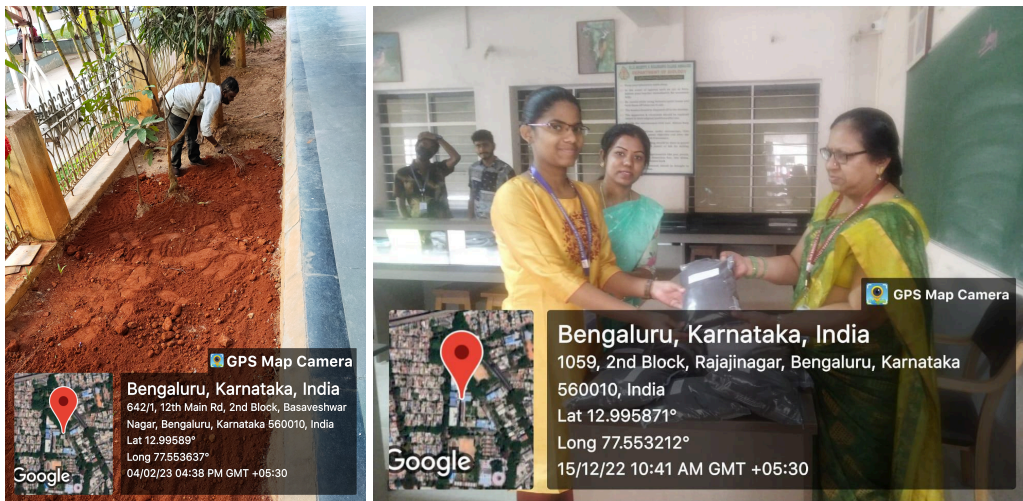


Vermiculture unit in process

Sieving process



Sieving process and packing of Vermiwash and vermicompost Vermiwash and Vermicompost for sale and using it for our college ground.



Using vermicompost for our college garden and students are purchasing.



Selling Vermicompost to the students and public