



MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Affiliated to Periyar University, Salem

**Accredited by NAAC with 'A' Grade & Recognized u/s 2(f) and 12(B) of the UGC Act 1956
Kalippatti – 637501, Namakkal District, Tamil Nadu**

7.1.3. Environmental Consciousness and Sustainability

Solid Waste Management



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SOLID WASTE MANAGEMENT

Each and every department of Mahendra arts & Science College as well as administrative offices creates some waste and dumped in small waste been located in the department. Each building several dust bins are placed from where housekeeping staffs take the wastes. From the small bin wastes are dumped in big bin by the housekeeping staffs regularly. From the big waste bins the car from Municipal Corporation will take the solid wastes.

Bio -degradable wastes are effectively converted to fertilizer by composting technology inside the college campus. A vermi composting unit required some biodegradable waste to convert these as fertilizer.

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Kalippatti (Po) - 637 501, Tiruchengode (Tk), Namakkal (Dt), Tamilnadu.

DEPARTMENT OF BIOTECHNOLOGY
VERMICOMPOST PRODUCTION

Protocol for Vermicompost Production
Organic Waste (Cow Dung, Plant Peat Material)
↓
Mixing of Organic Wastes in Vermicompost Pits
↓
Inoculation of Earthworms
↓
Harvesting of Vermicompost
↓
Drying and Sieving
↓
Packaging

Applications of Vermicompost

- Rich of Major and Minor Minerals for Plant Growth
- Improves Soil Structure, Aeration and Water Holding Capacity
- Rich in Nitrogen, Phosphorus, Potassium, Calcium Encouraging Micro Floras
- Vermicompost is Rich Iron, potassium, Zinc, aluminum, Wood acid etc.
- Vermicompost Minimizes the incidence of Pests and Diseases
- Enhances the Decomposition of Organic matter in soil
- It contains valuable vitamins, Enzymes and Hormones like auxin, gibberellins etc.

Namakkal, Tamil Nadu, India
MAHENDRA ARTS AND SCIENCE COLLEGE
KALIPPATTI(PO, Tamil Nadu 637503, India
Lat 11.510739°
Long 78.034292°
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VERMICOMPOST PRODUCTION UNIT IN COLLEGE CAMPS

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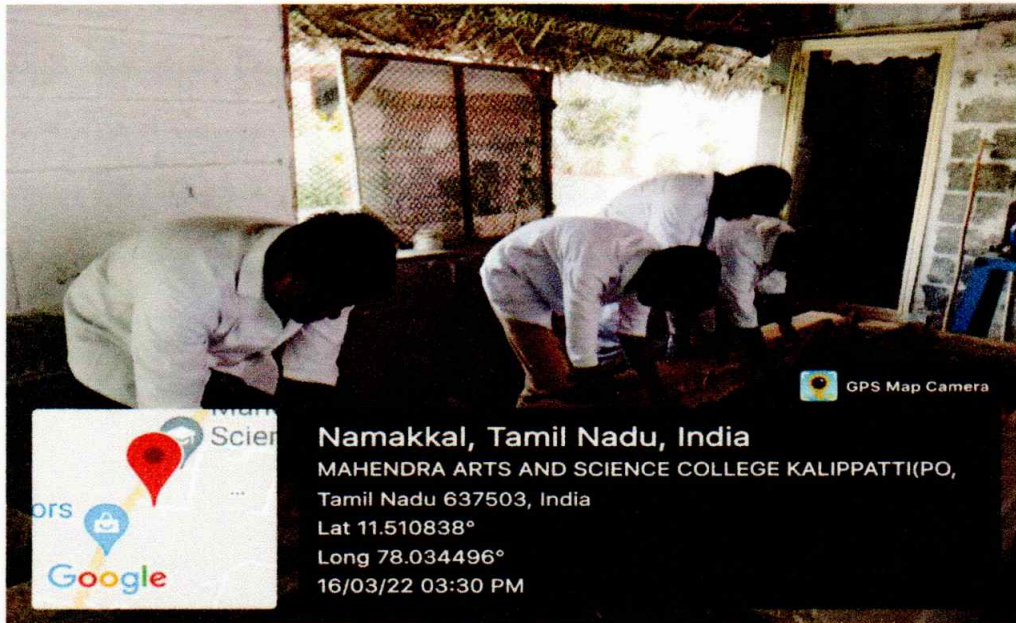


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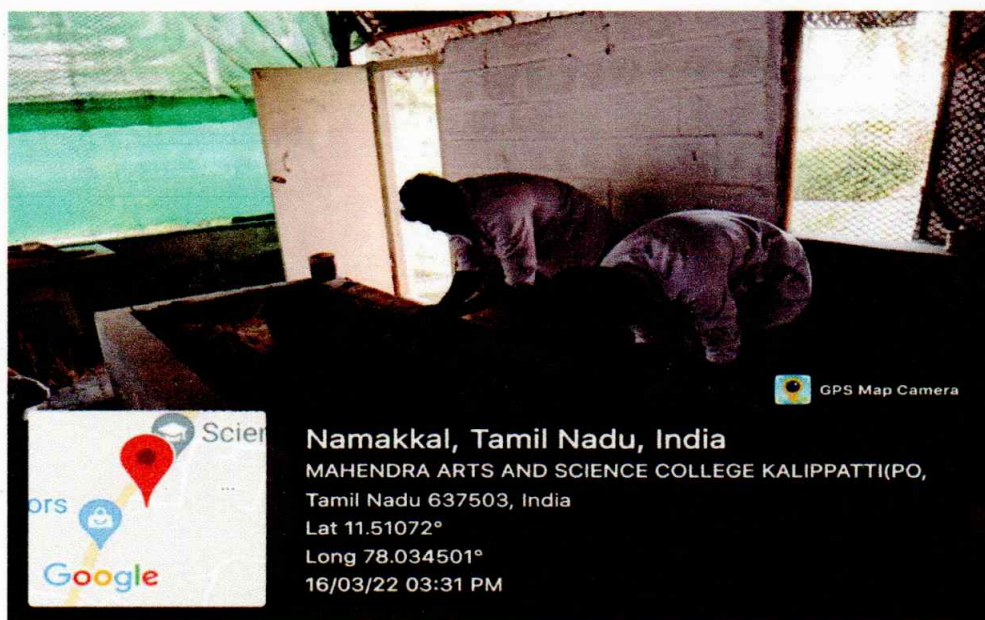
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VERMICOMPOST PRODUCTION UNIT IN COLLEGE CAMPS

After segregation of biodegradable waste from canteens, hostel and guest houses are collected and dumped in the composting unit in the college campus. This fertilizer is used for the garden in the college campus and distributed to the nearby farmers.



BIO-DEGRADABLE WASTE DUMPED IN COMPOSTING UNIT


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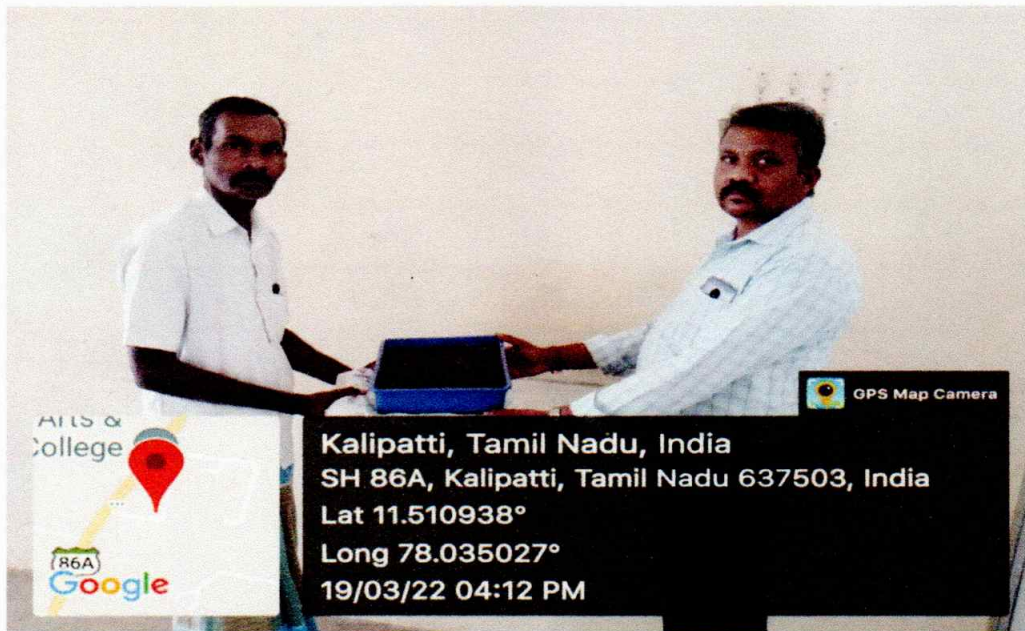
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FERTILIZER IS USED FOR PLANTS IN COLLEGE GARDEN



FERTILIZER DISTRIBUTED TO THE NEARBY FARMERS


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Our college discourages the use of plastic; particularly single use plastics in campus. College produces lot of paper waste, Paper wastes from Administrative office, Library, COE section and various departments disposed through vendors. The wastes are properly stacked in designated place and later disposed through vendors for proper waste management. Our college promotes digital platform to reduce the usage of paper for communication and sharing documents.

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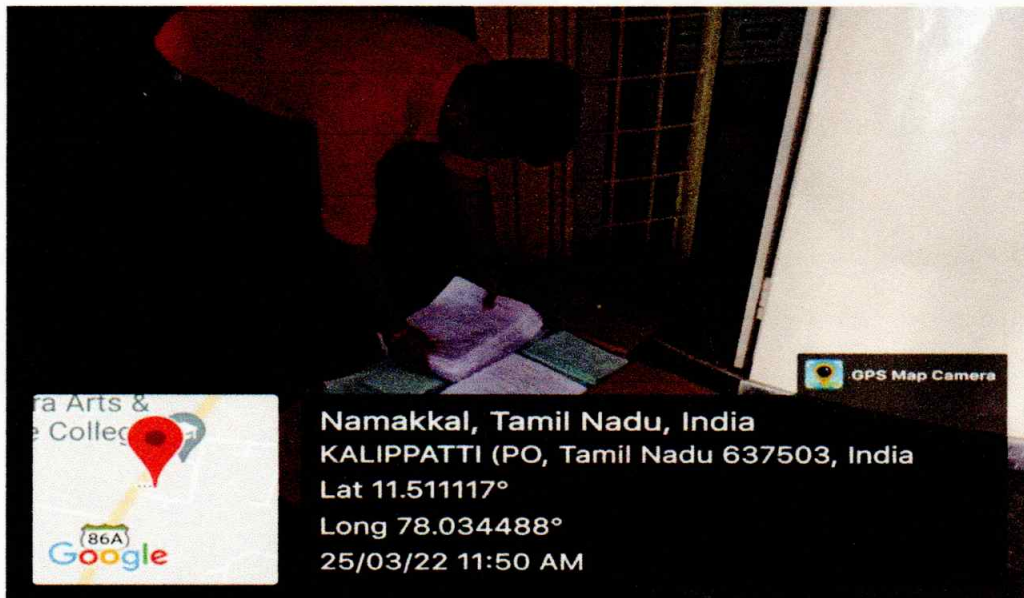
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PAPER WASTE ROOM - PAPERS ARE STACKED AND DISPOSED THROUGH VENDORS



PAPER WASTE ROOM - PAPERS ARE STACKED BY THE HOUSEKEEPING STAFF

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