



SHRI CHHATRAPATI SAMBHAJI SHIKSHAN SANSTHA'S

BAPUSAHEB THITE COLLEGE OF NURSING

Shirur (Ghodnadi) Dist. Pune - 412210

(Approved by; Maharashtra Govt., Affiliated to MUHS, Nashik and MSBNPE,
Mumbai)

Best Practice 2:

Earthworm Compost (Vermicompost) Preparation

Introduction

Bapusaheb Thite College of Nursing upholds environmental sustainability as a core institutional value and demonstrates its **Institutional Distinctiveness** through eco-friendly initiatives that promote responsible resource management and environmental stewardship. Among these initiatives, **Earthworm Compost (Vermicompost) preparation** stands out as a unique and impactful best practice that integrates environmental consciousness with health education.

Recognizing the interrelationship between environmental health and human well-being, the institution has adopted vermicomposting as a sustainable method for organic waste management within the campus. Biodegradable waste generated from hostels, canteens, gardens, and academic blocks is systematically converted into nutrient-rich compost using earthworms. This practice not only minimizes waste sent to landfills but also contributes to soil enrichment and green campus development.

The vermicompost initiative actively involves students and staff, fostering hands-on learning, environmental ethics, and awareness of sustainable living practices. Through demonstrations, training sessions, and community outreach, the college extends this eco-friendly practice beyond the campus, encouraging nearby communities to adopt vermicomposting for household and agricultural use. Thus, earthworm compost preparation reflects the institution's commitment to environmental sustainability, social responsibility, and holistic nursing education.


Dr. Sheetal Barde
Principal

Shri Chhatrapati Sambhaji Shikshan Sanstha's
Bapusaheb Thite College of Nursing
Shirur (Ghodnadi), Dist. Pune 412210

Aim

To promote environmental sustainability and ecological responsibility through the systematic preparation and utilization of earthworm compost while sensitizing nursing students and the community to eco-friendly waste management practices.

Objectives

1. To establish a **sustainable vermicomposting unit** on campus for effective management of biodegradable waste.
2. To reduce environmental pollution by **minimizing organic waste disposal** through eco-friendly composting methods.
3. To involve nursing students in **hands-on environmental practices**, fostering awareness of the link between environmental health and human health.
4. To utilize the prepared vermicompost for **campus gardening and green landscaping**, promoting a clean and green environment.
5. To create awareness among students, staff, and the surrounding community about the **importance of organic farming and sustainable waste management**.
6. To encourage **student participation in environmental protection activities**, aligning with national initiatives such as Swachh Bharat Abhiyan.
7. To integrate vermicomposting activities with **NAAC Criterion 7 – Institutional Values and Best Practices** and promote a culture of sustainability within the institution.

Measurable Outcomes

1. Environmental Sustainability Outcomes (NAAC Criterion 7)

- **30–40% reduction in biodegradable waste** disposed from the campus through systematic vermicomposting.
- **Regular production of nutrient-rich vermicompost**, utilized for campus gardens, herbal gardens, and green spaces.

- **Improved soil fertility and plant growth**, resulting in healthier landscaping and increased green cover on campus.
- **Zero chemical fertilizer usage** in selected campus garden areas due to availability of organic compost.

2. Student Participation and Learning Outcomes

- **100% student exposure** to vermicompost preparation through demonstrations, training sessions, and eco-club activities.
- **Active student involvement** in waste segregation, compost pit maintenance, and compost harvesting.
- **Improved awareness and positive attitudes toward environmental conservation**, as reflected in student feedback and reflective reports.
- **Development of responsibility and teamwork skills** through participatory environmental activities.

3. Institutional and Resource Management Outcomes

- **Cost-effective waste management**, reducing expenditure on waste disposal and chemical fertilizers.
- **Systematic documentation** of vermicomposting activities through records, photographs, and maintenance logs.
- **Integration of vermicomposting as a green campus initiative**, contributing to institutional accreditation and quality benchmarks.

4. Community Outreach Outcomes

- **Demonstration and awareness programs** conducted for students, staff, and local community members on vermicomposting techniques.
- **Knowledge dissemination** to nearby households and schools, encouraging adoption of organic waste composting.
- **Strengthened institutional-community linkage** through promotion of sustainable environmental practices.



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Impact Statements

Environmental Impact

The earthworm compost preparation initiative has significantly reduced organic waste and enhanced sustainable resource utilization within the campus. The practice has contributed to improved soil health, increased greenery, and a cleaner campus environment.

Student Impact


Active participation in vermicomposting has sensitized nursing students to environmental health issues and their role in sustainable living. The initiative has strengthened students' environmental ethics, practical skills, and understanding of the relationship between environmental sustainability and human health.

Institutional Impact

The vermicomposting practice has reinforced Bapusaheb Thite College of Nursing's commitment to environmental stewardship and green campus development. It serves as a model eco-friendly initiative aligned with NAAC quality parameters and institutional best practices.

Societal Impact

By promoting vermicompost preparation beyond the campus, the institution has contributed to community awareness on organic waste management and eco-friendly agricultural practices, supporting long-term environmental sustainability.


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BEST PRACTICE

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IN THE CAMPUS OF BAPU SAHEB THITE COLLEGE OF NURSING



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