



Nirmala Memorial Foundation College of Commerce and Science

(Permanently Affiliated to University of Mumbai)

(Re-Accredited by NAAC with B⁺⁺ CGPA : 2.80)

(ISO 9001:2015 Certified)

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BEST PRACTICE I

Title of the Practice: Promoting Sustainable Agricultural Practices through Composting and Community Engagement

Objective :

- To promote sustainable and eco-friendly agricultural practices among local farmers.
- To reduce biodegradable waste through effective segregation and composting.
- To provide organic fertilizer as a cost-effective alternative to chemical inputs.
- To strengthen community engagement and support rural livelihoods.

The Context :

In line with the institutional mission of environmental sustainability and social responsibility, the college identified the need to address two critical concerns—waste management and sustainable agriculture.

Excessive use of chemical fertilizers has adversely affected soil health, while improper disposal of biodegradable waste contributes to environmental degradation. To tackle these challenges, the institution collaborated with the Indian Pollution Control Department to initiate a sustainable composting practice that integrates waste management with agricultural development.

The Practice :

The institution undertook a structured initiative to promote sustainable agriculture through the following practices:

- **Installation of Compost Bins:**
Four waste compost bins were donated by the Indian Pollution Control Department with the objective of segregating biodegradable waste and converting it into useful compost.
- **Waste Segregation and Composting:**
Organic waste collected from the college canteen is systematically segregated and processed in compost bins to produce high-quality organic fertilizer.
- **Promotion of Organic Farming:**
The compost generated is utilized as a natural alternative to chemical fertilizers, promoting eco-friendly farming practices.
- **Community Distribution:**
The compost is distributed to local farmers, enabling them to enrich soil fertility and adopt sustainable agricultural methods.
- **Collaborative Engagement:**
The initiative fosters collaboration between the institution, government bodies, and the farming community for long-term environmental and economic benefits.

Evidence of Success :

- Effective reduction in biodegradable waste through composting.

- Production of organic fertilizer supporting sustainable agriculture.
- Farmers reported improved soil quality and increased crop yields.
- Reduction in dependency on chemical fertilizers, lowering input costs.
- Strengthened relationship between the institution and the farming community.
- Increased awareness and adoption of eco-friendly agricultural practices.

Problems encountered :

🎬 **Initial Awareness Challenges:** Limited knowledge among stakeholders regarding composting techniques.

🎬 **Maintenance Issues:** Regular monitoring and upkeep of compost bins required.

🎬 **Logistical Constraints:** Collection, processing, and distribution of compost involved coordination efforts.

🎬 **Financial Support:** Need for additional funding to expand the initiative.

🎬 **Scalability Challenges:** Expanding the initiative to benefit a larger farming community requires more resources and infrastructure.

Evidence of the Same

SR. NO	NAME OF THE EVENT / ACTIVITY	OUTPUT / COUNT
1	COMPOST GENERATED	233 KGS

COMPOST FROM ORGANIC WASTE



STEP 1: WET WASTE COLLECTION FROM VEGETABLE VENDORS



STEP 2: MIXING & LAYERING IN COMPOST BIN



STEP 3: COMPOST PROCESSING



TOTAL **4** BINS ARE SET. THIS PROCESS IS CARRIED OUT BY THE NSS VOLUNTEERS ON A **REGULAR BASIS**. COMPOST COLLECTED THROUGHOUT THE YEAR: **233.59 KGS**

DISTRIBUTION OF ORGANIC FERTILIZER AT ADOPTED VILLAGE HAMRAPUR

