



## Evidence(s)

### THE-Impact Ranking



**HEI: TRIDENT ACADEMY OF TECHNOLOGY**

**COUNTRY: INDIA**

#### **2.2.2 Campus Food Waste**

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**Plate 1-** An organic waste composting system **Plate 2-** Organic waste are used in Green House

**Plate 1-** Trident College has taken a significant step toward eco-friendly campus management by installing a **modern organic waste composting system** designed to promote sustainable waste disposal practices. This system efficiently processes **organic waste generated daily**, including food scraps and leftovers from the hostels and campus dining areas, converting nearly into nutrient-rich compost. The high-quality compost produced through this process is utilized for **campus gardening, tree plantations, and landscaping activities**, thereby enriching the soil naturally and reducing the dependency on chemical fertilizers.

This initiative not only supports Trident College's long-term sustainability goals but also contributes to waste minimization and a cleaner campus environment. By diverting biodegradable waste from landfills, the institution is helping to lower methane emissions and reduce its overall carbon footprint. The composting system also serves as a living laboratory for students, encouraging them to learn about and participate in real-world applications of sustainable waste management and circular economy practices.

In addition, **Trident Academy of Technology, Bhubaneswar**, has established a valuable partnership with the NGO **"No Food Waste"** to further its mission of reducing food waste while addressing local hunger issues. Through this collaboration, surplus food collected from the college canteen, hostels, and various campus events is carefully repackaged and redistributed to nearby shelters, orphanages, and charitable organizations. This initiative not only prevents edible



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food from being discarded but also promotes a **culture of empathy, community service, and social responsibility** among students and staff.

#### **Plate 2-**

Trident College has initiated a sustainable greenhouse project that utilizes organic waste generated on campus as compost to nurture a variety of medicinal plants and orchids. This eco-friendly system not only promotes waste recycling but also enhances biodiversity within the campus. The greenhouse serves as a live laboratory for students to study plant growth, herbal benefits, and sustainable agriculture practices. By converting biodegradable waste into nutrient-rich compost, Trident College demonstrates its commitment to environmental stewardship, green innovation, and holistic education focused on sustainability and natural resource conservation

Together, these two initiatives—**organic composting and surplus food redistribution**—exemplify Trident's integrated approach to sustainability. They highlight the institution's dedication to creating a zero-waste, environmentally conscious campus that inspires students to adopt greener habits and contribute to a more sustainable and equitable society.

#### **Description**

Trident Academy of Technology in Bhubaneswar is committed to sustainability through initiatives like an organic waste composting system that processes, creating nutrient-rich compost for campus gardens. Additionally, their partnership with "No Food Waste" and **surplus food redistribution** by Kartavya club focuses on collecting and redistributing surplus food to local charities, further promoting eco-friendly practices and reducing waste.