



**SUSTAINABLE  
DEVELOPMENT GOALS**



Progress Report 2024-2025

Trident Academy of Technology

**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION





## SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Trident Academy of Technology has implemented a comprehensive Purchase Policy emphasizing transparency, integrity, and sustainability. All procurements undergo tiered authorization, with purchases above INR50,000 requiring competitive bidding. The policy mandates ethical sourcing, prioritizes eco-friendly and local products, and forbids vendor-related conflicts of interest. Annual reviews and staff training ensure compliance and accountability.

The Hazardous Material Disposal Policy ensures safe handling, labelling, and segregation of hazardous waste under supervision of the Chemical Waste Disposal Committee. Waste is categorized into biodegradable, non-biodegradable, and hazardous types, each managed through composting, recycling, or secure disposal. Signage and awareness drives promote responsible waste handling campus-wide.

Trident's sustainability framework integrates three key policies-Water Reuse, Food Waste Management, and Organic Waste Composting. Rainwater harvesting and wastewater recycling ensure efficient water use. The composting system converts 300 kg of food waste daily into nutrient-rich manure, while food redistribution initiatives reduce landfill contribution and foster community welfare.

The Plastic Waste Reduction Policy minimizes single-use plastics through awareness programs, recycling infrastructure, and promotion of reusable alternatives. Strategically placed recycling bins and educational drives encourage sustainable behavior across the campus, reinforcing TAT's alignment with circular economy principles.

Trident's policy to minimize disposable items promotes sustainable alternatives such as refillable bottles and cloth bags. Dedicated waste bins and awareness campaigns encourage reduction of single-use items, integrating environmental responsibility into daily campus operations.

The Plastic Waste Reduction Policy extends to campus services, banning single-use plastics such as bottles and decorations. The Kartavya Club leads awareness programs and eco-friendly product design workshops. Water dispensers and waste segregation systems support a plastic-free and environmentally conscious campus.

TAT employs a comprehensive waste tracking system that quantifies waste generation, segregation, and recycling. Data analytics help identify waste trends and assess the effectiveness of policies. Regular monitoring supports evidence-based sustainability decisions and continuous improvement.

Trident's waste management strategy emphasizes recycling and composting. Food waste is transformed into organic manure, reducing landfill dependency. The policy integrates redistribution of surplus food, promoting both social welfare and environmental sustainability.