



Evidence(s) THE-Impact Ranking



HEI: **TRIDENT ACADEMY OF TECHNOLOGY**

COUNTRY: INDIA

WEBSITE: <https://tat.ac.in/activities/>

12.2.4 POLICY WASTE DISPOSAL-LANDFILL POLICY

12.2.4 POLICY WASTE DISPOSAL-LANDFILL POLICY




 TRIDENT ACADEMY OF TECHNOLOGY Ref: TAT/P/30/2024		 TRIDENT ACADEMY OF TECHNOLOGY Ref: TAT/P/21/2024																																							
<table border="1"> <tr><td>Name of the policy</td><td>Water Reuse Policy</td><td>Department responsible</td><td>All</td></tr> <tr><td>Department</td><td>All</td><td>Prepared by</td><td>Dr. Ajay Kumar Sahoo</td></tr> <tr><td>Effective date</td><td>11-4-2018</td><td>Checked by</td><td>Dr.D.N.Pattanayak</td></tr> <tr><td>Review date</td><td>11-03-2024</td><td>Approved by</td><td>Principal</td></tr> <tr><td>No. of pages</td><td>1</td><td></td><td></td></tr> </table> <p>1. Purpose: The purpose of this policy is to conserve water by following preventive, reusing, and recycling measures.</p> <p>2. Responsibility Centre: Office of Principal</p> <p>3. Procedure: The following procedures are to be adopted for the above:</p>	Name of the policy	Water Reuse Policy	Department responsible		All	Department	All	Prepared by	Dr. Ajay Kumar Sahoo	Effective date	11-4-2018	Checked by	Dr.D.N.Pattanayak	Review date	11-03-2024	Approved by	Principal	No. of pages	1			<table border="1"> <tr><td>Name of the policy</td><td>Food Waste Management Policy</td><td>Department responsible</td><td>All</td></tr> <tr><td>Department</td><td>All</td><td>Prepared by</td><td>Dr. Ajay Kumar Sahoo</td></tr> <tr><td>Effective date</td><td>11-4-2018</td><td>Checked by</td><td>Dr.D.N.Pattanayak</td></tr> <tr><td>Review Date</td><td>11-3-2024</td><td>Approved by</td><td>Principal</td></tr> <tr><td>No. of pages</td><td>3</td><td></td><td></td></tr> </table> <p>Introduction Food waste encompasses any waste generated in food preparation or service units, including the preparation process, partially prepared ingredients, consumer leftovers, and excess cooked food. This waste has significant environmental impacts due to its moisture and nutrient content, which promotes microbial growth and foul odors, attracting insects. These factors can directly or indirectly compromise food safety in preparation and service establishments and broadly affect food security. In India, per capita food wastage is approximately 50 kg in recent years. Reducing food waste is crucial and can be achieved through awareness and stringent guidelines supported by modern technologies.</p>	Name of the policy	Food Waste Management Policy	Department responsible	All	Department	All	Prepared by	Dr. Ajay Kumar Sahoo	Effective date	11-4-2018	Checked by	Dr.D.N.Pattanayak	Review Date	11-3-2024	Approved by	Principal	No. of pages	3	
Name of the policy	Water Reuse Policy	Department responsible	All																																						
Department	All	Prepared by	Dr. Ajay Kumar Sahoo																																						
Effective date	11-4-2018	Checked by	Dr.D.N.Pattanayak																																						
Review date	11-03-2024	Approved by	Principal																																						
No. of pages	1																																								
Name of the policy	Food Waste Management Policy	Department responsible	All																																						
Department	All	Prepared by	Dr. Ajay Kumar Sahoo																																						
Effective date	11-4-2018	Checked by	Dr.D.N.Pattanayak																																						
Review Date	11-3-2024	Approved by	Principal																																						
No. of pages	3																																								
Plate 1- Water Reuse Policy		Plate 2- Food Waste Management Policy		Plate 3- Waste Composting System																																					

Plate 1 - Trident Academy of Technology (TAT) actively promotes water conservation and sustainability through its comprehensive Water Reuse Policy. Overseen by the Office of the Principal, this policy emphasizes preventive measures, reuse, and recycling to optimize water use on campus. Key initiatives include the collection and storage of rainwater in campus ponds, subsequent treatment at an on-site facility, and storage of treated water in designated tanks. Rigorous monitoring ensures that the quality of recycled water consistently meets the Bureau of Indian Standards (BIS). Additionally, wastewater generated from kitchens and hostels is treated to comply with BIS standards. The policy advocates for the use of water-efficient appliances and incorporates educational programs aimed at fostering water conservation awareness among students and staff. The policy also outlines systematic monitoring of wastewater production and provisions for constructing new facilities when required to support sustainable water management.

<https://tat.ac.in/wp-content/uploads/2024/11/water-reuse-policy.pdf>

Plate 2- The Food Waste Management Policy at TAT is designed to minimize food waste across food preparation and service areas by adhering to best practices and regulatory standards. The policy mandates compliance with the Food Safety and Standards Authority of India guidelines, ensuring the safe handling, storage, and recycling of food waste. Organs of the policy include regular measurement and documentation of waste, segregation into distinct categories such as dry, wet, and biodegradable waste, and utilization of eco-friendly containers. Leftover food is distributed to needy populations whenever feasible. Sustained education and awareness programs maintain stakeholder engagement in waste reduction and minimizing environmental impacts.

<https://tat.ac.in/wp-content/uploads/2024/11/food-waste-Management-policy.pdf>



Evidence(s)

THE-Impact Ranking



HEI: TRIDENT ACADEMY OF TECHNOLOGY

COUNTRY: INDIA

WEBSITE: <https://tat.ac.in/activities/>

12.2.4 POLICY WASTE DISPOSAL-LANDFILL POLICY

Plate 3- Trident Academy advances its sustainability mission through an Organic Waste Composting System that processes approximately 300 kilograms of organic waste daily. This system converts food scraps and related organic waste from hostels into nutrient-rich compost, which is then applied to campus gardening and landscaping initiatives. This natural soil enrichment strategy reduces reliance on chemical fertilizers, curtails landfill waste, and lowers campus carbon emissions. Furthermore, it encourages active student involvement in sustainable environmental stewardship.

Description

Trident Academy of Technology has implemented multiple interrelated sustainability policies aimed at resource conservation and environmental responsibility. The Water Reuse Policy facilitates water conservation through rainwater harvesting, treatment, and adherence to Bureau of Indian Standards, complemented by wastewater treatment and water-efficient technologies. The Food Waste Management Policy systematically reduces food wastage via segregation, regulatory compliance, and redistribution of leftovers, supported by ongoing training and advocacy. Supporting these policies is the Organic Waste Composting System converting up to 300 kg of organic refuse daily into valuable compost for campus landscaping, thereby minimizing landfill contributions and fostering eco-conscious campus engagement. Together, these initiatives underscore TAT's commitment to holistic sustainability and responsible resource management within its educational environment.