

Action plan to reduce campus plastic waste

Plastic Waste Management Report – Centurion University University

Centurion University has adopted a proactive sustainability policy to minimize plastic waste across its campuses. The initiative aligns with India's Plastic Waste Management (PWM) Rules (2022) and supports the UN Sustainable Development Goals.

Key Measures Implemented

- **Ban on Single-Use Plastics:** All commercial entities within campus premises strictly adhere to the prohibition of single-use plastic items such as bottles, bags, and packaging materials.
- **Alternative Solutions:**
 - Installation of water units to eliminate plastic bottle usage.
 - Promotion of cloth and paper bags among students and staff.
 - Use of wood and metal furniture instead of plastic furnishings.

Awareness & Education:

- Integration of plastic waste management into the academic curriculum.
- Student-led campaigns to promote plastic-free households.
- Training programs for staff on PWM rules and sustainable practices.

Innovation & Engagement

- **3R-Based Startups:** Student projects and entrepreneurial ventures focus on the principles of Reduce, Reuse, and Recycle, utilizing waste plastics for innovative applications. example-several specific actions have been implemented. For example, “**Plastic-Free Campus Drive 2024**” organized by NSS and the School of Applied Sciences collected over **1.2 tons of single-use plastics** from hostels and nearby Paralakhemundi town.
- **Community Outreach:** Students conduct awareness drives in surrounding communities to sensitize residents about the environmental impact of plastic waste.

Monitoring & Review

- Annual environmental audits are conducted jointly by the Department of Environmental Science and the Institutional Green Audit Committee of Centurion University, Paralakhemundi, to assess compliance and the effectiveness of plastic waste management and water-quality systems across the campus.

- These audits include waste segregation reviews, plastic reduction monitoring, and documentation of recycling practices, ensuring adherence to Centurion University's Environmental and Waste Management Policy.
- In addition, faculty- and student-led research projects regularly analyse audit outcomes and propose improvements in waste management operations, recycling processes, and awareness programmes, leading to refinement of institutional practices and campus sustainability policies.



Figure 1: Glimpses of beachside plastic awareness program

Waste Reduction and Plastic Awareness

- 1.2 tons of plastic waste collected and recycled.
- Installation of 30 campus-level waste bins near water bodies.
- Student innovation: plastic-to-brick prototypes for walkway construction



PLASTIC WASTE REDUCTION

PLASTIC WASTE GENERATION

