NIMS UNIVERSITY
RAJASTHAN, JAIPUR

Recycling Infrastructure

Nims University Rajasthan, Jaipur

Dr. B.S. Tomar City, Jaipur-Delhi Highway, Jaipur - 303121

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Recycling Infrastructure

1. Introduction

Nims University is committed to fostering sustainability and environmental conservation as part of its holistic approach to education. Aligned with Sustainable Development Goal the university has established a comprehensive infrastructure for recycling that includes waste segregation, awareness initiatives, and an effective waste collection system.

2. Recycling Infrastructure

1. **Waste Segregation Bins**
   - Color-coded waste bins are strategically placed across the campus, including academic buildings, hostels, cafeterias, and outdoor areas.
   - Separate bins for biodegradable, recyclable, and hazardous waste encourage source segregation.
   - Clear labels and symbols on the bins ensure user-friendly operation and adherence to waste management protocols.
2. **Waste Collection and Processing System**
   - A structured waste collection system ensures timely pickup of segregated waste by the university's waste management team.
   - Biodegradable waste is sent to composting units on campus, producing organic manure for use in landscaping and gardening.
   - Recyclable materials such as paper, plastic, and metal are sent to authorized recycling facilities.
   - Hazardous waste, including electronic and biomedical waste, is disposed of in compliance with government regulations through certified vendors.

Waste segregation bins placed at various locations in the campus

3. **Sewage Treatment Plants (STPs)**
   - NIMS University operates sewage treatment plants (STPs) to ensure wastewater generated on campus is treated effectively.
   - The treated water is recycled and used for landscaping, irrigation of green areas, and maintaining the campus ecosystem. This significantly reduces freshwater consumption.

4. **Composting**
   - The university has established on-site composting facilities to handle organic waste generated on campus.
   - Wet waste from food courts, canteens, and hostels is processed into nutrient-rich compost, which is utilized for maintaining the campus gardens and green spaces.

5. **Digitalization to Minimize Paper Waste**
   - Nims University emphasizes the use of digital communication, e-learning platforms, and online assessments to reduce paper consumption.
   - Departments are encouraged to adopt paperless workflows wherever possible.

6. **Awareness and Education**
   - Regular workshops, seminars, and campaigns are organized to educate students, staff, and faculty on waste segregation and recycling.
   - Signage and posters across campus promote awareness of the importance of recycling and its environmental benefits.
   - Student-led green initiatives and clubs actively engage the university community in promoting recycling practices.

3. Outcomes and Impact

- **Environmental Benefits**: The recycling system has significantly reduced landfill waste and promoted resource conservation.
- **Behavioral Change**: Awareness initiatives have instilled responsible waste management practices among the university community.
- **Sustainability Practices**: The integration of recycling infrastructure into campus operations contributes to the university's reputation as a green campus.