



## **GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)**

### **Degradable and Non-degradable Waste Management Policy**

Godavari Institute of Engineering & Technology (GIET) was established in 1998 to offer engineering education of world-class standards. Over the years, the Institute has come a long way to gain a place of repute and a preferred destination for quality engineering education marking it as the best engineering colleges in Andhra Pradesh. Located in the serene and sylvan suburbs of Chaitanya Nagar, Rajahmundry on NH-16. An ISO-certified, NBA-accredited and NAAC-A+ Grade accredited institution; GIET has many distinctions to its credit.

The relationship between GIET and nature is a long and enduring one, something that students and staff of the college are aware of. The sprawling 300-acre campus of GIET campus reflects the finest educational facilities around. The stately 5-storeyed structure set amid idyllic setting ensures a most congenial atmosphere for scholastic pursuit in right earnest.

Since 1998, the college has always had sustainable initiatives at the core of all activities. College buildings have been built up in the 20% of the 300 acre lush campus. The rest of the campus can be categorized as playgrounds, lawns and gardens. A huge area is left in its natural form and acts as a natural habitat for biodiversity and a large variety of species of grasses, herbs, shrubs and trees.

#### **Context**

A Green Campus is a place where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. The green campus concept offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of the mankind.

Godavari Institute of Engineering & Technology (A), Rajahmundry, Andhra Pradesh promotes green practices in and around the college premises to ensure minimal carbon footprints. The college has taken a special initiative to instill awareness of environmental responsibility among students and staff.

In keeping with the tradition of intellectual excellence, the College has outlined the following policies and practices to improve its environmental performance.

Godavari Institute of Engineering & Technology (GIET) is renowned for not only providing quality education but also for its commitment to environmental sustainability and waste management. The institute boasts a comprehensive waste management infrastructure that encompasses solid waste, liquid waste, biomedical waste, e-waste, waste recycling, and hazardous chemicals and radioactive waste. This integrated approach reflects GIET's dedication to maintaining a clean and eco-friendly campus.

**Solid Waste Management:** GIET employs a well-structured solid waste management system. On-campus waste segregation at source is practiced diligently, ensuring that different categories of waste, such as plastics, paper, food waste, and general waste, are kept separate. This facilitates efficient waste handling and disposal.

The institute has designated waste collection points equipped with color-coded bins for easy segregation. Trained personnel manage the collection, segregation, and disposal processes. Non-degradable waste is carefully stored and eventually sent to authorized waste disposal units. Organic waste is treated through composting, which is then used to enrich the campus gardens and greenery.

**Liquid Waste Management:** GIET pays close attention to liquid waste management to prevent water pollution. The institute's infrastructure includes well-designed drainage systems that separate sewage from rainwater. This ensures that sewage is properly treated before being discharged, preventing contamination of natural water bodies. The treatment plant employs modern techniques to remove contaminants from the sewage, making it safe for discharge or reuse.

**E-Waste Management:** Given the proliferation of electronic devices, e-waste has become a significant concern. GIET tackles this issue through dedicated e-waste collection points. Discarded electronic items like computers, mobile phones, and peripherals are collected separately. The institute collaborates with certified e-waste recycling companies to ensure the environmentally friendly disposal and recycling of these materials, thus preventing hazardous substances from entering the ecosystem.

**Waste Recycling System:** GIET prioritizes waste recycling as a key component of its waste management strategy. The institute encourages students and staff to participate in recycling initiatives by providing awareness campaigns and education on the benefits of recycling. Recyclable materials are collected separately and sent to recycling facilities, reducing the demand for virgin resources and minimizing waste's environmental impact.

**Hazardous Chemicals Waste Management:** For hazardous chemicals waste resulting from laboratory experiments and research activities, GIET maintains a strict protocol. These materials are stored in secure containers within designated storage areas. Trained professionals handle the transportation and disposal of hazardous waste in accordance with regulatory guidelines. The institute collaborates with certified agencies to ensure the safe management of such waste, preventing any potential harm to the environment or human health.