

# **Solid waste management -Engineering**

## **Objective:**

To efficiently manage and reduce the environmental impact of solid waste generated by JKKN College of Engineering while promoting sustainability and responsible waste handling practices.

## **1. Waste Classification:**

The solid waste generated at JKKN College of Engineering includes plastic, paper, agriculture waste, and food waste. It will be categorized into these four main types.

## **2. Waste Collection:**

Segregated bins will be placed throughout the campus for the separate collection of plastic, paper, agriculture waste, and food waste.

Responsible waste collection practices will be implemented to ensure proper separation and minimize contamination.

## **3. Transportation and Transfer:**

Collected waste will be transported to a designated transfer station on campus.

The transfer station will consolidate waste and transfer it to regional processing or disposal facilities using appropriate vehicles.

## **4. Recycling and Composting:**

Recycling bins will be available for plastic and paper waste.

Composting facilities, including onsite composting and vermicomposting, will be established for agriculture and food waste.

## **5. Non-Recyclable Waste Disposal:**

Non-recyclable waste will be incinerated or disposed of using environmentally responsible methods to minimize environmental impact.

#### **6. Waste Analysis and Monitoring:**

Regular waste audits will be conducted to assess waste composition and identify opportunities for waste reduction.

Monitoring and reporting mechanisms will be established to track progress and ensure compliance with waste management policies.

#### **7. Awareness and Education:**

Educational programs and awareness campaigns will be organized to promote responsible waste management practices among students, faculty, and staff.

Training will be provided on proper waste segregation and disposal methods.

#### **8. Compliance and Accountability:**

JKKN College of Engineering will comply with all local environmental regulations and guidelines related to waste management.

The College will appoint a waste management officer responsible for overseeing the implementation of this policy.

#### **9. Continuous Improvement:**

The College will continuously evaluate its waste management practices and seek innovative solutions to further reduce waste generation and promote sustainability.