A Major Project Report on

SMART DUSTBIN WITH IOT AND SMS ALERT

Submitted to

Jawaharlal Nehru Technological University, Hyderabad

In partial fulfilment of the requirement
For the award of degree of
BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMINCATION ENGINEERING

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CERTIFICATE

This is to certify that the major project entitled **"Smart dustbin with IOT and SMS alert"** submitted to **JNTUH** is carried out by the following students of **IV B. Tech** in the partial fulfilment for the award of the B. Tech degree in **Electronics and Communication Engineering** during academic year 2022-23.

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ABSTRACT

The smart dustbin using IOT (Internet of Things) and SMS alert project is a system designed to enhance waste management by integrating technology into traditional dustbins. It is explained by IOT and SMS (Short Message Service) capabilities to monitor the fill level of dustbins and alert the concerned authorities when they need to be emptied. The traditional waste management process often relies on fixed schedules or visual inspections to monitor when dustbins need to be emptied. This approach can be inefficient and lead to overflowing bins or unnecessary collections. The smart dustbin system aims to address these issues by providing real-time monitoring and intelligent notifications.

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