

A Major Project Report on
E-CHALLAN BILLING SYSTEM USING GSM

Submitted to

Jawaharlal Nehru Technological University, Hyderabad

In partial fulfilment of the requirement for

The award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

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2022-2023



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CERTIFICATE

This is to certify that the major project entitled “**E-CHALLAN BILLING SYSTEM USING GSM**” 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 the academic year **2022-2023**.

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Abstract

Although there are many technological innovations that are taking place, existing electricity consumption billing process in India is not up to the mark and does not meet the latest technology available. In order to achieve a better and efficient billing system we are introducing a fully automatic billing system i.e., "Billing of electric meter using GSM". Here along with existing unit, a GSM modem will be installed in every consumer's place with a microcontroller which is also connected to the Electric Board office on the other end. This calculates the electricity usage and the amount to be paid based on consumer's power consumption and sends it to the consumer's mobile by SMS. The same details will be displayed on LCD which is attached to user's unit. Whenever the user has not paid bills after the due date the power supply is disconnected and reconnected automatically as soon as they pay bills.



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