

A  
Project Report  
On  
**MICROCONTROLLER BASED AUTOMOTIVE ANTITHEFT  
WIRELESS ALARM**

Submitted to  
Department of  
**ELECTRONICS & COMMUNICATION ENGINEERING**

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(Approved by AICTE, New Delhi, Affiliated to JNTUH, Accredited by NBA)

Ananthasagar (Vill), Hasanparthy (M), Warangal.

**2022-23**



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**CERTIFICATE**

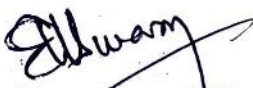
This is to certify that the project entitled "MICROCONTROLLER BASED AUTOMOTIVE ANTITHEFT WIRELESS ALARM" carried out by the following students of III Year B.Tech in Electronics and Communication Engineering during the academic year 2022-23.

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## ABSTRACT

Right from the day of advent of commercial distribution of electricity till today we have many live wires carrying AC current doing some harm or even sometimes killing some. AC power detector has the capability to sense a flow of alternating current around its vicinity without even having a physical contact with the live wire. The concept of working behind this wireless AC power detector is that a live wire has alternating current flowing through it. These also radiate from the wires and hence can be felt by a nearby sensing circuit which is properly tuned to do so. It has an antenna which does this task of receiving these radiated waves. The received waves are then converted into a human recognizable form with the help of a processing circuitry. Thus the circuit gives an audio visual signal in the form of pulsating buzzer and LED to let the user with the device inspecting the live wire know that there is a current flowing through the live wire. An antenna is an important part of any circuitry which is intended to receive incoming wireless signals. The radiated AC line signals are received by this antenna. These signals are then amplified and fed to the LED blink circuit section. Hence when the LED starts blinking the person testing the wire can know that the wire is Live.



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