

A Major Project Report On
FIRE FIGHTING ROBOT

Submitted to

Jawaharlal Nehru Technological University, Hyderabad

In partial fulfillment 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 report entitled "**FIRE FIGHTING ROBOT**" submitted to JNTUH is carried out by the following students of IV B.Tech in the partial fulfillment of requirement for the award of degree of Bachelor of Technology in **Electronics & Communication Engineering** during academic year 2022-2023.

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ABSTRACT

There is no doubt that firefighting is an important job, but it is also very dangerous Occupation. The absence of human beings in detection of fire usually leads to a huge damage. This project aims to design a fire fighting robot that can operate remotely. The development of firefighting robot consists of two elements both hardware and software programming. The project uses the Arduino UNO as a major embedded system with the ATmega 328P microcontroller. It has H3-05 Bluetooth module for communication. The robot will move randomly in the room when the battery is on. The V380 pro camera is used to know the fire intensity for the user, when the flame sensors detected the fire, the robot will move to the fire source and send a warning message to the user.



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