

Fire Detector Robot

Tejas O. Deshmukh, Shreya M. Diwnale, Amruta G. Bhatkar, Parth Zopate, Hariom Deshmukh, Mukesh Bhongale, Faizan Sheikh, Yash Tayade, Pranav Upadhye, Rohit Shelke, Shreyash Dupare
Dr. Rajendra Gode Institute of Technology and Research, Amravati (Polytechnic)

Abstract: *Fire accidents cause severe damage to life and property. Early detection and quick response are crucial in minimizing losses. This paper presents the design and development of a Fire Detector Robot capable of detecting fire and extinguishing it autonomously. The system integrates sensors, microcontrollers, and actuators to perform efficient fire monitoring and control operations. The proposed robot can be deployed in hazardous environments where human intervention is risky.*

Keywords: Fire Detection, Flame Sensor, Arduino, Robot, Automation, Safety System

