

# IoT Based Fire Fighting Robot using Arduino, Bluetooth

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**Abstract:** *The main purpose of this project is to protect industry from fire accidents and to avoid causing severe casualties. This fire fighting robot equipped with the remote controls to operate by the use of Bluetooth and send the alerts using the Wi-Fi communication methods. This project also has the ability to extinguish the fire by pumping the water with the equipped submersible motor. This project is totally remote controlled based so no fire fighter men will be injured also this robot is compact enough to go through the buildings and put the fire out*

**Keywords:** Arduino, Wi-Fi communication, Bluetooth controls, Display Message Status, LCD, Fire Sensor, Automation, IOT, Internet

