IOT Based Smoke Detection System

Project Overview

A smoke detector is a device that senses smoke, typically as an indicator of fire. Commercial security devices issue a signal to a fire alarm control panel as part of a fire alarm system, while household smoke detectors, also known as smoke alarms, generally issue a local audible or visual alarm from the detector itself.In this project, first the MQ2 sensor will detect the smoke then the reading which is voltage will go in the arduino board.After the smoke is detect then the buzzer will start.After the buzzer goes on then the it will go to the GSM module.when in GSM module there will be a sim card using which it will send a message on to the mobile phone .

Problem and Solution Statement

Safety is a crucial consideration in design of residential and commercial buildings in order to safeguard against loss of life and damage to property. Fire is a key element in safety considerations. This project therefore seeks to design a microcontroller based smoke alarm that will continuously monitor the presence of significant amount of smoke and activate an alarm to prompt a safety measure to contain the situation.

Benchmark (How this solution is better?)

our solution is better than the others because in our project the person wil come to know where he might be that there fire in his house our in the building,in other smoke detector there are only buzzers which you can only know if you there in house or the in building.

Implementation strategy

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Contributors

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GITHUB LINK of YOUR PROJECT: https://github.com/16IT051/smoke-detection-system.git