

Project Design Phase-II Technology Architecture

Date	14 October 2022
Team ID	PNT2022TMID24952
Project Name	Industry-specific intelligent fire management system
Maximum Marks	4 Marks

Technical Architecture:

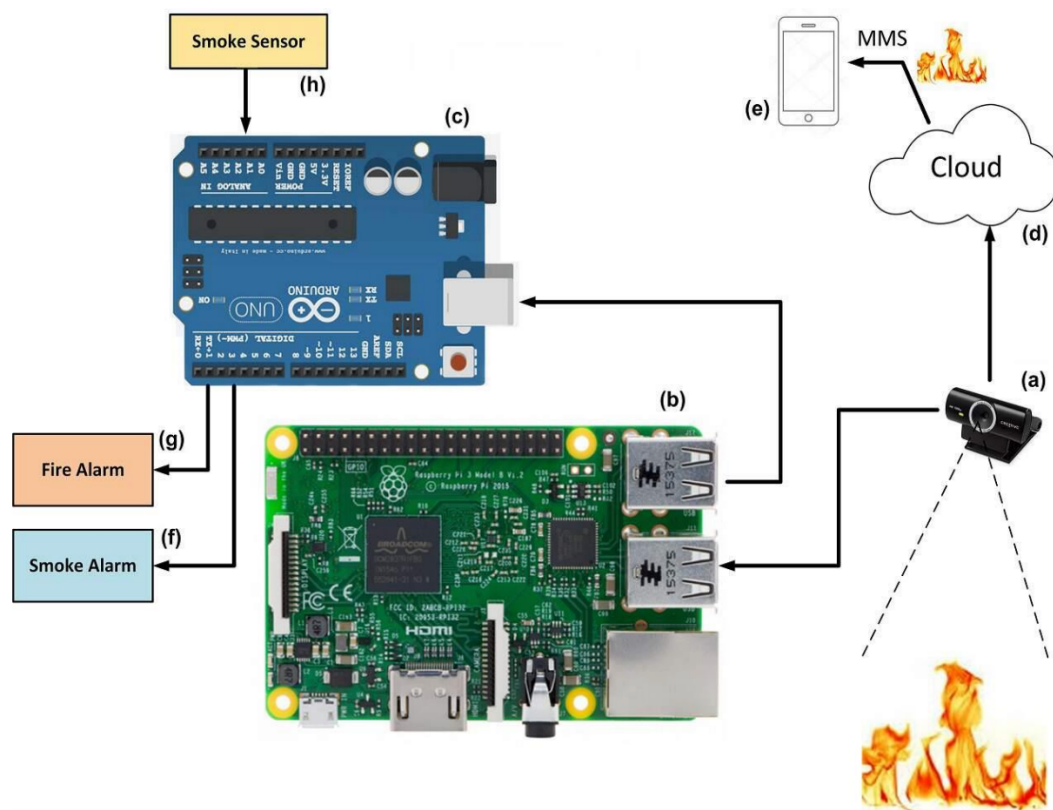


Table 1: Components and Technology

Components	Description	Technology
User interface	User interface with the equipment using mobile app ,web UI	HTML, CSS, JavaScript /Angular Js /React Js
Application logic 1	Logic for detecting the fire	python
Application logic 2	Logic for detecting the fire	Arduino IDE

Application logic 3	Logic for controlling process for the fire	Raspberry pi
Cloud data base	Database Service on Cloud	IBM DB2, IBM Cloudant ,IBM Watson, Node red service
File storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem

Table 2: Application Characteristic:

Characteristics	Description	Technology
Throughout	High Efficiency is achieved	Using IOT
Scalability	To accommodate future changes in use and occupancy	Update can be made easily using mobile app