

Project Design Phase-I Solution Architecture

Date	06 October 2022
Team ID	PNT2022TMID18171
Project Name	Industry-specific intelligent fire management system
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- To meet the application requirements of wireless automatic fire alarm system
- It based on the analysis of the applicable sites of wireless fire alarm system and the characteristics of communication service.
- This architecture designs a dedicated wireless communication protocol for fire detection and alarm, and develops a complete set of wireless automatic fire alarm system.
- To achieve rapid fire detection and alarm and state supervision of fire-fighting facilities with low power consumption.

Example - Solution Architecture Diagram:

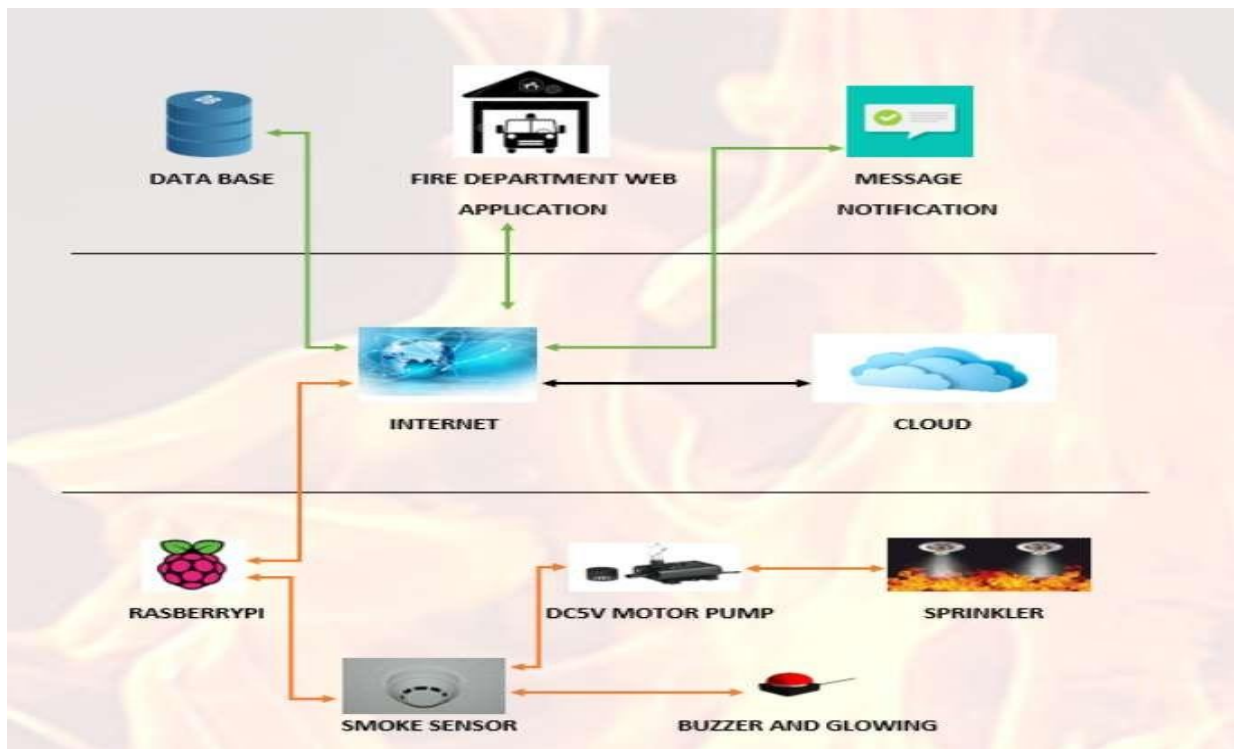


Figure 1: Architecture and data flow of Industry-specific intelligent fire management system