

Project Design Phase-I Solution Architecture

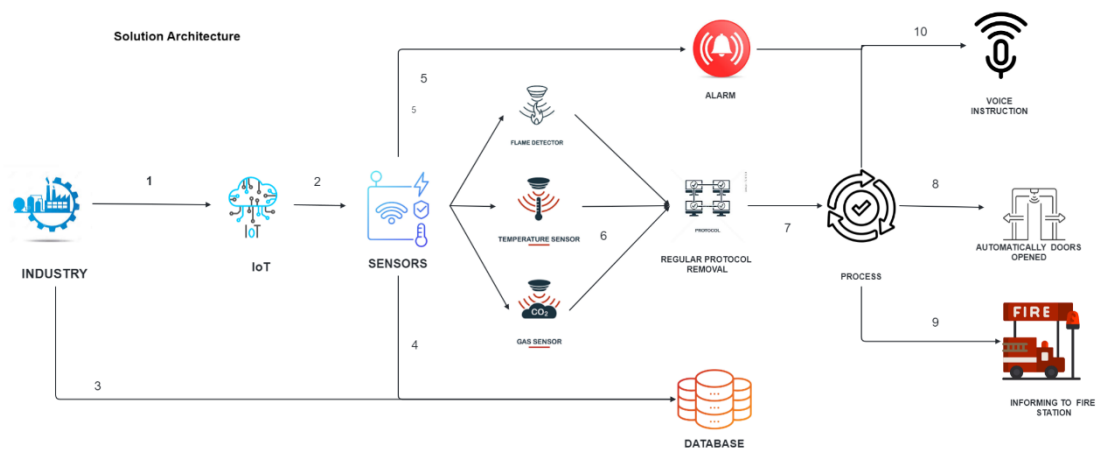
Date	09 October 2022
Team ID	PNT2022TMID33754
Project Name	Project - Industry-specific intelligent fire management system
Maximum Marks	4 Marks

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:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Solution Architecture Diagram:



1. Industry controls

2. IoT devices and sensor controls

3. Database collection

4. Sensors store the data in database

5. Instruct to alarm if Fire detected

6. Protocol allocation

7. Protocol processing IoT devices

8. Automatic door opening system Enabled

9.Informing the nearest fire station

10.Enabling Voice instruction