

Project Design Phase-I

Solution Architecture

DATE	12 th NOVEMBER 2022
TEAM ID	PNT2022TMID54479
PROJECT NAME	INDUSTRY SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM
MAXIMUM MARKS	4

Solution Architecture:

The smart fire management system includes a Gas sensor, Flame sensor and temperature sensors to detect any changes in the environment.

- Based on the temperature readings and if any Gases are present the exhaust fans are powered ON.
- If any flame is detected the sprinklers will be switched on automatically.
- Emergency alerts are notified to the authorities and Fire station.

Example : Solution Architecture Diagram

