**Project Design Phase-I**

**Proposed Solution**

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| Team ID | PNT2022TMID18163 |
| Project Name | Industry specific fire management system |

**Proposed Solution:**

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * 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. |
|  | Idea / Solution description | To implement the fire safety management in industry based on IOT using Arduino uno board with fire detection and fire extinguisher system. And using some sensors (Temperature sensor, Flame sensor, smoke sensor) with GPS tracking system |
|  | Novelty / Uniqueness | Fire Explotion /fire leakage location send to the management |
|  | Social Impact / Customer Satisfaction | It serves of value to users, Fire detection systems increase response times, as they are able to alert the correct people in order to extinguish the fire. |
|  | Business Model (Revenue Model) | It is an industry-efficient product in all aspects. Provides a clear idea about the entire working mechanism of the system. |
|  | Scalability of the Solution | High Scalability |