Project Design Phase 1: Proposed Solution:

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| Date | 10 October 2022 |
| Team ID | PNT2022TMID20469 |
| Project Name | Industry-Specific Intelligent Fire Management System |
| Maximum Marks | 4 Marks |

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| **S. No** | **Parameter** | **Description** |
| 1. | Problem Statement | Our project will be given the problem statement in Fire Management in industry using IOT. |
| 2. | Idea/Solution description | The most frequently used applications of the lot in the fire management system are for detecting fire and alerting fire departments over IOT. |
| 3. | Novelty/Uniqueness | Fire management system includes application of multiple sensors with automatic water sprinkler  which can help to detect fire and alert emergency services to protect lives and valuable assets. |
| 4. | Social Impact / Customer Satisfaction | Certain substances commonly used in industrial settings can ignite with the slightest spark, or even by static electricity, so even a small leak can cause a fire.The proposed model employs different  integrated detectors, such as heat, smoke, and flame. |
| 5. | Business Model(Revenue Model) | A smart fire system is generally made up of various components, including fire alarms, smoke detectors, heat detectors and a method of fire suppression. A smart fire system will use these components to collect data, manage and notify the user of a triggered event, all through a smartphone or device. |
| 6. | Scalability of the Solution | Fire detection systems increase response times, as they are able to alert the correct people in order to extinguish the fire. |