**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 08 OCTOBER 2022 |
| Team ID | PNT2022TMID20364 |
| Project Name | Project – Industry-specific intelligent fire management system |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
|  | **Problem Statement (Problem to be solved)** | The major amount of fire starts due to the electric short circuit. It leads to damage to property and also loss of life. To avoid that or to minimize the damage caused by fire outbreaks due to electric short circuits an IoT technology is used to control such a kind of risk |
|  | **Idea / Solution description** | To implement this proposed system a low-cost Wi-Fi module, gas detection sensor, Flame detection sensor, buzzer to alert and temperature sensors are used. The sensors detects and alerts the local emergency with the data collected by the system, and alerts organizations like fire departments, police stations and hospitals by sending the exact location to both user and operator through module which all are well connected |
|  | **Novelty / Uniqueness** | The quality of being new, or following from that, of being striking, original or unusual |
|  | **Social Impact / Customer Satisfaction** | Comfort and Convenience.  Security.  Efficiency.  Predictability.  Collective Social Benefits. |
|  | **Business Model (Revenue Model)** | Providing protection of workers from Occupational Safety and Health risk improves goodwill. Besides being the humane thing.  Workers have the right to a working environment adapted to their professional needs and which enables them to prolong their participation in the labour market.’  Under the various Fire Safety Audits, management system, facilities and activities of your organization are assessed. |
|  | **Scalability of the Solution** | It is the ease with which the supply of a product, service or process can be expanded to meet changing levels of demand. |