**Project Design Phase-IProposedSolutionTemplate**

| Date | 10October2022 |
| --- | --- |
| Team ID | PNT2022TMID04174 |
| ProjectName | Industry-specific intelligent fire management system |
| MaximumMarks | 2 Marks |

**ProposedSolutionTemplate:**

| **S.No.** | **Parameter** | **Description** |
| --- | --- | --- |
| 1. | Problem Statement (Problem to besolved) | * Setting up the system is a difficult process. * Power Supply is also one of theproblems. * The Biggest Challenges Faced byIoT in the Safety Sector areLack of resourse, HighAdoption, Cost and SecurityConcerns,etc |
| 2. | Idea/Solutiondescription | * As is the case of precisionIndustry-specific intelligent fire management systemEnablesIndustriesbettertomonitor the safety and maintain thesecuritylevel accordingly. * The Data collected by sensors, Interms of safety, and Security detections help indetermining the safety pattern inIndustries. |

| 3. | Novelty/ Uniqueness | **ALERT MESSAGE** – IoT sensor nodescollectinformation fromthe Industryenvironment, such as smoke, airhumidity, temperaturethentransmit collected data to IoT backhauldevices.  **REMOTEACCESS–**Ithelpstheto  operatethesystemfromanywhere. | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4. | SocialImpact/CustomerSatisfaction | * Reducesthe fire accident in the Industries. * Itsavesalotof time. * IoTcanhelpimprove production in the industries. * It helps the workers in the industries to work confidentaly for their safety. * IoT canalsohelp e-commercebusinessesthriveandincreasesales. * It make asecuredsociety | | | | | | | |
| 5. | BusinessModel (RevenueModel) | Revenue(No.ofUsersvsMonths) | | | | | | | |
|  |  |  |  | | | | | | |
|  |  |  | 800 |  |  |  |  |  |  |
|  |  |  | 700 |
|  |  |  | 600 |
|  |  |  |  |  |
|  |  |  | 500 |
|  |  |  | 400 |  |  |  |  |  |
|  |  | User | 300 |
|  |  |  |  |  |
|  |  |  | 200 |
|  |  |  | 100 |
|  |  |  |  |  |
|  |  |  | 0 |
|  |  |  | 0 |
|  |  |  |  |  |
|  |  |  | 1 |
|  |  |  | 2 |
|  |  |  |  |  |
|  |  |  | 3 |
|  |  |  | 4 |
|  |  |  |  |  |
|  |  | Months | 5 |
| 6. | Scalabilityof theSolution | Scalabilityinsmartsafetyreferstotheadaptability of a system to increase thecapacity, for example, the number oftechnologydevices suchas sensorsand  actuators,while enabling timelyanalysis. | | | | | | | |