**Project Design Phase-I**

**Proposed Solution Template**

| Date | 20 May 2023 |
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| Team ID | NM2023TMID17372 |
| Project Name | Industrial Workers Health And Safety System Based On Internet Of Things |

**Proposed Solution Template:**

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

| **S.No.** | **Parameter** | **Description** |
| --- | --- | --- |
|  | Problem Statement (Problem to be solved) | Automation can help to improve workplace safety by reducing the number of human workers who are exposed to potential hazards. Safety training. This is training that helps workers learn about potential hazards in the workplace and how to best avoid them. |
|  | Idea / Solution description | The Internet Of Things has the potential to make workplaces safer by providing real time monitoring, predictive maintenance, Safety alerts, remote access control , location tracking, inventory management, wearable devices, vehicle tracking, process automation, safety data analysis, and data collection. |
|  | Novelty / Uniqueness | IOT safe provides a common mechanism to secure IOT data communications using a highly trusted SIM, rather than using proprietary and potentially less trusted hardware secure elements implemented elsewhere within the device. |
|  | Social Impact / Customer Satisfaction | Customer satisfaction is important role on this IOT. That satisfaction are, by using connected devices and sensors to gather data from their operations , manufactures can gain insights that can help them improves efficiency, reduce waste, and increase profitability. |
|  | Business Model (Revenue Model) | A popular IOT business model is the data-driven model powered by the data generated by your device. |
|  | Scalability of the Solution | IOT security is the practice that keeps your IOT system safe. IOT security tools protect from threats and branches, identify and monitor risks and can help fix vulnerabilities. IOT security ensures the availability , integrity, and confidentially of your IOT solution. |