**Project Design Phase-I**

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 24 September 2022 |
| Team ID | PNT2022TMID44638 |
| Project Name | Project – Hazardous area monitoring for industrial plant powered by IOT |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Through this, we can monitor the temperature Parameter of the hazardous areas in industrial Plants. |
|  | Idea / Solution description | * The industrial area is integrated with smart beacon devices which will be broadcasting the temperature of that particular area. * Every person working in those areas will be given smart wearable devices will be acting as beacon scanners. * Whenever the person goes near the beacon * Scanners he can view the temperature is high , he will receive the alerts to the mobile through SMS using API. * Through this wearable device, the data is sent to the cloud and the dashboard, the admins of that particular plant can view the data and take necessary precautions if required. |
|  | Novelty / Uniqueness | * We are using cloud services like IBM Watson IOT platform, node –RED, cloudant DB , web UI and python. |
|  | Social Impact / Customer Satisfaction | * Avoid large scale hazards in industries and save environment & people |
|  | Business Model (Revenue Model) | * Sell BLE beacons with indoor positions in service are build in indoor position is service as service |
|  | Scalability of the Solution | * Each solution is tailored to suit your needs, combining Extronics’ expert knowledge of hazardous and industrial environment with the latest technology. * The majority of the solutions are developed from the ground by our experienced R&D and engineering teams. |