**Project Design Phase-I**

**Proposed Solution**

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| Date | 12 October 2022 |
| Team ID | PNT2022TMID18041 |
| Project Name | Hazardous Area Monitoring for Industrial Plant Powered by IoT |
| Maximum Marks | 2 Marks |

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Hazardous Area Monitoring for Industrial Plant Powered by IoT |
|  | Idea / Solution description | * Using a variety of sensor, the environmental parameters such as temperature, humidity can be monitored * If the conditions exceeds safety limits, message is sent to users sms. |
|  | Novelty / Uniqueness | * Device being developed can monitor a wide range temperature and accurate humidity measurements. * Apart from notifying the user, an alert can be made in the hazardous area. * Reduces unwanted manpower. |
|  | Social Impact / Customer Satisfaction | * As the device is small, it is easy to install them in various locations based on necessity. |
|  | Business Model (Revenue Model) | * Device can be obtained by paying for the IBM clou/Watson subscription. * It can be yearly or monthly. * Based on the term of subscription 5 – 8% discount shall be made available. |
|  | Scalability of the Solution | * In future additional attributes like radiation can be included for safety measurements to expand industrial coverage. |