

Project Design Phase-I Proposed Solution Template

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| Date | 24-09-2022 |
| Team ID | PNT2022TMID08189 |
| Project Name | Hazardous area monitoring for industrial plant powered by IoT |
| Maximum Marks | |

Proposed Solution:

The main aim is to develop a system for peoples working in hazardous area using wireless sensor networks with low power consumption, low-cost and high detection of any Hazardous. Following are the aims of idea implementation.

| S.No | Parameter | Description |
|------|---|--|
| 1 | Problem statement (problem to be solved) | Continuous monitoring of Hazardous Area |
| 2 | Idea / Solution description | Not only monitoring, it includes real intimation to authorised one and some self-protection system. |
| 3 | Novelty / Uniqueness | solve the problem at the beginning by using some external sensors. |
| 4 | Social Impact / Customer Satisfaction | Avoid large scale hazards in industries and saves the environment and people. |
| 5 | Business Model (financial Benefit) | We can bring this device for continuous monitoring and work as a defender to the problem. |
| 6 | Scalability of Solution | The technology can automatically monitor fire, toxic gas. This method is very adaptable. This system may be used to monitor any hazardous or natural disaster. |