

Project Design Phase-I
Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID22125 |
| Project Name | Gas leakage monitoring and alerting system |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

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

| S.No. | Parameter | Description |
|-------|--|---|
| 1. | Problem Statement (Problem to be solved) | To detect the gas leak and send the necessary alarm signal to the user. |
| 2. | Idea / Solution description | System can notify the user if excess amount of harmful gases are released in the environment. |
| 3. | Novelty / Uniqueness | Alarm as a warning condition when the concentration exceeds the safe concentration. |
| 4. | Social Impact / Customer Satisfaction | The responses are very timely. Gas sensor system performs in an extended service on attending the fault in any - Satisfied and Safe |
| 5. | Business Model (Revenue Model) | As the performance level of sensors increases the budget of the project will also increases. |
| 6. | Scalability of the Solution | The sensor-enabled solution helps prevent the high risk of gas explosions and affecting any casualties within and outside the premises. High gas exposure will change the calibration curve of the sensors causing false or inaccurate readings |