

**Project Design Phase-I**  
**Proposed Solution**

|               |  |
|---------------|--|
| Date          | 19 September 2022                                    |
| Team ID       | PNT2022TMID20041                                     |
| Project Name  | Project - 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) | House fire accidents had taken growing lives and property in recent years. Most of the fire accidents occurred because of the poor quality of rubber tube in gas cylinders. The gas supply from regulator to the burner may be on even the regulator is in off condition. |
| 2.    | Idea / Solution description              | For this leaking of gas there is a solution available i.e., Gas leakage monitoring And Alerting System which makes alarm sound, opening windows automatically and send notification to the user.  |
| 3.    | Novelty / Uniqueness                     | Providing SMS to the authorized person and opening the windows automatically to send some amount of gas to outside and indicating danger with LEDs.   |
| 4.    | Social Impact / Customer Satisfaction    | This will impact in saving the lives of humans and their property from danger. This system makes people to feel safe and secured through SMS option and alarm sound for safe side it opens the windows.   |
| 5.    | Business Model (Revenue Model)           | This will help in live tracking the gas leakage by send the notifications and displaying in LCD display. This leads to low cost product and also more reliable.   |
| 6.    | Scalability of the Solution              | This is continuous tracking of gas safety and displaying the gas leakage in LCD display continuously. This system have better scope at present and future.  |

