**Project Design Phase-1**

**Proposed Solution Template**

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| **Date** | 24 September 2022 |
| **Team ID** | PNT2022TMID51469 |
| **Project name** | Gas Leakage Monitoring &Alerting System For Industries |
| **Maximum marks** | 2 Marks |

**Proposed Solution Template:**

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

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| **S.No** | **Parameter** | **Description** |
| 1. | Problem statement | * To detect the gas leakage and stop them |
| 2. | Idea/Solution description | * Buzzer gives an audible sign of the presence of LPG volume. The sensors are widely used to detect essence of propane, iso-butane, LPG and even smoke. * Arduino UNO is used in the project; low signals are overlooked by the Arduino and gas leakage is been noticed by the Arduino. The Arduino UNO turns on the LCD and buzzer. |
| 3. | Novelty/Uniqueness | * Arduino UNO; MQ2 Gas Sensor; GSM Modem; LCD; Buzzer. |
| 4. | Social impact/Customer satisfaction | * Add great value in terms of security to industries. |
| 5. | Business model(Revenue model) | * Will be great business to the industries who prefer high security. |
| 6. | Scalability of the solution | * Will be solution and alerting workers and save the workers by alerting sensors. |