

Project Design Phase-I
Proposed Solution

| | |
|---------------|--|
| Date | 27 September 2022 |
| Project Name | Project - Gas Leakage Monitoring and Alerting System |
| Maximum Marks | 2 Marks |

| S.No. | Parameter | Description |
|-------|---|---|
| 1. | Problem Statement (Problem to be solved) | <ul style="list-style-type: none">○ Gas Leakage Monitoring and Alerting System. |
| 2. | Idea / Solution description | <ul style="list-style-type: none">○ Using a variety of sensor, the environmental parameters such as concentration of the gas can be monitored in real time○ If the concentration of gas reaches hazardous level an alert message can be sent to the user. |
| 3. | Novelty / Uniqueness | <ul style="list-style-type: none">○ Device being developed can monitor a wide range of gases that are highly used in industries.○ Apart from notifying the user, Safety personnel are also notified in case of emergencies.○ User friendly in nature. |
| 4. | Social Impact / Customer Satisfaction | <ul style="list-style-type: none">○ As the device is small, it is easy to install them in various locations based on necessity. |
| 5. | Business Model (Revenue Model) | <ul style="list-style-type: none">○ Device can be obtained by paying for the subscription.○ It can be yearly or monthly.○ Based on the term of subscription 5 – 8% discount shall be made available. |
| 6. | Scalability of the Solution | <ul style="list-style-type: none">○ In future more variety of gas can also be monitored, by adding the necessary sensor and monitoring the data obtained from it. |