**Project Design Phase-I**

**Proposed Solution**

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

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Gas Leakage Monitoring and Alerting System. |
|  | Idea / Solution description | * 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. |
|  | Novelty / Uniqueness | * 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. |
|  | Social Impact / Customer Satisfaction | * As the device is small, it is easy to install them in various locations based on necessity. |
|  | Business Model (Revenue Model) | * 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. |
|  | Scalability of the Solution | * In future more variety of gas can also be monitored, by adding the necessary sensor and monitoring the data obtained from it. |