Project Design Phase-I Proposed Solution

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| Date | 19October 2022 |
| Team ID | PNT2022TMID13705 |
| Project Name | Gas Leakage Monitoring and Alerting System |
| Maximum Marks | 2 Marks |

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| **S.No** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | o Gas Leakage Monitoring and Alerting System. |
| 2. | 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. |
| 3. | 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. |
| 4. | Social Impact / Customer Satisfaction | o As the device is small, it is easy to install them in various locations based on necessity. |
| 5. | 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. |
| 6. | Scalability of the Solution | o In future more variety of gas can also be monitored, by adding the necessary sensor and  monitoring the data obtained from it. |