Project Design Phase-I Proposed Solution

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| Date | 14/11/ 2022 |
| Team ID | PNT2022TMID48655 |
| Project Name | Project – Gas Leakage Monitoring and Alerting System |
| Maximum Marks | 2 Marks |

**Proposed Solution :**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be  solved) | The fire accidents are the major cause for the deaths occurring across the  globe. The major cause for these fire accidents is due to LPG gas leakage  in the households, hotels and major restaurants.  Hence to overcome the accidents we are proposing a device which takes  the advantage in this and produce exceptional results. |
| 2. | Idea / Solution description | The proposed model for gas leakage detection and alerting system provides high standard security  measure for the consumers and households who use the LPG for the edible and drinking purpose.  Indicates the people of danger in work place, factory, home. Buzzer activity with beep(siren)  Sound.  Also send alert SMS to the incharge whose number is saved in SIM card by using GSM  Also close the knob automatically. |
| 3. | Novelty / Uniqueness | In Existing system, it only alert the people when gas is leaked but our proposed system send the alert message through mobile and close the cylinder knob automatically by itself. |
| 4. | Social Impact / Customer Satisfaction | Industry workers and householders are protect themselves from the gas explosion. and can avoid the accidents. |
| 5. | Business Model (Revenue Model) | This system is designed based on the requested customization of the user. persistence market research expects the global gas leak detectors market to expand at over 5% CAGR through 2031. |
| 6. | Scalability of the Solution | \* This project helps the industries in monitoring the emission of harmful gases.  \* If in any area gas leakage is detected the admins will be notified along with the location |