**Project Design Phase-I**

**Proposed Solution**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID21384 |
| Project Name | Gas Leakage monitoring & Alerting system for Industries |
| Project TEAM members | 19D114 – ARIKARASHRI. K  19D127 – NITHISH KUMAR. M  19D129 – RANJITH KUMAR. P  19D130 – RUTHRAM. M  19D135 – UDHAYAKUMAR. U |

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**Proposed Solution :**

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Detects the gas level in the atmosphere continuously, * If normal in gas level, green indication, one any high gas level then follows. |
|  | Idea / Solution description | * Simultaneously automatically turns on the DC fan to ventilate the leaked gas, and the source solenoid valve will be turns off |
|  | Novelty / Uniqueness | * Signal from microcontroller activates the GSM module and sends an alert SMS “ALERT GAS LEAKING” to the user’s mobile number. |
|  | Social Impact / Customer Satisfaction | * Expecting more reliability and to precise detection operation. |
|  | Scalability of the Solution | * To construct a device that protects the people by avoiding explosions due to gas leakage. * The device must be cost effective and user friendly. * That alert the peoples when there is a gas leak (LPG/PNG). |