**Project Design Phase-I**

**Proposed Solution**

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| Date | 17 October 2022 |
| Team ID | PNT2022TMID38288 |
| Project Name | Gas leakage monitoring and alerting system for industries |
| Maximum Marks | 4 |

**Proposed Solution:**

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| **S. No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Develop a system to detect gas leakage and alert the users |
|  | Idea / Solution description | * This system can monitor harmful gases and alert the workers by sound * If in any area gas leakage is detected the admins will be notified along with the location * In the web application, admins can view the sensor parameters. |
|  | Novelty / Uniqueness | * Alert Quickly * Easy to handle |
|  | Social Impact / Customer Satisfaction | * Long Lasting with low cost * Easy installation and provide efficient results * Does not affect the lives |
|  | Business Model (Revenue Model) | * The product is advertised all over the platforms. Since it is economical, even helps small scale industries from disasters. * As the product usage can be understood by everyone, it is easy for them to use it properly for their safest organization |
|  | Scalability of the Solution | * Since the product cost is low, it can be easily placed in the industries and houses. * Even when the gas leakage is more, the product sense the accurate values and alerts the workers effectively |