**Project Design Phase-I**

**Proposed Solution**

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID38324 |
| 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) | * Create a system to identify gas leaks and notify users. |
|  | Idea / Solution description | * This technology can detect dangerous gases and trigger an alarm to notify workers. * Administrators can view the sensor parameters on the web application. * If a gas leak is discovered in any region, the administrators will be alerted along with the location. |
| 1. s | Novelty / Uniqueness | * Alert right away * Simple to handle * Environmental usage |
|  | Social Impact / Customer Satisfaction | * Affordable and long-lasting * Does not impact people's lives * Simple installation and yield effective results |
|  | Business Model (Revenue Model) | * The item is heavily promoted across all mediums. Due to its affordability, it even protects small-scale companies against disasters. * Since everyone can understand how to utilise the product, it is simple for them to do so for their safest organisation. |
|  | Scalability of the Solution | * Even when there is a greater gas leak, the product detects precise readings and successfully warns the workers. * Since the product's cost is inexpensive, both businesses and homes can readily use it. |