**Project Design Phase-I**

**Proposed Solution**

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| Date | 11 October 2022 |
| Team ID | PNT2022TMID51029 |
| Project Name | Gas Leakage Monitoring and Alerting System |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Workers in busy businesses that use gas—whether it's harmful or not—need a mechanism to continuously check their gas pipelines.Find any gas leaks in their system as soon as possible.Environment that will allow them to work effectively on big disasters as opposed to being concerned with monitoring  a gas leak, this will in fact lessen the human resources of the sector and foster a  environment. |
|  | Idea / Solution description | Workers in busy industries that use gas, either dangerous or innocuous, require a mechanism to continuously check their gas pipelines.Detect any gas leaks in their systems as soon as possible so that they can operate productively on rather than stressing about monitoring, significant crises or gas leakage, this will lower the build a tranquil environment by using the industry's personnel environment. |
|  | Novelty / Uniqueness | Despite the number of rational individuals to this issue, none have been able to meet client demands. Some methods only detect certain gases, while others fail to notify the primary department, and yet others experience delays. Our system will inform the workers even if there is a little gas leak, notifying the industry person as well as the fire fighters so they can take care of the issue. |
|  | Social Impact / Customer Satisfaction | For the staff and the community who surrounds or are affiliated with the industry, our solution will be highly beneficial. Our method will stop major catastrophes like the Bhopal Gas Tragedy, saving countless lives. The goal of this initiative is to relieve the workers' mental strain so they may relax or focus on other tasks. |
|  | Business Model (Revenue Model) | Since industries are the primary audience for our solution, we have scheduled visits to inform them of the advantages of our products.In order for them to understand the significance of this solution and implement it. |
|  | Scalability of the Solution | Because the solution we've provided will be the foundation or first stage of any improved version, it can be integrated for additional future use. |