Project Design Phase-I Proposed Solution

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| Date | 15 October 2022 |
| Team ID | PNT2022TMID12343 |
| Project Name | Project – IoT Based Gas Leakage Monitoring and Alerting System for Industries. |
| Maximum Marks | 2 Marks |

**Proposed Solution :**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | The leakage of gases only can be detected by human nearby and if there are no human nearby, it cannot be detected. Thus, this system will help to detect the presence of gas leakage. |
| 2. | Idea / Solution description | Monitoring leakage of gas by using Node-Red and alerting by sending messages. |
| 3. | Novelty / Uniqueness | Gas detection for industrial purpose using single system. |
| 4. | Social Impact / Customer Satisfaction | Reduces gas leakage incident and prevents loss of capital and casualities. |
| 5. | Business Model (Revenue Model) | Sell sensor products,software as a service model with government & large communities. |
| 6. | Scalability of the Solution | The process of operating this Model is easy. |