Project Design Phase-I Proposed Solution

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| Date | 30 October 2022 |
| Team ID | PNT2022TMID21389 |
| Project Name | IoT Based Gas Leakage Monitoring and Alerting System for Industries. |
| Maximum Marks | 2 Marks |

**Proposed Solution**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | The leakage of gas leads to major**fire accidents** which lead to heavy damage  inside the industry as well as the loss of  human beings. It is feasible to detect the gas leakage before any disaster happened. So, industries need a very efficient gas leakage detection system. |
| 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 causalities. |
| 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 and more accurate results. |