

Project Design Phase-I Proposed Solution Template

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| Date | 8 th November 2022 |
| Team ID | PNT2022TMID05192 |
| Project Name | GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES |
| Maximum Marks | 2 Marks |

Proposed Solution :

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | <ul style="list-style-type: none"> ➤ Develop an efficient system & an application that can monitor and alert the users(workers) |
| 2. | Idea / Solution description | <ul style="list-style-type: none"> ➤ This product helps the industries in monitoring the emission of harmful gases ➤ In several areas, the gas sensors will be integrated to monitor the gas leakage ➤ 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. |
| 3. | Novelty / Uniqueness | <ul style="list-style-type: none"> ➤ Fastest alerts to the workers ➤ User friendly |
| 4. | Social Impact / Customer Satisfaction | <ul style="list-style-type: none"> ➤ Cost efficient ➤ Easy installation and provide efficient results ➤ Can work with irrespective of fear |
| 5. | Business Model (Revenue Model) | <ul style="list-style-type: none"> ➤ 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. |
| 6. | Scalability of the Solution | <ul style="list-style-type: none"> ➤ Since the product is cost efficient, it can be placed in many places in the industries. ➤ Even when the gas leakage is more, the product sense the accurate values and alerts the workers effectively. |