

**Project Design Phase-I**  
**Proposed Solution**

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|---------------|---|
| Date          | 15 NOVEMBER 2022  |
| Team ID       | PNT2022TMID25221  |
| Project Name  | Gas leakage monitoring and alerting system for industries |
| Maximum Marks | 2 Marks   |

**Proposed Solution:**

| S.no | Parameter                                | Description  |
|------|--|--|
| 1.   | Problem Statement (Problem to be solved) | ➤ Develop an efficient system & an application that can monitor and alert the users(workers)   |
| 2.   | Idea / Solution description              | ➤ This product helps the industries in monitoring the emission of harmful gases<br>➤ In several areas, the gas sensors will be integrated to monitor the gas leakage<br>➤ If in any area gas leakage is detected the admins will be notified along with the location<br>➤ In the web application, admins can view the sensor parameters. |
| 3.   | Novelty / Uniqueness                     | ➤ Fastest alerts to the workers<br>➤ User friendly   |
| 4.   | Social Impact / Customer Satisfaction    | ➤ Cost efficient<br>➤ Easy installation and provide efficient results<br>➤ Can work with irrespective of fear  |
| 5.   | Business Model (Revenue Model)           | ➤ The product is advertised all over the platforms. Since it is economical, even helps small scale industries from disasters.<br>➤ 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              | ➤ Since the product is cost efficient, it can be placed in many places in the industries.<br>➤ Even when the gas leakage is more, the product sense the accurate values and alerts the workers effectively   |