

Project Design Phase-I
Proposed Solution Template

| | |
|---------------|---|
| Date | 24 September 2022 |
| Project Name | HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT POWERED BY IOT |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

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

| S.No. | Parameter | Description |
|-------|--|--|
| 1. | Problem Statement (Problem to be solved) | Working environment hazards includes suffocation, gas explosion and gas poisoning. Hence air quality and hazardous is an important factor in industry. |
| 2. | Idea / Solution description | A smart Beacon device can be integrated for monitoring real time situation of working environment from monitoring station |
| 3. | Novelty / Uniqueness | An alert button is used at base station so that control room can directly convey the emergency message to the workers. |
| 4. | Social Impact / Customer Satisfaction | Reducing the risk of failure Improving efficiency in industries Keeping the working environment safer |
| 5. | Business Model (Revenue Model) | Work intensity Integrated features of each hardware component for its development. |
| 6. | Scalability of the Solution | Cost effective Reliable Simple & easy. |