

Project Design Phase-I
Proposed Solution
Template

Date	10 October 2022
Team ID	PNT2022TMID19670
Project Name	Project – 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)	Industrial plants are the ones that contain both hazardous and non-hazardous areas. The damage that occurs in hazardous areas can result in the loss of property or lives. So monitoring of such areas using IoT(Internet of Things) can help in easy monitoring of the hazardous areas. There can be smart devices integrated at the hazardous areas that can help in detecting any fishy things that can occur in the particular area.
2.	Idea / Solution description	To track the industrial area continuously and monitor them on a daily basis in the form of web application. Users can get an analysis in graphical form.
3.	Novelty / Uniqueness	Users can categorize their areas according to the dangers into various Groups. When an area is in need of rapid attention during an emergency, the system instantly notifies the entire area by giving alert signals
4.	Social Impact / Customer Satisfaction	Reduces Time consumption. Prioritizes the safety of workers by alerting them immediately
5.	Business Model (Revenue Model)	The application is available on subscription basis.
6.	Scalability of the Solution	Even if the danger is to a greater extent the alert signals will be given on time. Performance and speed remains unaffected