Project Design Phase-I
Proposed Solution Template

Date	1 November 2022
Team ID	PNT2022TMID48761
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)	Industrial plans are the one that contain both hazardous and non-hazardous area .The monitoring of the hazardous area in industrial plants in important from time to time.If the damage that occurs in hazardous areas can result in the loss of property or lives.So monitoring for Industrial plants is a project that focuses on the necessity of the monitoring of hazardous area in industrial plants .There can be smart devices integrated at the hazardous area that can help in detecting any fishy things that can occur in the particular area.The software needs to monitor the temperature parameters of the hazardous area in industrial plants.
2.	Idea / Solution description	In industrial areas fire accidents can be prevented by fire detection using temperature and gas sensors. Harmful or toxic gas leakages can identified. By the use of wireless technology, information from these sensors can be broadcasted to the particular individual. Alert message are sent via an application and buzzer sound is enabled.
3.	Novelty / Uniqueness	The uniqueness of our application we will get live updates of temperature,humidty and radiation in and around the workers environment using IoT
4.	Social Impact / Customer Satisfaction	This application has a powerful impact not only on the people but also on the environment.By using this application ,individuals are alerted incase of danger or threat.Thereby environment as well as thousands of life can be saved which inturn causes contentment.
5.	Business Model (Revenue Model)	We can introduce product-based approch to earn a good revenue.The more number of features attracts the end users to use our application

6.	Scalability of the Solution	This is very much reliable as it monitors continuos and sends real time analysis of the particular area. Also it provides hands on solution to the problem.