

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID B5-5MIE
Project Name	Hazardous Area Monitoring for Industrial plant powered by IoT.
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In some industrial plants, there are the areas where the temperature is to be monitored time to time. Sometimes the condition may become critical that lead to property loss and also human loss. It is difficult for the industrial people to manage all these in manual form, hence we propose an automatic industrial area monitoring system.
2.	Idea / Solution description	Every person in industrial areas is given a wearable device, and smart beacon devices will be integrated in all areas. These devices display the current temperature in each area, and if it rises above a certain point, they send an SMS to everyone nearby by scanning their wearable devices using Bluetooth. Additionally, the beacon gadget continually feeds data to the cloud so that the administrator may respond appropriately.
3.	Novelty / Uniqueness	The proposed model has unique capability to warn the industrial people by using beacon and wearable device and alerting them in a manner where the people and environment is prevented early from any unwanted happening.
4.	Social Impact / Customer Satisfaction	This model provides both the safety precaution and immediate indication using a simple wearable device, so its impact in the society is good and worth.
5.	Business Model (Revenue Model)	This product is developed and distributed to every industry worker so It is sold as a group which makes more demand for the product and provides profit for the seller.
6.	Scalability of the Solution	The proposed model is supportable to upgrade according to the need of the people and industry. So, its demand and revenue grow time to time.