## **Project Design Phase-I**

## **Problem – Solution Fit**

Date	11 October, 2022
Team ID	PNT2022TMID00340
Project Name	Hazardous Area Monitoring for Industrial Plants Powered by IoT
Maximum Marks	2 Marks

## **Problem – Solution Fit Template:**

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why.

_			
Dii	rn	os	$\sim$
гu	ıu	ws	┖.

Understand the existing situation in order to improve it for your target group.
trust by solving frequent annoyances, or urgent or costly problems.
Increase touch-points with your company by finding the right problem-behavior fit and building
Sharpen your communication and marketing strategy with the right triggers and messaging.
channels of behavior.
Succeed faster and increase your solution adoption by tapping into existing mediums and
Solve complex problems in a way that fits the state of your customers.

## Template:

Project Title: Hazardous Area Monitoring for Industrial Plants Powered by IoT Project Design Phase-I - Solution Fit Template Team ID: PNT2022TMID00340 1. CUSTOMER SEGMENT(S) 6. CUSTOMER CONSTRAINTS 5. AVAILABLE SOLUTIONS Explore AS, differentiate Define CS, Dangerous-to-access locations are Collection of data for Industrial plant Safety departments in large-scale and smallmonitored remotely to avoid risk of monitoring is a costly affair. scale Industrial plants will have to acquire this human life using remote sensors Deployment of huge number of product for the personnel working in the Cloud connectivity enables real-time sensors is difficult. industrial plants which enclose hazardous areas. fit into CC monitoring of equipment in hazardous Range of sensors may not cover all areas. necessary areas. Pros: No risk of human life. Real-time monitoring is made feasible. Cons: Maintenance of remote sensors may be Storage of large amounts of data in cloud is a costly affair 2. JOBS-TO-BE-DONE/PROBLEMS J&P 9. PROBLEM ROOT CAUSE RC BE 7. BEHAVIOUR Find the best hazardous area Main objective: To continuously monitor Exposure to hazardous substances monitoring system which would the critical parameters to prevent any leads to adverse health effects in the monitor all the necessary mishaps. personnel working in industrial plants. parameters as per their To alert the user when exposure to hazardous substances exceed critical Other cause would be lack of requirement. knowledge of personnel on how to Maintains the database in cloud of Dangerous-to-access locations are handle elements in a hazardous area. all measured values to locate monitored remotely to avoid risk of points of weakness inside the human life. plants. Use proper communication channels to send alerts to the

