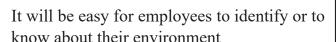
Project Title: Hazardous Area Monitoring for Industrial Plant powered by IoT

Project Design Phase-I Team ID: PNT2022TMID20612

1. CUSTOMER SEGMENT(S)	6. CUSTOMER CONSTRAINTS CC	5. AVAILABLE SOLUTIONS Smart area monitoring sensors	
Employees who monitor hazardous area in industrial plants	Smart beacon coverage area Network access for beacon Beacon to watch connectivity	Wifi connectivity for sensors Pros: Successful monitoring of area Cons: Network coverage for sensors can't be reached	
2. JOBS-TO-BE-DONE / PROBLEMS J&P	9. PROBLEM ROOT CAUSE RC	7. BEHAVIOUR BE	
To check and alert the humidity, Temperature Infrared radiation	It is important to note the employees safty. Working in hazardous area in industries are highly risk. Therefore, this project helps employee to know about their environment.	The employees have a wearable watch where they can see the required or specified details and act saftly according to it	

Successful execution of our solution will make even other industry to implement this solution

4. EMOTIONS: BEFORE / AFTER



EM

10. YOUR SOLUTION

We are going to monitor the area using suitable sensors in the beacons. We will connect our wearable to the beacons.

We will send updates to online cloud from the beacon. From the cloud we will be accessing the reading and using that we will have a web page and a mobile application to display them. We will have sms service to alert abnormal readings

8. CHANNELS of BEHAVIOUR CH

ONLINE

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All the informations will be stored in cloud. so the employees can see the cloud storage or mobile application for referring the details of surroundings.

OFFLINE

Employees used to wear a watch which captures the information of the surroundings.