Project design phase -1

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

Team id:PNT2022TMID49366

Define CS, fit into CC	1.Customer Segment (S) CS Employess who monitor hazardous area in industrial plants	5. Available solutions AS Smart area monitoring sensors wifi connectivity for sensors Pros: Successful monitoring of area Cons: Network coverage for sensors can;t be reached	6.Customer Constraints CC Smart beacon coverage area Network access for beacon . Beacon to watch connectivity .	Explore AS, differential
Focus on J&P, tap into BE, understand RC	2. Jobs to be done / Problems J&P To check and alert the humidity, Temperature, Infrared radiation and Air quality	7. Behaviour BE The employees have a wearable watch where the can see the required or specified details and act saftly according to it	8. Channels of Behaviour CH 8.1 ONLINE All the informations will be stored in cloud. so the employees can see the cloud storage or mobile application for referring the deatils of surroundings. 8.2 OFFLINE Employees used to wear a watch which captures the informations of the surroundings.	Focus on j&P,tap into BE, Understand RC
Identify strong TR & EM	3.Triggers TR Successful execution of our solution will make even other industry to implement this solution.	9. Problem root cause RC It's 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 .	10. Your Solution SL 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 beacons. From the cloud we will be accessing the raading and using that we will have a web page and a mobile application to display them. We will have sms serice to alert abnormal readings.	Identify strong TR & EM
	4. Emotions: Before/After EM It will be easy for employees to identify or to know about their environment			