

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

Project Design Phase-I Team ID: PNT2022TMID20612

Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S)<div>CS</div></div> <div>Employees who monitor hazardous area in industrial plants</div>	<div>6. CUSTOMER CONSTRAINTS<div>CC</div></div> <div>Smart beacon coverage area Network access for beacon Beacon to watch connectivity</div>	<div>5. AVAILABLE SOLUTIONS<div>AS</div></div> <div>Smart area monitoring sensors Wifi connectivity for sensors Pros: Successful monitoring of area Cons: Network coverage for sensors can't be reached</div>	Explore AS, differentiat
Focus on J&P, tap into BE, understand RC	<div>2. JOBS-TO-BE-DONE / PROBLEMS<div>J&P</div></div> <div>To check and alert the humidity, Temperature,Infrared radiation and Air quality</div>	<div>9. PROBLEM ROOT CAUSE<div>RC</div></div> <div>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.</div>	<div>7. BEHAVIOUR<div>BE</div></div> <div>The employees have a wearable watch where they can see the required or specified details and act saftly according to it</div>	Focus on J&P, tap into BE, understand RC

Identify strong TR & EM	<p>3. TRIGGERS TR</p> <p>Successful execution of our solution will make even other industry to implement this solution</p>	<p>10. YOUR SOLUTION SL</p> <p>We are going to monitor the area using suitable sensors in the beacons. We will connect our wearable to the beacons.</p> <p>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</p>	<p>8. CHANNELS of BEHAVIOUR CH</p> <p>ONLINE</p> <p>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.</p> <p>OFFLINE</p> <p>Employees used to wear a watch which captures the information of the surroundings.</p>	Identify strong TR & EM
	<p>4. EMOTIONS: BEFORE / AFTER EM</p> <p>It will be easy for employees to identify or to know about their environment</p>			

