

**Project Design Phase-I Problem
– Solution Fit Template**

Date	09 October 2022
Team ID	PNT2022TMID24190
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT
Maximum Marks	2 Marks

Problem – Solution Fit:

Define CS, fit into CC	<p align="right">CS</p> <p>3. CUSTOMER SEGMENT(S)</p> <p>Companies who are constructed in hazardous areas</p>	<p align="right">CC</p> <p>6. CUSTOMER CONSTRAINTS</p> <ul style="list-style-type: none"> ● Spending power ● Continuous monitoring ● Immediate actions 	<p align="right">AS</p> <p>5. AVAILABLE</p> <p>Once they find out there is a disaster going to happen , the information does not spread among the workers effectively . It may save lives but not completely</p>	Explore AS, differentiate

Focus on J&P, tap into BE, understand RC	<p align="right">J&P</p> <p>4. JOBS-TO-BE-DONE / PROBLEMS</p> <p>Avoiding disaster death caused by working environment</p>	<p align="right">RC</p> <p>10. PROBLEM ROOT CAUSE</p> <p>Explosions or sudden temperate rise and overheating malfunctioning of equipment's .</p>	<p align="right">BE</p> <p>7. BEHAVIOUR</p> <p>Once there is a temperature rise it will immediately act . Then the precautions must be taken immediately.</p>	Focus on J&P, tap into BE, understand RC

3. TRIGGERS	10. YOUR SOLUTION	8. CHANNELS of
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	<p>A device which will continuously monitor the workers body temperature and environment temperature makes them feel safe and taken cared.</p>	<p>This problem can be overcome by using IoT. By implementing IoT, We are able to monitor the surroundings of the workers as well as their body condition.</p>	<p>BEHAVIOUR</p> <p>8.1 ONLINE</p> <p>Their is a temperature values are continuously verified and stored in cloud.</p> <p>8.2 OFFLINE</p>
Identify strong TR & EM	<p>4. EMOTIONS: BEFORE / AFTER</p> <p>They feel unsafe before the installation; Once they got monitored they will safe and someone is taken care over us.</p>		<p>They are provided with a wearable device to wear while working .</p>

