

## Project Design Phase-I - Solution Fit

### Problem solution fit

TEAM ID	PNT2022TMID21836
PROJECT TITLE	Industry-specific Intelligent Fire Management System

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) <ul style="list-style-type: none"><li>• Business owner</li><li>• Worker</li></ul>	6. CUSTOMER CONSTRAINTS <ul style="list-style-type: none"><li>• Well monitoring system</li><li>• Reasonable cost</li><li>• Accuracy of the system</li></ul>	5. AVAILABLE SOLUTIONS <ul style="list-style-type: none"><li>• Fire detection and alarm system</li><li>• Fire extinguishers</li><li>• Smoke removal and ventilation system</li></ul>	Explore AS, differentiate

Identify strong TR & EM Focus on J&P, tap into BE, understand RC	2. PROBLEMS <ul style="list-style-type: none"><li>• Find a fire management system because the available solution is costly not have smart capabilities</li><li>• They are not created using IoT technology in mind or scalability and efficiency</li></ul>	9. PROBLEM ROOT CAUSE <ul style="list-style-type: none"><li>• Electrical Hazard</li><li>• Equipment fault</li><li>• Human error i.e., composition of Flammable material</li></ul>	7. BEHAVIOUR <ul style="list-style-type: none"><li>• Employees could get help by using surveillance camera and buzzer alarm.</li><li>• Intimates the<ul style="list-style-type: none"><li>○ Fire station</li><li>○ Management</li><li>○ Emergency/Aid systems</li></ul></li></ul>	Focus on J&P, tap into BE, understand RC

<p><b>3. TRIGGERS</b></p> <p>For eg: If any fire accidents occur, our system will identify the type of fire accident and then gives a buzzer alert and starts sprinkling water and notifies the nearby fire stations in order to avoid major accidents</p>	<p><b>10. YOUR SOLUTION</b></p> <ul style="list-style-type: none"> <li>• Our solution to fire management is to create a fire safety system to protect the employees and machines from the major and minor damages and to notify the employees and authorities.</li> <li>• Employees will be more secure to protect themselves from fire accidents.</li> </ul>	<p><b>8. CHANNELS of BEHAVIOUR</b></p> <ul style="list-style-type: none"> <li>• Intimates the             <ul style="list-style-type: none"> <li>○ Fire station</li> <li>○ Management</li> <li>○ Emergency/Aid systems</li> </ul> </li> </ul>
<p><b>4. EMOTIONS: BEFORE / AFTER</b></p> <p>The customers would feel anxious at first and they fill the bucket with water and pour in the fire but now then the kit will automatically sprinkle the water and the buzzer on and notify all the nearby Fire stations etc.,</p>		