

## Project Design Phase-I

### Problem Solution Fit

Date	01 OCTOBER 2022
Team ID	PNT2022TMID36769
Project Name	Industry-specific intelligent fire management system
Maximum Marks	4 Marks

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Define CS, fit into CL	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> What is your customer? Industry members as well as others	<b>6. CUSTOMER LIMITATIONS</b> <span>CL</span> <small>EG. BUDGET, DEVICES</small> What are the constraints when your product is used? The customer should just click the alert message to enhance the further step to stop the fire. Proper network connection and available devices are needed.	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> <small>PLUSSES &amp; MINUSES</small> What solution can you offer to solve the problem? The customer used to call for the emergency number 101 to call the fire service team to stop the fire at that time of reporting many products in the industry gets damaged and many lives were death. Now with the use of our product the industry can sense the fire explosion and stop at the initial stage itself. So, it is quite much more easy.	Explore AS, differentiate
	<b>2. PROBLEMS / PAINS</b> <span>PR</span> <small>+ ITS FREQUENCY</small> Which problem is your customer facing? We are solving the problem of fire spread by automatically detecting the fire at the ignition stage and stop the fire spread easily using Artificial Intelligence and IOT based ideations.	<b>9. PROBLEM ROOT / CAUSE</b> <span>RC</span> What is the root of the problem from the last step? The fire causes a lot of damages in the industry. Usually when it gets fired in an industry the fire service team is called to stop the fire. But now our solution use can stop the fire without the help of fire service.	<b>7. BEHAVIOR</b> <span>BE</span> <small>+ ITS INTENSITY</small> What behavior is your customer showing? At once the message is send to the customers mobile from the sensors-controlled intelligence the customer himself can give the access to stop the fire spread on the whole.	
Focus on PR, fit into BE, understand RC	<b>3. TRIGGERS TO ACT</b> <span>TR</span> What triggers customer to act? We can ask our customer to get an experience about our product. We can insist they must need of our product.	<b>10. YOUR SOLUTION</b> <span>SL</span> If you are working on existing business write down existing solution first, fit it in the same way. We can just access the message from the IOT devices combined with sensors to stop the fire spread at the ignition stage itself. It is much easier, safe to handle.	<b>8. CHANNELS of BEHAVIOR</b> <span>CH</span> ONLINE: Extract channels from behavior block Notifications send can be accessed.	Extract online & offline CH of BE
	<b>4. EMOTIONS</b> <span>EM</span> <small>BEFORE / AFTER</small> Before: Customer is not finding a proper rid for the fire spread problem. After: Now with the help of our product the customer can easily enhance the problem.	<b>OFFLINE</b> Extract channels from behavior block and use for customer development The sensors with the help of intelligence can stop the fire spread at the initial stage itself.		