Project Design Phase-I

Problem Solution Fit

Date	16 OCTOBER 2022
Team ID	PNT2022TMID12767
Project Name	Industry-Specific Intelligent Fire Management System

1. CUSTOMER SEGMENT(S) `CS` According to our problem statement , machine in industry and surroundings	**6. CUSTOMER LIMITATIONS** `CL` Devoid of access for fire detection Lack of performance leads to inconsistency of active and passive protection systems	**5. AVAILABLE SOLUTIONS** `AS` Immediate dialing of Fire service and fire extinguisher are the available solution when the face the problem in the past.
2. PROBLEMS / PAINS `PR` Poor Consistencies To detect the harmful / inflammable gas. To notify the customers as soon as possible in case of any fire accident. Alarming System for workers incase of any fire.	**9. PROBLEM ROOT / CAUSE** `RC` This fire alert system worked exactly like it was supposed to work. A fire alarm was activated and a guard was sent to check it out.	**7. BEHAVIOR** `BE` Proper maintenance of Industrial Infrastructure. Automation of Fire Control.
3. TRIGGERS TO ACT `TR` We can ask our customer to get an experience about our product. We can insist they must need of our product. **4. EMOTIONS** BEFORE / AFTER `EM` Before: Customer is not find a proper rid for the fire spread problem. After: Now with the help of our product the customer can easily enhance problem.	**10. YOUR SOLUTION** `SL` An IOT based industry – specific, fire management system that focuses on early detection and management of false alarms and errors. Implementation of wireless technologies in transferring messages.	**8. CHANNELS of BEHAVIOR** `CH` ONLINE Call Emergency Number OFFLINE Remove the Fire burn things

Side labels: Define CS, fit into CL | Explore AS, differentiate | Focus on PR, tap into BE, understand RC | Identify strong TR & EM | Extract online & offline CH of BE