Solution Fit Template

Project Title: Industry-specific intelligent fire management system
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Define CS, fit into CC			Explore AS, differentiate

1. CUSTOMER SEGMENT(S) `CS`
- Factories, Public buildings, Schools, Offices, Hospitals, industries that are prone to fire and gas leak accidents.

5. AVAILABLE SOLUTIONS `AS`
- Sensors to detect industrial accidents.
- Buzzers to alert workers.
- Proper installation, good maintenance should be changed.

8. CHANNELS OF BEHAVIOUR `CH`

ONLINE:
Software in which emergency alarm message come should be maintained properly.

OFFINE:
- Monitoring using sensors.
- Alerting with buzzers and LCD display.

Focus on J&P, tap into BE, understand RC			Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS `J&P`
- Send alert message to customers and nearby fire stations.
- Trigger water sprinklers during fire accidents.
- Trigger exhaust fans during gas leakage.

6. CUSTOMER CONSTRAINTS `CC`
- Lack of money for frequent servicing the equipment.
- Lack of awareness.
- Requires Frequent maintenance.

9. PROBLEM ROOT CAUSE `RC`
- Presence of flammable substance in the industry and carelessness of the workers involved leads to fire accidents.

3. TRIGGERS `TR`

- Witnessing loss of life and property in the industry due to fire and gas leakage accidents.

4. EMOTIONS: BEFORE / AFTER `EM`

BEFORE:
leads to may losses in terms of financial.
AFTER:
Relieved due to immediate response to industrial accidents.

7. BEHAVIOUR `BE`

- User should do proper testing after complete Installation.
- Test temperature, gas, and flame sensors behavior once the system is installed.

10. YOUR SOLUTION `SL`

- The system employs different integrated detectors, such as heat, smoke, and flame. The signals from those detectors go through the system algorithm to check the fire's potentiality.
- Finally, the main feature of the system is to minimize false alarms, which, in turn, makes this system more reliable.
- To get real-life data without putting human lives in danger, an IoT technology has been implemented to provide the fire department with the necessary data.