Project Design Phase-I - Solution Fit

Team ID: PNT2022TMID29941
Project Title: INDUSTRY SPECIFIC-INTELLIGENT FIRE MANAGEMENT SYSTEM

Define CS, fit into CC

1. CUSTOMER SEGMENT(S)   `CS`

Industry people-Industries would be using this intelligent Fire Management system for warning the fire accidents

6. CUSTOMER CONSTRAINTS   `CC`

All industry workers need to have a smart devices(smart phone) and also must have connected network.

5. AVAILABLE SOLUTIONS   `AS`

In the prior systems, the main objectives is to switch on the alarms and sprinklers if the environmental readings from the sensors cross the pre-determined threshold. If the admin wants to know about the status he/she needs to log in to cloud.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS   `J&P`

Fire Management system for industries which is to be designed using IOT and cloud.

9. PROBLEM ROOT CAUSE   `RC`

If there is a sudden outbreak of fire accidents in industry, they cannot predict the current situation before they arise. It may lead to loss of life and property. So, this is the main reason for the designing of this solution.

7. BEHAVIOUR   `BE`

The industry workers need to check the web app periodically and if there is any fire accident they will get alert message. So, that they can take mandatory actions.

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

3. TRIGGERS   `TR`

When industries decide ti protect their life and products from destruction due to sudden fire accidents, they would be triggered to buy this designed IOT solution.

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10. YOUR SOLUTION   `SL`

The smart fire management system includes a Gas sensors and temperature sensors to detect the current environmental parameters and to know any deviations from the pre-determined threshold.

8. CHANNELS of BEHAVIOUR   `CH`

8.1 ONLINE

If there are any fire accidents, they can get alert message from web app.

8.2 OFFLINE

Remove the fire burn things

4. EMOTIONS: BEFORE / AFTER   EM

BEFORE:
    Detection of fire.
AFTER:
    To secure the objects or things