Project Design Phase-I - Solution Fit Template

Project Title: Natural Disaster Intensity Analysis and Classification using Artificial Intelligence

Project ID:PNT2022TMID40422

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

- People who are facing natural disasters frequently like former, fisher, normal people, constructors.

6. CUSTOMER CONSTRAINTS CC

- First of all, they should have to fix the camera on their house, buildings and ships, which capture the video of natural disasters. Using that video we can detect the natural disaster and the intensity of the disaster.

5. AVAILABLE SOLUTIONS AS

- Reducing pollutant emission
- Raising awareness about potential hazards and how to address them
- Educate the public about how to properly prepare for different types of disaster

Explore AS, differentiate

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

- Loss of utilities like electricity and water
- Property damage
- Soil erosion, climate change
- Deforestation
- Hazardous waste

9. PROBLEM ROOT CAUSE RC

- Climate change is the main root cause for natural disasters.
- Soil erosion, loss of life, collapsed buildings are occurs due to the disasters like flood, cyclone, earthquake.

7. BEHAVIOUR BE

- Have the good quality camera
- Have the good internet connection
- Check the camera regularly

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

Identify strong TR & EM	**3. TRIGGERS** • Government needs to provide a Rescue services • People always need to be aware about particular disasters intensity level, then can prevent themselves from most hazardous disasters.	**10. YOUR SOLUTION** • Developing an AI model for detect and analysis the intensity of natural disasters. Using the data set collected from the previous disaster.	**8. CHANNELS OF BEHAVIOUR** **8.1 ONLINE** • To get the Videos and images from the camera to the application. **8.2 OFFLINE** • Checking the camera regularly	Identify strong TR & EM
	4. EMOTIONS: BEFORE / AFTER **BEFORE:** Difficulty to detect and analyze the disasters and intensity level of such disasters, difficulty to aware about disasters in early stage. **AFTER:** Any type of disasters and their intensity level can easily detect and analyzed, providing awareness to people in earlier stage of disasters.			