

Project Design Phase-I

Problem-Solution Fit

Date	01-10-2022
Team ID	PNT2022TMID39414
Project Name	Natural disaster intensity analysis and classification using Artificial Intelligence

PROBLEM-SOLUTION FIT:

Customer: Farmer	Customer state Limitation: Lack of power supply and communication	Available solution: Information about the cyclone is published on news It informs the people about the cyclone but it fails to <u>tell</u> about the intensity of cyclone.
Problems/pain: Farmers doesn't know how the intensity of cyclone affect the crops (frequently occurs based on climatic condition)	Root: Caused by the rising of warm air above the surface of sea and also due to atmosphere instability	Behavior: Directly related: destroy of crops Indirectly related: it affects the financial status of the family (this action occurs frequently)
Triggers to act: by seeing the neighboring farmers we cut the drainage ditch at the end of each crop row Emotion: Fear, Frustration, Resentment /feeling relieved	Your Solution: We will develop an app that gives the intensity of cyclone and how much impact it causes	Channels of behavior: Online: Ignore the rumors and believe in the original information Offline: Farmers coped with the cyclone by replanting crop fields