Project Design Phase-I
Proposed Solution Fit

Date	01 October 2022
Team ID	PNT2022TMID52711
Project Name	**Exploratory Analysis of Rain Fall Data in India for Agriculture**
Maximum Marks	2 Marks

1. CUSTOMER SEGMENTS

Micro, small or marginal, emerging and large or commercial farmers.

6. CUSTOMER LIMITATIONS

Customer can only access and see the given data's predictions.

5. AVAILABLE SOLLUTIONS

Observational data collected by doppler radar, radiosondes, weather satellites, buoys and other instruments are fed into computerized NWS numerical forecast models.

2.PROBLEMS / PAINS

Because of the long gap between rains, crops face water stress. Short-term crops Their vegetative phase would be cut short and they will go into early flowering, leading to a drop in yield

9.PROBLEM ROOT/CAUSE

Weather there can be unpredictable. one minute it's blue skies and the next minute it's pouring rain.

7.BEHAVIOR

Erosion of the topsoil occurs due to the flooding occurs, and due to unpredictable rain an increase in the number of pathogens and pest infestations on crop commodities that result in a decrease in crop yield.

3.TRIGGERS TO ACT

Weather is made up of many factors, when it occurs, its frequency or duration, as well as some other factors.

4. EMOTIONS

Joy, Trust, and Belonging.

10.YOURS SOLUTION

We are planning to add new feature. i.e. rainfall forecast for a particular period with the help of EDA. This is helps the farmers to plant the right crops at the right time.

8. CHANNELS OF BEHAVIOR

ONLINE:
See the rainfall prediction through online.

OFFLINE:
Observe the current satiation weather data.