

Project Design Phase-III

Problem Solution fit

Template

Date	14 NOV 2022
Team ID	PNT2022TMID46300
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 SOLUTIONS 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. Shortterm 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 saturation weather data.