

Project Design Phase-I

Problem Solution fit

Template

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| Date | 14 NOV 2022 |
| Team ID | PNT2022TMID46300 |
| Project Name | Exploratory Analysis of Rain Fall Data in India For Agriculture |
| Maximum Marks | 2 Marks |



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| <p>1. CUSTOMER SEGMENTS</p> <p>Micro, small or marginal, emerging and large or commercial farmers.</p> | <p>6. CUSTOMER LIMITATIONS</p> <p>Customer can only access and see the given data's predictions.</p> | <p>5. AVAILABLE SOLUTIONS</p> <p>Observational data collected by doppler radar, radiosondes, weather satellites, buoys and other instruments are fed into computerized NWS numerical forecast models.</p> |
| <p>2.PROBLEMS / PAINS</p> <p>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</p> | <p>9.PROBLEM ROOT/CAUSE</p> <p>Weather there can be unpredictable. one minute it's blue skies and the next minute it's pouring rain.</p> | <p>7.BEHAVIOR</p> <p>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.</p> |
| <p>3.TRIGGERS TO ACT</p> <p>Weather is made up of many factors, when it occurs, its frequency or duration, as well as some other factors.</p> <p>4. EMOTIONS</p> <p>Joy, Trust, and Belonging.</p> | <p>10.YOURS SOLUTION</p> <p>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.</p> | <p>8. CHANNELS OF BEHAVIOR</p> <p>ONLINE:</p> <p>See the rainfall prediction through online.</p> <p>OFFLINE:</p> <p>Observe the current satiation weather data.</p> |