Project Title: Exploratory Analysis for Rainfall Data in India for Agriculture

Project Design Phase-I - **Solution Fit Template**

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1. CUSTOMER SEGMENT(S) CS

- Farmers are the customers who cultivate different types of crops depending on the rainfall.
- Farmers will refer to a person actively engaged in economic or livelihood activity of growing crops.

6. CUSTOMER CONSTRAINTS CC

- Prediction is never 100% and it is almost impossible to predict the future with certainty.
- To determine how long it will be raining by the predicted rainfall amount.

5. AVAILABLE SOLUTIONS AS

- Developing agriculture, infrastructure including agricultural markets, cold storage for protecting of harvested crops, and warehouse.

2. JOBS-TO-BE-DONE / PROBLE

- The main problem is cultivating the food products for the growing population, providing a livelihood for farmers and protecting the environment.

9. PROBLEM ROOT CAUSE

- Agriculture in India is dependent on the monsoon season because farmers are not well equipped with modern methods of manual irrigations
- Too much of rain and floods damage crops in the fields and may drown livestock, destroy farmlands and damage stored agricultural products.

7. BEHAVIOUR

- Improper rainfall data may lead to loss of crops and farmlands.
- Inefficient rainfall data prediction could cause customers dissatisfaction.
- The atmosphere is constantly changing so their estimates becomes less reliable.

3. TRIGGERS
Maturity levels of seeds and crop cultivation details are briefly explained.

4. EMOTIONS: BEFORE / AFTER

BEFORE:
Paying all debts Less crop production
AFTER:
Increase in sowing rate Economic growth

10. YOUR SOLUTION
A good balance of rain and proper irrigation can lead to faster-growing plants, which can cut down the length between seeding and harvest.
• It helps in making of decisions regarding the cropping pattern and sowing rate.
• It helps in sustainable use of ground water resources.

8. CHANNELS of BEHAVIOUR

ONLINE
Gets notified about tomorrow's weather.

OFFLINE
Agricultural products can be protected earlier.

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