Problem-Solution fit canvas 2.0

Purpose / Vision

Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

Farmers from different geographical areas in India who wants to know about rainfall in advance to cultivate and harvest their crops.

6. CUSTOMER CONSTRAINTS

The customers should have a good network connection to use the application without any interruption.

5. AVAILABLE SOLUTIONS

Rainfall prediction is important as heavy rainfall can lead to many disasters. The advance prediction helps people to take preventive measures and moreover the prediction should be accurate.
prediction of the amount of rain in a specific well or division in advance by using various regression technique and find out which one is best for rainfall prediction.
Pros: Various weather attributes is included in the dataset. So the accuracy may increases compared to other existing system.
cons: Time consuming because of using the large dataset.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS

Sometimes the rainfall predictions may go wrong because of unpredictable changes in ocean currents. So the customer who is expecting rain may get disappointed.

9. PROBLEM ROOT CAUSE

The Farmers are prone to risk by sowing seeds without predicting the rainfall . The usage of our system will reduce above risk.

7. BEHAVIOUR

Directly associated: spending more time in worrying about the yield.
Indirectly associated: producing low crop yield.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS

The farmer wishes to gain more yield after he sees neighbourhood farmer.

4. EMOTIONS: BEFORE / AFTER

Before ,the farmer worried whether the precipitation occur or not. After using this system the farmers are very confident about the rain and they start cultivation.

10. YOUR SOLUTION

User interacts with the UI (User Interface) to enter the input values. Entered input values are analyzed by the model which is integrated. Once the model analyses the input the prediction is showcased on the UI

8. CHANNELS of BEHAVIOUR

8.1 ONLINE

After login, the user enter the input and the input values is analysed by the model.Then the predicted value shown in the UI.

8.2 OFFLINE

The customer have to take mitigation measures to prevent damages caused by rainfall.

Extract online & offline CH of BE

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