

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) **CS**

1. Farmers
2. Those Who are engaged in agricultural activities
3. Government departments which would like to take some preventive measures before handed

6. CUSTOMER CONSTRAINTS **CC**

1. Predict the rainfall with 100% accuracy faster
2. Recommend best practices depending on the rainfall
3. Tolerate Unstable Network connection
4. Autofill unknown input values

5. AVAILABLE SOLUTIONS **AS**

1. Weather forecasting channels in television and internet
2. Weather forecasting apps
3. Rainfall related information printed on news papers
4. Available info from family members

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS **J&P**

1. Find the appropriate dataset
2. Preprocess the dataset and find the appropriate machine learning algorithm
3. Train and Test till higher accuracy is achieved
4. Recommend Measures
5. Update Model Periodically

9. PROBLEM ROOT CAUSE **RC**

1. Irregular rainfall causes a lot of destruction to crops
2. Adverse effect on agriculture
3. Disastrous effects like flood, landslides etc

7. BEHAVIOUR **BE**

1. Consult authorities and those who are experienced in this domain
2. Take decisions by observing the previous data

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

<p>3. TRIGGERS TR</p> <ol style="list-style-type: none"> 1. Current losses and debts 2. Crop damage and financial loss 3. Market competition 	<p>10. YOUR SOLUTION SL</p> <ul style="list-style-type: none"> • Building a low-cost ML based solution for predicting rainfall and taking appropriate measures • Region based analysis of rainfall in India to get the annual rainfall and seasonal crop yield statewise 	<p>8. CHANNELS of BEHAVIOUR CH</p> <p>8.1 ONLINE</p> <ul style="list-style-type: none"> • Receive notifications via SMS or mobile devices <p>8.2 OFFLINE</p> <ul style="list-style-type: none"> • Gather forums or meetings where farmers gather to discuss the problems
<p>4. EMOTIONS: BEFORE / AFTER EM</p> <ul style="list-style-type: none"> • BEFORE: Incur huge financial loss, crop damage and poor disaster management and recovery • AFTER: Increase in crop production and well organized and pre planned disaster management 		