

Project Title: Estimate the Crop Yield Using Data Analytics

Project Design Phase-I - Solution Fit Template

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Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

CS

Farmers, Department of agriculture and farmers welfare and food production companies.

6. CUSTOMER CONSTRAINTS

CC

They have a less knowledge and development towards the current environmental changes like (climatic factors) because they are using the ancient methods and technology

5. AVAILABLE SOLUTIONS

AS

The data analytics in crop production enables the some business organization to predict agricultural yields and better crop quality.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS

States with crop production along with season and season with average productions.

Data report should be created to reduce the loss of the crop and earn more profit in this field.

9. PROBLEM ROOT CAUSE

RC

The insects on the plants can spread the disease . Extreme weather events and various disease on the plants can lead to reducing the crop productivity

7. BEHAVIOUR

BE

To develop a web application which includes all the factors of their expenses

Get a feedback and user's experience from customers who are using that application.

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

<div>3. TRIGGERS<div>TR</div></div> <div>Observing by other farmers who are producing the more crops</div> <div>By supplying the water at an optimal level it will reduce the loss and gains the crop production.</div>	<div>10. YOUR SOLUTION<div>SL</div></div> <div>Both of them customer and farmers to know about the crop yield details in the given dataset and it can shows the clear visualization and they can get some ideas about the crop production</div>	<div>8. CHANNELS of BEHAVIOUR<div>CH</div></div> <div><div><div>• Trying to use pesticides and fertilizers that increase</div><div>• Farmers need to check the crop yield frequently</div></div></div>
<div>4. EMOTIONS: BEFORE / AFTER<div>EM</div></div> <div><div><div>• They don't have the knowledge of the crop sowing before using the visualization.</div><div>• They had some knowledge after saw the visualization charts.</div></div></div>		