

Project Design Phase-I Problem – Solution Fit Template

Date	25 September 2022
Team ID	PNT2022TMID03011
Project Name	Estimate the Crop Yield using Data Analytics
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Problem – Solution Fit Template:

1. CUSTOMER SEGMENT(S) CS Who is your customer? Ans: Our customers are Farmers	6. CUSTOMER CONSTRAINTS CC What constraints prevent your customers from taking action or limit their choices of solutions? 1) Seasons with average production 2) State with crop production 3) Budget 4) No cash	5. AVAILABLE SOLUTIONS AS Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? Ans: They come to know about sowing of profitable crops in a specific seasons. When they face a problem of not knowing of which crops are should grown in which season, the database we provide will give them a information regarding the profits of the other farmers which in turn will give some ideas to the struggled one.
2. JOBS-TO-BE-DONE / PROBLEMS J&P Which jobs-to-be-done (or problems) do you address for your customers? Ans: 1) To reduce the loss. 2) To increase the crop production. 3) To predict which crop to be grown in which season.	9. PROBLEM ROOT CAUSE RC What is the real reason that this problem exists? What is the back story behind the need to do this job? Ans: 1) Heavy loss in crop production for farmers. 2) Helps the customers to use this prediction in case of changes in weather conditions.	7. BEHAVIOUR BE What does your customer do to address the problem and get the job done? Ans: Datas which are collected will be useful in prediction and helps the farmers to grow their crops without any loss.

<p>3. TRIGGERS TR</p> <p>What triggers customers to act?</p> <p>Ans: The data which are present in the datasets in an appropriate manner. Due to the diagrammatic representation of the models, the farmers who are not well educated can also be able to work on this and get benefits.</p>	<p>10. YOUR SOLUTION SL</p> <p>Our projects will enlighten the lives of many farmers by providing suitable information regarding the crop yield in a particular season, which in turn gives many profits to them even from the government side by giving agricultural loans etc,.</p>	<p>8. CHANNELS of BEHAVIOR CH</p> <p>8.1 ONLINE</p> <p>What kind of actions do customers take online?</p> <p>In online mode they are given access to use all the options like crop yield, production, pesticides, agricultural loan, database, etc,.</p>
<p>4. EMOTIONS: BEFORE / AFTER EM</p> <p>How do customers feel when they face a problem or a job and afterwards?</p> <p>Before: Depressed-> Due to heavy loss in crop production and revenue.</p> <p>After: Satisfied-> Due to loss reduction in crop production and increment in revenue.</p>		<p>8.2 OFFLINE</p> <p>What kind of actions do customers take offline?</p> <p>In Offline mode they won't be able to access some of the resources, but they can see the databases of the crop production.</p>