

Project Design Phase-I Problem Solution Fit

Date	26 September 2022
Team ID	PNT2022TMID30162
Project Name	Exploratory Analysis Of Rainfall Data In India For Agriculture
Maximum Marks	

Problem Solution Fit:

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS	6. CUSTOMER CONSTRAINTS CC	5. AVAILABLE SOLUTIONS AS	Explore AS, differentiate
	Farmers, Agricultural Developers, Ordinary People	Low accessibility to existing solutions	A Website exists which gets the dataset and after that it will predicts the results. Various models have been developed, but few have implemented and few have not and brought into use.	
Focus on J&P, tap into BE, understand RC	2. JOBS-TO-BE-DONE / PROBLEMS J&P	9. PROBLEM ROOT CAUSE RC	7. BEHAVIOUR BE	Focus on J&P, tap into BE, understand RC
	Prior information about weather condition No proper platform for rainfall prediction	Lack of prediction about weather condition/rainfall Existing solutions are minimal and does not satisfy farmers expectations	Research about variations in weather conditions/rainfall Search for solutions in online	
Identify strong TR & EM	3. TRIGGERS TR	10. YOUR SOLUTION SL	8. CHANNELS of BEHAVIOUR CH	Extract online & offline CH of BE
	Facing difficulties in predicting the weather/when does it rains Realizing that the rainfall is heavy, more than their expectations		A website is developed which uses combination of multiple ML algorithms to predict the rainfall accurately. The website has a user friendly interface and also supports in mobile devices. It also gives detailed report, predicting results for multiple weather conditions.	
	4. EMOTIONS: BEFORE / AFTER EM			
	Before - Frustration, Confused After - Satisfied, Gains more confidence for cultivating			