

Project Design Phase-I Problem Solution Fit

Date	21 October 2022
Team ID	PNT2022TMID51168
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 Farmers, Agricultural Developers, Ordinary People	6. CUSTOMER CONSTRAINTS CC Low accessibility to existing solutions	5. AVAILABLE SOLUTIONS A Website exists which it will predict the rain developed, but few have been brought into use
	2. JOBS-TO-BE-DONE / PROBLEMS J&P Prior information about weather condition No proper platform for rainfall prediction	9. PROBLEM ROOT CAUSE RC Lack of prediction about weather condition/rainfall Existing solutions are minimal and does not satisfy farmers expectations	7. BEHAVIOUR Research about various solutions Search for solutions
Identify strong TR & EM	3. TRIGGERS TR Facing difficulties in predicting the weather/when does it rains Realizing that the rainfall is heavy, more than their expectations	10. YOUR SOLUTION SL 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.	8. CHANNELS of BEHAVIOUR Online - Social media Offline - Farmers and
	4. EMOTIONS: BEFORE / AFTER EM Before - Frustration, Confused After - Satisfied, Gains more confidence for cultivating		