

PROJECT DESIGN PHASE - 1

PROBLEM SOLUTION FIT

DATE	10 October 2022
TEAM ID	PNT2022TMID16002
PROJECT NAME	Fertilizer Recommendation System for Disease Prediction
MAXIMUM MARK	2 Marks

Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS Farmer's are the first customers to utilise this application. Farmer's can efficiently use this application to get the suggestion on what fertilizer to use for the respective diseases.	6. CUSTOMER RESTRICTIONS CL <small>NET, DEVICES</small> Availability of Good quality cameras and good network in order to process the images and suggest the fertilizer with minimum latency.	5. AVAILABLE SOLUTIONS AS <small>PLUSES & MINUSES</small> People can identify the status of the crop by looking into the condition of the leaf.	Explore AS, differentiate
	2. PROBLEMS / PAINS PR <small>+ ITS FREQUENCY</small> The job to be done is to recommend the farmers on what disease the crop is affected by and what type of fertilizer is to be used to eliminate that disease.	9. PROBLEM ROOT / CAUSE RC The different diseases will gradually destroy the crop and will hamper the yield of the crop and the quality of crop and the insects on the plants will affect the plants. 	7. BEHAVIOR BE <small>+ ITS INTENSITY</small> Directly: Farmers can easily identify the disease that the crop is affected by, and the farmer need not require any extra knowledge to identify the type of disease.	
Identify strong TR & EM	3. TRIGGERS TO ACT TR Overseeing their crops being affected by these diseases and incurring huge loss in the quantity and quantity.	10. YOUR SOLUTION SL Our application will process the image and will compare with the image database to give the type of disease the plant is affected by and also recommends the fertilizer to the farmers to use.	8. CHANNELS of BEHAVIOR CH ONLINE Online: Basic knowledge on the types of crops, diseases and fertilizers.	Extract online & offline CH of BE
	4. EMOTIONS EM <small>BEFORE / AFTER</small> Before: Losing Self-confidence and stressed. After: Gaining trust and using the system.		OFFLINE Offline: People trying to identify the disease by the quality of the leaf.	