

Project Design Phase-1

Prepared Solution Fit

Date	11 October 2022
Team ID	PNT2022TMID05476
Project Name	Estimate crop yield using data analytics
Maximum Marks	2 Marks

Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS Farmers and agriculture researchers	6. CUSTOMER LIMITATIONS CL <small>EG. BUDGET, DEVICES</small> Damage of crops due to heavy rainfall	5. AVAILABLE SOLUTIONS AS <small>PROS & CONS</small> 1)High Quality Fertilizer 2)Continious wheather checking	Explore AS, differentiate
	2. PROBLEMS / PAINS PR <small>+ ITS FREQUENCY</small> 1) Unstructured Data sets 2) Unbalanced Wheather data 3) Challenges during implementation	9. PROBLEM ROOT / CAUSE RC 1) Improving the crop yield year by year using previous year data set 2) Yielding of high quality crops	7. BEHAVIOR BE <small>+ ITS INTENSITY</small> 1)Attending some training , so they can improve crop yield 2)Try to ask some help and overcome the problem	
Focus on PR, tap into BE, understand RC	3. TRIGGERS TO ACT TR Regular irrigation to the crops.	10. YOUR SOLUTION SL 1) Gather previous year data and what are all crops grown that year highly, then plant new crops	8. CHANNELS of BEHAVIOR CH <small>ONLINE</small> All farmers can't able to attend the online training	Extract online & offline CH of BE
	4. EMOTIONS EM <small>BEFORE / AFTER</small> Frustrated , Fullfilled, Happiness.		<small>OFFLINE</small> Need more researchers locally will create some trust and worthy to crop yield	
Identify strong TR & EM				