

Project Title: Estimate the Crop Yield Using Data Analytics

Project Design Phase-I - Solution Fit Template

Team ID: PNT2022TMID41107

Define CS, fit into CC	<p>1.CUSTOMER SEGMENT(S) CS</p> <p>Farmers are the customer who wants to yield a crop in field.</p>	<p>6. CUSTOMER CONSTRAINTS CC</p> <p>Less knowledge and development towards the current environmental changes and technologies, they follow ancient methods, which is also worthy but, the climatic changes and new kind pesticides</p>	<p>5. AVAILABLE SOLUTION AS</p> <ul style="list-style-type: none"><input type="checkbox"/> Traditional ways of prediction.<input type="checkbox"/> Precision farming.	Explore AS, differentiate		
	Focus on J&P, tap into BE, understand RC	<p>2. JOBS-TO-BE-DONE / PROBLEMS J&P</p> <ul style="list-style-type: none"><input type="checkbox"/> Help them understand the usage of prediction and software application for good results in agriculture.<input type="checkbox"/> Data report should to be created to reduce the loss of the crop and earn more profit in agriculture fields	<p>9. PROBLEM ROOT CAUSE RC</p> <ul style="list-style-type: none"><input type="checkbox"/> Various disease on the plants can lead to reducing the quality of the crops productivity.<input type="checkbox"/> The insects on the plants can spread the disease.		<p>7. BEHAVIOUR BE</p> <ul style="list-style-type: none"><input type="checkbox"/> Try to get help from agricultural experts.<input type="checkbox"/> Try to take up non-natural means of cultivation for quicker harvest	Focus on J&P, tap into BE, understand RC

Identify Strong TR & EM	3. TRIGGERS TR <ul style="list-style-type: none"> □ Seeing their crops are being infected by disease and facing huge loss in quality. 	10. YOUR SOLUTION SL <ul style="list-style-type: none"> □ The solution for the problem, creating data report using past datasets. □ Creating IBM Cognos dashboard could make them better understand easily. 	8.CHANNELS of BEHAVIOUR CH <ul style="list-style-type: none"> □ Trying to use pesticides and fertilizers that increase gain but cause harm. □ Irrigation channel changes.
	4. EMOTIONS: BEFORE / AFTER EM <p>Before: Most of the famers in India have Stress, Loosing Self Confidence.</p> <p>After : Gain of Self Confidence.</p>		