

## PROJECT DESIGN PHASE - 1

### PROBLEM SOLUTION FIT

DATE	13 OCTOBER 2022
TEAM ID	PNT2022TMID15473
PROJECT NAME	Estimate the Crop yield using Data Analytics
MAXIMUM MARK	2 Marks

### Problem Solution Fit:

**Project Title:** Estimate Crop yield using Data Analytics **Project Design Phase-I - Solution Fit Template** **Team ID:** PNT2022TMID15473

<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">Define CS, fit into CC</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>1.Customer Segment:</b> Farmer Are The First Customer For This Application. Farmer Can Easily Use This Application And Get Suggestion For Fertilizer To Used Correctly.</p> </div>	<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">CS</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>5. Available solution :</b> People are judge the disease in plants by Identifying through the change of leaf's quality</p> </div>	<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">AS</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>8.channels of behaviour :</b> Online : Basic knowledge on the plant and fertilizer  Offline : People try to identify the disease by the quality of the leaf's.</p> </div> <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">Explore AS, differentiate</div>
<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">J&amp;P</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>2.Jobs To Be Done /Problems</b>  This application focuses on helping for the farmer who needs a better recommendation of fertilizer on the infected plants .identifying the disease is one of the biggest problem here.</p> </div> <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">Focus on J&amp;P, map into BE, understand RC</div>	<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">RC</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>6.customer constraints :</b> Availability of good networks. Capturing the image in a required pixels to get a accurate prediction of disease in the plant.</p> </div>	<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">BE</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>9. problem root cause :</b> Various disease on the plants can lead to reducing the quality and quantity of the crops productivity. The insects on the plants can spread the disease .</p> </div> <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">Focus on J&amp;P, map into BE, understand RC</div>
<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">TR</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>3.Triggers :</b> Seeing their crops are being infected by disease and facing huge loss in quantity and quality</p> </div> <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">EM</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>4.Emotion :</b> Before : losing self-confidence ,distress After : gaining self-confidence ,relief</p> </div>	<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">SL</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>7.Behaviour :</b>  Directly : Farmer can easily identify the disease by the application and they don't need any extra knowledge on the disease prediction  Indirectly : Farmer can be able to get result through online immediately.</p> </div>	<div style="background-color: #f0f0f0; padding: 2px; font-size: 0.8em; font-weight: bold;">CH</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p><b>10. Solution :</b> Using the fertilizer is one the solution for the disease in the plants. Our Application use the image of the infected plant by identifying the disease and suggest the good fertilizer for the disease</p> </div>