

## Project Design Phase-I Problem Solution Fit

Date	01 October 2022
Team ID	PNT2022TMID39548
Project Name	Fertilizers Recommendation System For Disease Prediction
Maximum Marks	

### Problem Solution Fit:

Define CS, fit into CL	<b>1. CUSTOMER SEGMENT(S)</b> <span style="float: right; background-color: #f0f0f0; padding: 2px 5px;">CS</span> Who is your customer?  i.e. Farmers and the people who doing small agriculture on rooftops of the buildings.	<b>6. CUSTOMER LIMITATIONS</b> <small>EG. BUDGET, DEVICES</small> <span style="float: right; background-color: #f0f0f0; padding: 2px 5px;">CL</span> What constraints prevent your customers from taking action?  i.e. expenditures, budget, no cash, lack of awareness.	<b>5. AVAILABLE SOLUTIONS</b> <small>PROS &amp; CONS</small> <span style="float: right; background-color: #f0f0f0; padding: 2px 5px;">AS</span> Making awareness and predicting a actual disease of the plant and recommending the fertilizers for the disease.	Explore AS, differentiate
	<b>2. PROBLEMS / PAINS</b> <small>+ ITS FREQUENCY</small> <span style="float: right; background-color: #f0f0f0; padding: 2px 5px;">PR</span> Plants are affected by the disease and it may leads to less production of agricultural products and decrease in crop production.	<b>9. PROBLEM ROOT / CAUSE</b> <span style="float: right; background-color: #f0f0f0; padding: 2px 5px;">RC</span> Agricultural crop productions are decreased due to some major issues like climate changes, disease affected to the plants and lack of maintenance.	<b>7. BEHAVIOR</b> <small>+ ITS INTENSITY</small> <span style="float: right; background-color: #f0f0f0; padding: 2px 5px;">BE</span> If the notices any problems or changes in the plant, consulting a phytologist and doing the instructions given by them.	
Identify strong TR & EM	<b>3. TRIGGERS TO ACT</b> <span style="float: right; background-color: #f0f0f0; padding: 2px 5px;">TR</span> Being aware about the diseases affected to the plants and taking precautions to avoid problems.	<b>10. YOUR SOLUTION</b> <span style="float: right; background-color: #f0f0f0; padding: 2px 5px;">SL</span> Deep learning algorithms are used to identify what kind of disease is affected to the plants and what are the steps to reduce the effect of the disease.  It also recommends a fertilizer to cure those disease.	<b>8. CHANNELS of BEHAVIOR</b> <span style="float: right; background-color: #f0f0f0; padding: 2px 5px;">CH</span> ONLINE Studying about the various methodologies used to cure the diseases.	Extract online & offline CH of BE
	<b>4. EMOTIONS</b> <small>BEFORE / AFTER</small> <span style="float: right; background-color: #f0f0f0; padding: 2px 5px;">EM</span> Before - Frustrated, Loss After - Confident, in-control.		OFFLINE Implementing the methodologies to the agricultural crops to reduce the diseases affected to the plants.	