

PROJECT DESIGN PHASE - 1

PROBLEM SOLUTION FIT

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| DATE | 17 November 2022 |
| TEAM ID | PNT2022TMID44680 |
| PROJECT NAME | Fertilizer Recommendation System For Plant Disease Prediction |
| MAXIMUM MARK | 2 Marks |

Problem Solution Fit:

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| Define CS, fit into CC | <p>1.Customer Segment:</p> <p>Farmer Are The First Customer For This Application. Farmer Can Easily Use This Application And Get Suggestion For Fertilizer To Used Correctly.</p> <p>CS</p> | <p>5. Available solution :</p> <p>People are judge the disease in plants by Identifying through the change of leaf's quality</p> <p>AS</p> | Explore AS, differentiate |
| | <p>8.channels of behaviour :</p> <p>Online : Basic knowledge on the plant and fertilizer</p> <p>Offline : People try to identify the disease by the quality of the leaf's.</p> <p>AS</p> | | |
| Focus on J&P, map into BE, understand RC | <p>2.Jobs To Be Done /Problems</p> <p>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> <p>J&P</p> | <p>6.customer constraints :</p> <p>Availability of good networks. Capturing the image in a required pixels to get a accurate prediction of disease in the plant.</p> <p>RC</p> | Focus on J&P, map into BE, understand RC |
| | <p>9. problem root cause :</p> <p>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> <p>RC</p> | | |
| TR | <p>3.Triggers :</p> <p>Secing their crops are being infected by disease and facing huge loss in quantity and quality</p> <p>TR</p> | SL | CH |
| | <p>4.Emotion :</p> <p>Before : losing self-confidence ,distress</p> <p>After : gaining self-confidence ,relief</p> <p>EM</p> | | |
| <p>7.Behaviour :</p> <p>Directly : Farmer can easily identify the disease by the application and they don't need any extra knowledge on the disease prediction</p> <p>Indirectly : Farmer can be able to get result through online immediately.</p> <p>SL</p> | | <p>10. Solution :</p> <p>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> <p>CH</p> | |