

Project Design Phase-I

Problem – Solution Fit Template

Date	19 September 2022
Team ID	PNT 2022TMID21470
Project Name	Fertilizers Recommendation System For Disease Prediction
Maximum Marks	2 Marks

Problem – Solution Fit Template:

Problem-Solution fit canvas 2.0

Purpose / Vision

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Define CS, fit into CC</div> <div style="border: 1px solid black; padding: 10px; flex-grow: 1;"> <p>1. CUSTOMER SEGMENT(S) CS</p> <p>Farmers and People who are involved in agriculture and farming</p> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Explore AS, differentiate</div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Focus on J&P, tap into BE, understand RC</div> <div style="border: 1px solid black; padding: 10px; flex-grow: 1;"> <p>6. CUSTOMER CONSTRAINTS CC</p> <p>Access to internet Access to smart phones Application's Usability</p> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Focus on J&P, tap into BE, understand RC</div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Focus on J&P, tap into BE, understand RC</div> <div style="border: 1px solid black; padding: 10px; flex-grow: 1;"> <p>5. AVAILABLE SOLUTIONS AS</p> <p>Smart Crop and fertilizer prediction - ICAC IEEE 2019</p> <p>Smart Farming Fertilizer recommendation system</p> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Focus on J&P, tap into BE, understand RC</div> </div>	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Identify strong TR & EM</div> <div style="border: 1px solid black; padding: 10px; flex-grow: 1;"> <p>2. JOBS-TO-BE-DONE / PROBLEMS J&P</p> <p>Smart Farming for farmers where the user can give in the diseases by which their crops were affected and the fertilizer to rectify that problem is recommended</p> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Extract online & offline CH of BE</div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Identify strong TR & EM</div> <div style="border: 1px solid black; padding: 10px; flex-grow: 1;"> <p>9. PROBLEM ROOT CAUSE RC</p> <p>Crop diseases cannot be accurately predicted by merely analyzing individual disease causes. Only through construction of a comprehensive analysis system can users be provided with predictions of highly probable diseases.</p> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Extract online & offline CH of BE</div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Identify strong TR & EM</div> <div style="border: 1px solid black; padding: 10px; flex-grow: 1;"> <p>7. BEHAVIOUR BE</p> <p>Since, the farmers has to learn the diseases and their fertilizers this application will simplify their problem</p> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Extract online & offline CH of BE</div> </div>	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Identify strong TR & EM</div> <div style="border: 1px solid black; padding: 10px; flex-grow: 1;"> <p>3. TRIGGERS TR</p> <p>Seeing a more efficient solution through any media</p> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Extract online & offline CH of BE</div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Identify strong TR & EM</div> <div style="border: 1px solid black; padding: 10px; flex-grow: 1;"> <p>10. YOUR SOLUTION SL</p> <p>A web Application is built where Farmers can interact with the portal build Interacts with the user interface to upload images of diseased leaf Our model built analyses the Disease and suggests the farmer with fertilizers are to be used</p> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Extract online & offline CH of BE</div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Identify strong TR & EM</div> <div style="border: 1px solid black; padding: 10px; flex-grow: 1;"> <p>8. CHANNELS of BEHAVIOUR CH</p> <p>B.1 ONLINE</p> <p>Downloading the application and giving inputs</p> <p>B.2 OFFLINE</p> <p>Using the recommended fertilizer for their crops for a better yeild</p> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Extract online & offline CH of BE</div> </div>	
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