

Define CS, fit into CC	<div><div>1. CUSTOMER SEGMENT(S)</div><div><div>CS</div><div><ul style="list-style-type: none"><li>• Farmers</li><li>• Employees/Workers associated with Agricultural activities</li><li>• Departments of the government or news organization seeking agricultural rainfall forecasts</li></ul></div></div></div>	<div><div>6. CUSTOMER CONSTRAINTS</div><div><div>CC</div><div><ul style="list-style-type: none"><li>• Absence of Location Specific Climate Forecasts.</li><li>• Unstable network connection</li><li>• To estimate the duration and volume of rainfall before and take decisions accordingly.</li><li>• Limited time to make use of digital devices to get the prediction information</li></ul></div></div></div>	<div><div>5. AVAILABLE SOLUTIONS</div><div><div>AS</div><div><ul style="list-style-type: none"><li>• Machine-learning algorithms such as MLP have been used by researchers to predict rainfall.</li><li>• Current state of the atmosphere, land, and ocean and using meteorology to project how the atmosphere will change at a given place.</li><li>• Announcements from the concerned authorities and notifications from connections on upcoming rainfalls affecting the agriculture</li></ul></div></div></div>	Explore AS, differentiate

Focus on J&P, tap into BE, understand RC	<div><div>2. JOBS-TO-BE-DONE / PROBLEMS</div><div><div>J&amp;P</div><div><ul style="list-style-type: none"><li>• Sudden change in weather and immediate rainfall or showers</li><li>• Get proper analysis from previous data<ul style="list-style-type: none"><li>• Achieve correct and accurate predictions</li></ul></li><li>• Damage to crops due to heavy rainfall</li></ul></div></div></div>	<div><div>9. PROBLEM ROOT CAUSE</div><div><div>RC</div><div><ul style="list-style-type: none"><li>• Unpredictability of changes in ocean currents that are responsible for affecting global weather systems</li><li>• Drastic variability in climate change</li><li>• Biodiversity loss</li><li>• Irregular rainfall in various regions of India</li></ul></div></div></div>	<div><div>7. BEHAVIOUR</div><div><div>BE</div><div><ul style="list-style-type: none"><li>• Take suggestions from concerned authorities, agricultural scientists and other influencers to make decisions.</li><li>• Take decisions as per previous experiences and self-analysis.</li></ul></div></div></div>	Focus on J&P, tap into BE, understand RC

<p><b>3. TRIGGERS</b> <span>TR</span></p> <ul style="list-style-type: none"> <li>Any environmental conditions that have the potential to influence consumer behavior.</li> <li>Current losses and debts.</li> <li>Yearly crop damage due to heavy rainfall.</li> <li>Evolving market competition and change in demand supply.</li> </ul>	<p><b>10. YOUR SOLUTION</b> <span>SL</span></p> <ul style="list-style-type: none"> <li>Region based analysis of previous years rainfall data to get the seasonal patterns with respect to the production of different sorts of crops</li> <li>Building a low-cost or free ML-based application to predict the rainfall of places in India with a high concentration of agricultural activities while taking care of the trends and analysis done already.</li> </ul>	<p><b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span></p> <p>8.1 ONLINE</p> <ul style="list-style-type: none"> <li>Receive early notifications on their digital devices, especially mobiles or smartphones, through SMS or app alerts</li> </ul>
<p><b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span></p> <ul style="list-style-type: none"> <li>Before : Paying debts, incurring losses, low crop production.</li> <li>After : Increase in crop production, making effective decisions, experiencing growth and profits</li> </ul>		<p>8.2 OFFLINE</p> <ul style="list-style-type: none"> <li>Provides guidelines for long range or seasonal planning and selection of crops best suited to the anticipated climatic conditions.</li> <li>Community forums, meeting where farmers and other people can share ideas, discuss and decide on crop activities.</li> </ul>