Project Design Phase
Problem – Solution Fit

Date	12 February 2026
Team ID	LTVIP2026TMIDS54583
Project Name	Exploratory-Analysis-Of-RainFall-Data-In-India-For-Agriculture
Maximum Marks	2 Marks

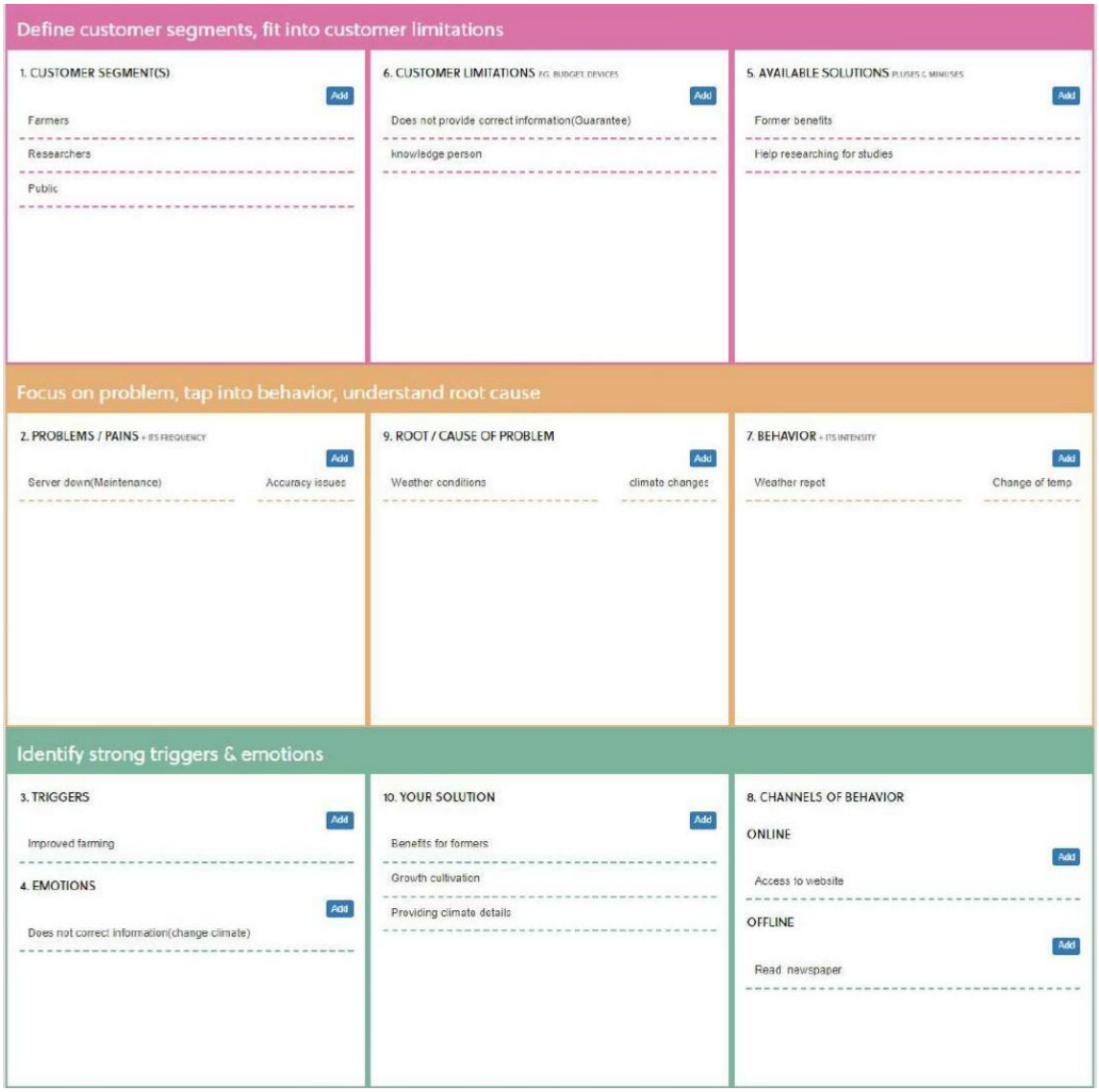
Problem – Solution Fit Template:

Indian farmers heavily depend on rainfall for agriculture, but due to climate change and unpredictable weather patterns, rainfall has become irregular and unreliable. Inaccurate weather reports and sudden changes in temperature often lead to poor crop growth, overwatering or drought conditions, and financial losses for farmers. To address this issue, a reliable rainfall prediction and climate monitoring system can be developed using historical weather data and advanced analysis techniques. This solution would help farmers plan irrigation schedules, manage water resources effectively, make informed farming decisions, reduce crop loss, and ultimately improve productivity and income.

Purpose:

- Who the target customers are
- What problems or pains they are facing
- What are the root causes of those problems
- How customers behave and respond
- What limitations they have
- What existing solutions are available
- And how our proposed solution effectively solves their problem

Template:


Define customer segments, fit into customer limitations
1. CUSTOMER SEGMENT(S)
Add
Farmers
Researchers
Public
6. CUSTOMER LIMITATIONS E.G. BUDGET, DEVICES
Add
Does not provide correct information(Guarantee)
knowledge person
5. AVAILABLE SOLUTIONS PLUSES & MINUSES
Add
Former benefits
Help researching for studies
Focus on problem, tap into behavior, understand root cause
2. PROBLEMS / PAINS + ITS FREQUENCY
Add
Server down(Maintenance)
Accuracy issues
9. ROOT / CAUSE OF PROBLEM
Add
Weather conditions
climate changes
7. BEHAVIOR + ITS INTENSITY
Add
Weather repot
Change of temp
Identify strong triggers & emotions
3. TRIGGERS
Add
Improved farming
4. EMOTIONS
Add
Does not correct information(change climate)
10. YOUR SOLUTION
Add
Benefits for formers
Growth cultivation
Providing climate details
8. CHANNELS OF BEHAVIOR
ONLINE
Add
Access to website
OFFLINE
Add
Read newspaper