Project Design Phase-I - Solution Fit Template **Team ID:** PNT2022TMID18408

Project Title: APPLIED DATA SCIENCE-EXPLORATORY ANALYSIS OF RAINFALL DATA IN AGRICULTURE FOR INDIA.

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

- Farmers
- Sale people
- Public

6. CUSTOMER CONSTRAINTS CC

- Cost limitations
- Time limitations

5. AVAILABLE SOLUTIONS AS

- Data analytics
- Machine learning

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS J&P

- Dryland agriculture, Floods

9. PROBLEM ROOT CAUSE RC

- Climate changes
- Investments
- Biodiversity loss

7. BEHAVIOUR BE

Focuses on the nature of decision making by farmers and on the many influences which affect such decisions.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TR

To create an innovation to predict the rainfall and weather to save agricultural crops.

10. YOUR SOLUTION SL

Analyzing the previous data can give information about rainfall. Using data analytics and data science we predict the future data of rainfall.

8. CHANNELS of BEHAVIOUR CH

8.1 ONLINE

- E-Commerce for agriculture business
- Expanded customer base

8.2 OFFLINE

- By visiting a farmer's market contact
- By newspapers or magazines

Identify strong TR & EM

	4. EMOTIONS: BEFORE / AFTER EM Lack of water available in dryland due to rainfall- Rainfall harvesting..		