# Project Title: Exploratory analysis of rainfall data in India for agriculture

**Team ID: PNT2022TMID40880** 

# 1. CUSTOMER SEGMENT(S)

Customers are the farmers in urban and rural areas.

#### 6. CUSTOMER CONSTRAINTS

Lack of awareness.

Financial situation

Unaccustomed to modern farming practices.

#### 5. AVAILABLE SOLUTIONS

This project provides solution to farmers during the periods of heavy rainfall.

Well planned drainage system.

Set upping a rain cover.

**Explore AS, differentiate** 

### 2. JOBS-TO-BE-DONE / PROBLEMS

I.P.D

Updates of the rainfall data

Exploring the data

Visualizing the data.

Problems are.

Wrong input

Data latency

Precision

#### 9. PROBLEM ROOT CAUSE



Improper water management

Poor resource management

Unpredictable weather

#### 7. BEHAVIOUR



Seek Institutional aid Take on excessive debt Rely on uneducated guidance

#### 3. TRIGGERS

The triggers of this project are, Repeated financial loss and Poor yield



#### 10. YOUR SOLUTION

Our historical rainfall data.

Predict the rainfall pattern for a given period.

Categorize the intensity of rain.

Develop a webpage to provide necessary guidelines for farmers.



## 8. CHANNELS of BEHAVIOUR



The channels that support behaviors are

Proper visualization of data

Choosing correct data

Proper marketing and advertising

4. EMOTIONS: BEFORE / AFTER  Before: panic in case of excess rainfall oncers regarding results in damage of crops and financial hardships  After: can easily know the amount of rainfall in advance			
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