Ideation Phase

Brainstorm & Idea Prioritization

Date	15 February 2026
Team ID	LTVIP2026TMIDS91567
Project Name	Rainfall Prediction System for Agriculture
Maximum Marks	4 Marks

Step-1: Team Gathering, Collaboration and Select the Problem Statement

The team identified unpredictable rainfall patterns affecting agricultural planning. Farmers lack realtime, data-driven insights. The selected problem is to build a Machine Learning-based Rainfall Prediction System with agricultural advisory support.
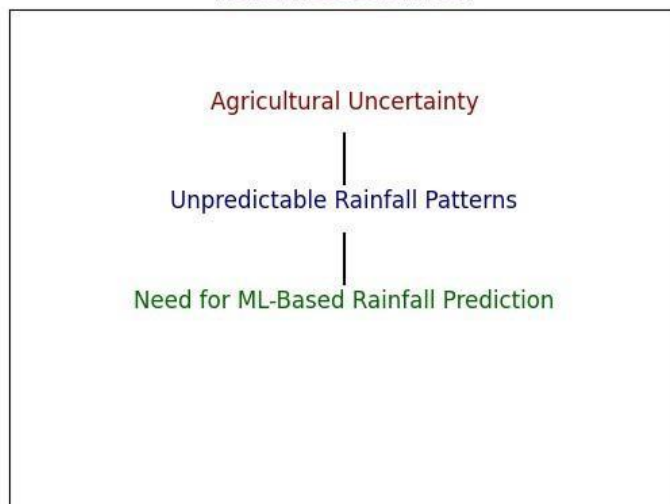
Step-2: Brainstorm, Idea Listing and Grouping Brainstormed

Ideas:

• Perform Exploratory Data Analysis on rainfall dataset.

• Develop ML models (Logistic Regression, Random Forest, XGBoost).

• Deploy model using Flask Web Application.

• Provide dynamic agricultural advisory based on prediction.

Ideas were grouped into Data Analysis, Model Development, and Deployment categories.

Step-3: Idea Prioritization

Ideas were prioritized based on real-world impact, feasibility, innovation, and scalability. The complete ML + Web Application with advisory support received the highest priority.

Idea Prioritization (Impact & Feasibility)
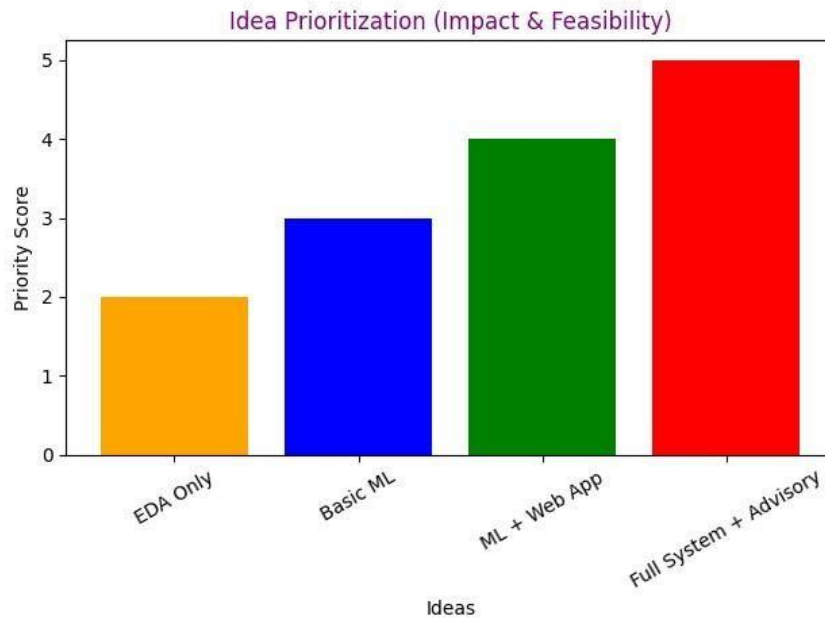
Final Selected Idea:
A Machine Learning-powered Rainfall Prediction Web Application to assist farmers in irrigation planning and crop management.