Project Design Phase-II
User Stories

Date	23 October 2023
Team ID	Team-591539
Project Name	Project - Machine Learning Approach For Predicting The Rainfall
Maximum Marks	4 Marks

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Acceptance criteria	Release
Customer (Mobile user)	Location and notification access	USN-1	As a user, I can get real time response about rainfall occurrence so that i can plan my day ahead	High	I can receive notification	Version-1
Customer	Email notification	USN-2	As a user, I will receive confirmation email once I have registered for the application	Medium	I can receive confirmation email & click confirm	Version-1

Administrator	Data Source Management	USN-3	As an administrator, I need the capability to create backups of the model's configuration and settings, as well as recover the model to a previous working state in case of errors or misconfigurations.	High	The administrator can access a data source management interface for the prediction model.	Version-1
User	Prediction	USN-4	As a user, I can request a rainfall prediction for a specific location and date.	High	I can select a specific location and date.	Version-1
Data Analyst	Research	USN-5	As a data analyst, I want the ability to configure and fine-tune the parameters of the rainfall prediction model to enhance its accuracy and reliability.	High	The data analyst can access a configuration interface for the prediction model	Version-1
Administrator	Reporting	USN-6	As an admin, I can generate reports and specify date ranges to track the application's performance.	Medium	The administrator can access a user management interface	Version-1
Data Scientist	Feature Engineering Enhancement	USN-7	As a data scientist, I want to enhance the feature engineering process used in the rainfall prediction model by introducing advanced feature selection techniques and evaluating their impact	Medium	The data scientist can explore and implement advanced feature engineering techniques, such as feature selection	Version-2

				on model accuracy.		algorithms and engineering new relevant features.	
Customer Care Executive	Assistance	USN-8	As a Customer Care Executive, I want to assist customers in using the rainfall prediction system effectively and address their concerns.	High	I can access a customer management dashboard to assist customers.	Version-1
Administrator	Security & Functionality	USN-9	As an Administrator, I want to manage and maintain the system to ensure its functionality and security.	High	I can manage user roles and permissions, including Customer and Customer Care Executive roles.	Version-1
Manager	Performance Monitoring	USN-10	As a manager, I want to access the dashboard displaying real-time data, key performance indicators (KPIs), and graphs to monitor the performance.	High	The manager can log in and access a dedicated dashboard.	Version-1
Disaster management coordinator	Risks Monitoring	USN-11	As a disaster management coordinator, I can access real-time rainfall forecasts to monitor potential flood risks and initiate emergency response plans when necessary.	High	I can access real-time data.	Version-2

Farmer	Recommendations	USN-12	As a farmer, I can receive accurate and timely rainfall predictions for my region, so I can make informed decisions about when to plant, irrigate, or harvest my crops.	Medium	I can get recommendations based on the weather.	Version-1