

Project Development Phase
Model Performance Test

Date	19 February 2026
Team ID	LTVIP2026TMIDS62229
Project Name	Exploratory Analysis of Rain Fall Data in India for Agriculture
Maximum Marks	5 Marks

Model Performance Testing:

S.No.	Parameter	Screenshot / Values
1	Data Rendered	Weather dataset (weatherAUS.csv) rendered successfully in the application for visualization. Displayed parameters: MinTemp, MaxTemp, Rainfall, WindGustSpeed, Humidity3pm, RainTomorrow. (Insert Data Display Screenshot Here)
2	Data Preprocessing	Missing values handled using mean/mode replacement. Categorical data encoded using Label Encoding / One-Hot Encoding. Feature scaling applied using StandardScaler. (Insert Preprocessing Code Screenshot Here)
3	Utilization of Data Filters	Filtered dataset based on selected weather parameters. Selected top 5 important features for model training. (Optional: If dashboard filter added, mention filter by rainfall probability or temperature range)
4	DAX Queries Used	Not Applicable (Project uses Python & Machine Learning instead of Power BI DAX). If required, mention equivalent Python

		aggregations using Pandas (mean, sum, value counts).
5	Dashboard Design	Number of Visualizations / Graphs – 4 1. Bar Chart – Rain vs No Rain 2. Pie Chart – Rain Distribution 3. Line Chart – Temperature Trends 4. Confusion Matrix Visualization (Insert Dashboard Screenshot Here)