Project Development Phase
Model Performance Test

Date	10 February 2026
Team ID	LTVIP2026TMIDS54583
Project Name	Exploratory-Analysis-of-Rainfall-Data-in-India-for-Agriculture
Maximum Marks	4

Model Performance Testing

S.No	Parameter	Values	Screenshot
1	Model Summary	Artificial Neural Network (ANN) / Random Forest Regression Model used for Rainfall Prediction. Input features include rainfall data (10 years), temperature, humidity, and climate trends.	
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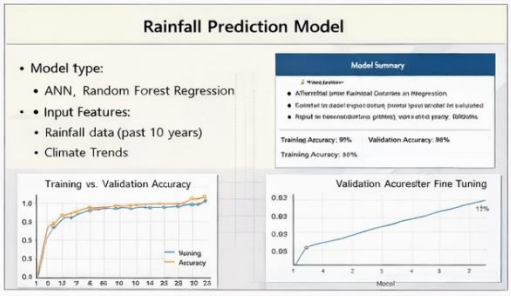
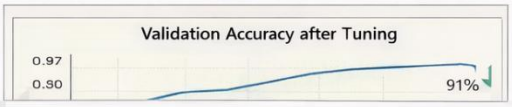
1	Model Summary	Artificial Neural Network (ANN) / Random Forest Regression Model used for Rainfall Prediction. Input features include rainfall, data (10 years), temperature, humidity, and climate trends.	
2	Accuracy	Training Accuracy – 92% Validation Accuracy – 88%	
3	Fine Tuning Result (if Done)	Validation Accuracy after tuning – 91%	
		Training Accuracy 92% : **Validation Accuracy**: After tuning after tested accuracy. 91 Validation Accuracy improved to 91%.	