

Project Development Phase
Model Performance Test

Team ID	LTVIP2026TMIDS87645
Project Name	Prosperity Prognosticator
Maximum Marks	

Model Performance Testing:

S.No	Parameter	Values
1	Model Summary	The model used for prediction is a Random Forest Classifier . It is an ensemble machine learning algorithm that combines multiple decision trees to improve prediction accuracy and reduce overfitting.
2	Accuracy	Training Accuracy: 92% Validation Accuracy: 89%
3	Fine Tuning Result (if Done)	Validation Accuracy after tuning: 91% Hyperparameters such as number of trees and depth were optimized to improve performance.