## Project Development Phase Model Performance Test

Date	09 November 2023	
Team ID	Team-592779	
Project Name	Machine Learning Model For Occupancy Rates	
	And Demand In The Hospitality Industry	
Maximum Marks	10 Marks	

## **Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Model Summary	precision recall f1-score support  0 1.00 0.99 0.99 34650 1 0.78 0.66 0.71 47 2 0.59 0.81 0.68 134 3 0.79 0.93 0.85 932  accuracy 0.99 35763 macro avg 0.79 0.85 0.81 35763 weighted avg 0.99 0.99 0.99 35763	Confusion Matrix:  [34335 8 75 232]  [ 14 31 0 2]  [ 26 0 108 0 165
2.	Accuracy	Training Accuracy - 0.9933316433155676  Validation Accuracy – 0.9881721332103012	Training Accuracy Score of Random Forest is: 0.9933316433155676 Testing Accuracy Score of Random Forest is: 0.9881721332183812