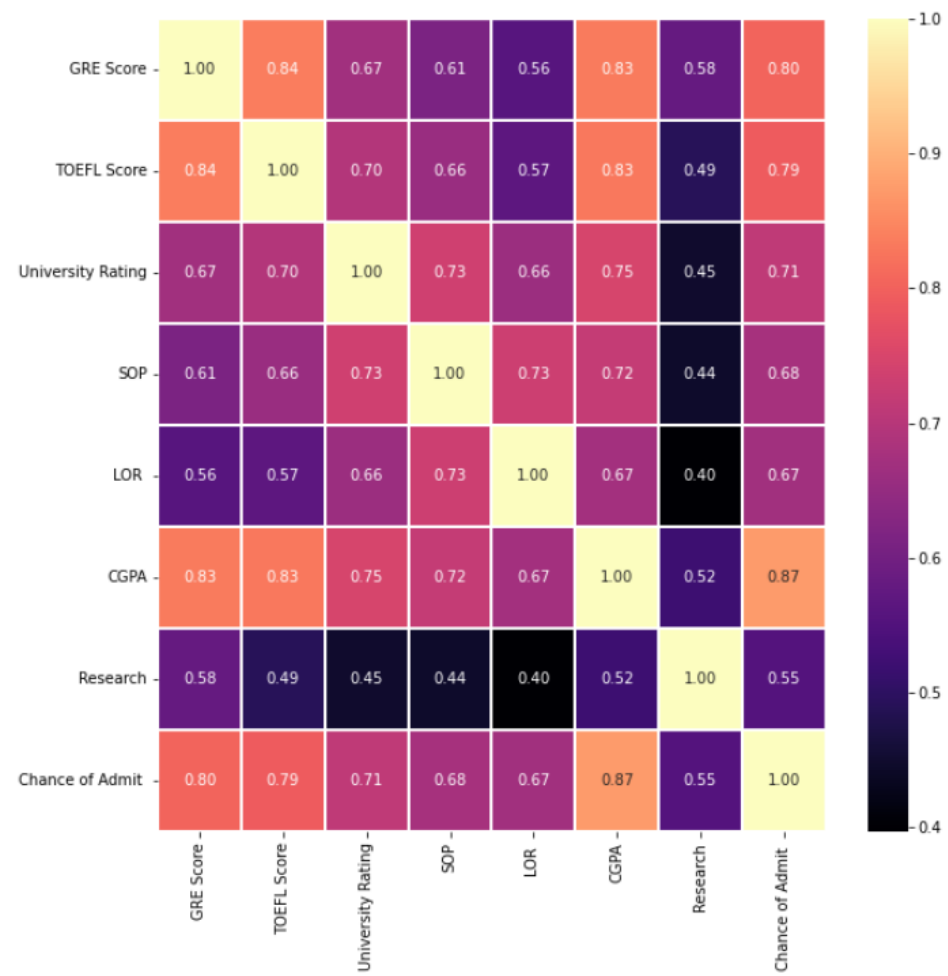


Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID52695
Project Name	UNIVERSITY ADMIT ELIGIBILITY PREDICTOR
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Metrics	Classification Model: Logistic Regression (Accuracy Score, Recall Score, ROC AUC Score, Confusion Matrix, Correlation Matrix)	<pre>from sklearn.metrics import accuracy_score, recall_score, roc_auc_score, confusion_matrix print('Accuracy Score:', accuracy_score(y_test, y_pred)) print('Recall Score:', recall_score(y_test, y_pred)) print('ROC AUC Score:', roc_auc_score(y_test, y_pred)) print('Confussion Matrix:\n', confusion_matrix(y_test, y_pred))</pre> <pre>Accuracy Score: 0.85 Recall Score: 1.0 ROC AUC Score: 0.55 Confussion Matrix: [[1 9] [0 50]]</pre>



2.	Tune the Model	Hyper parameter Tuning	best result: 0.8509559162948146 best parameters: [0.014509467657194726, 21, 26, 0.9723402117733363, 0.6965207062496099]
		Validation Method	validation AUC: 0.8542199488491049