PERFORMANCE METRICS

Date	18 November 2022
Team ID	PNT2022TMID21562
Project Name	University Admit Eligibility Predictor
Maximum Marks	10 Marks

PERFORMANCE METRICS:

No.	PARAMETER	VALUES	SCREENSHOT								
MSE - , RMSE - , R2 score - Classification Mod Confusion Matrix - Accuracy Score - &	Metrics	Regression Model: MAE - , MSE - , RMSE - , R2	Model Building Gradient Boosting Regression In [44]: rgr = GradientBoostingRegressor() rgr-fit(X_train,y_train) Out[44]: GradientBoostingRegressor() In [45]: rgr = GradientBoostingRegressor() rgr = GradientBoostingRegressor() In [45]: rgr = GradientBoostingRegressor() rgr = GradientBoostingRegressor() In [45]: rgr = GradientBoostingRegressor() rgr = Grad								
			In [11]	Data Corr	elation						
		Out[11]	GRE Score TOEFL Score University Rating SOP	1.000000 0.835977 0.668976 0.612831 0.557555 0.833060 0.580391	0.835977 1.000000 0.695590 0.657981 0.567721 0.828417 0.489858 0.791594	0.66897 0.69559 1.00000 0.73452 0.66012 0.74647	0 0.657981 0 0.734523 0 0.734523 0 0.729593 0 0.718144 0 0.444029	0.557555 0.83 0.567721 0.82 0.660123 0.74 0.729593 0.71 1.000000 0.67 0.670211 1.00 0.396859 0.52	CGPA Research CI 3060 0.580391 88417 0.489858 66479 0.447783 8144 0.444029 00211 0.396859 00000 0.521654 11654 1.000000 33289 0.553202	0.802610 0.791594 0.711250 0.675732 0.669899 0.873289 0.553202	
			corr_m plt.fig sns.he plt.tim	[12]: aplotting the correlation matrix as a heatmap corr_matrix = df.cor() pl.t.fipere(Figize = (15, 12)) pl.t.shee() corr satrix, amontorine, fmt='0.2f') pl.t.thee() pl.t.mee()							
			GRE Score	.00 084	0.67	Correlation 061	on Matri	X 0.83	0.58	0.80	-10
		king TOEFL Score	84 100	0.70	0.66		0.83		0.79	- 0.9	
		Univers		0.73	100				0.71	- 0.8	
						0.73	100	0.67		0.67	- 0.7
			VGDA.	.83 0.83	0.75	0.72	0.67	100	0.52	0.87	- 0.6
			Admit Res	.80 0.79	0.45	0.44	0.40	0.52	0.55	1.00	- 0.5
			GR	Score TOEFL Score	University Rati	ng SOP	LOR	CGPA	Research	Chance of Admit	- 0.4

2.	Tune the Model	Hyper parameter Tuning - Validation Method -	20 (80): 20 (80): 20 (40):	Trem alramonistinate, logicitic import continuous and a factoristic contin
			20 [51]:	Save the Model Amort pickle proper pickle model a pickle-inad(open("university.pkl", 'pk')) model a pickle-inad(open("university.pkl", 'pk'))