Project Development Phase Model Performance Test

Date	16 November 2023	
Team ID	PNT2022TMID591975	
Project Name	Project - Crime Vision: Advanced Crime	
	Classification With Deep Learning	
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.	Metrics	Regression Model:	
		MAE - NA, MSE -NA , RMSE - NA,	
		R2 score - NA	
		Classification Advantal	- accuracy: 0.7653 - val_loss: 2.1247 - val_accuracy: 0.5568
		Classification Model:	- accuracy: 0.8221 - val_loss: 2.1643 - val_accuracy: 0.4938 - accuracy: 0.8503 - val_loss: 2.3249 - val_accuracy: 0.5048
		Confusion Matrix - , Accuray Score- & Classification Report -	- accuracy: 0.8742 - val_loss: 2.3889 - val_accuracy: 0.5581
		& Classification Report -	- accuracy: 0.8871 - val_loss: 2.2491 - val_accuracy: 0.5249
			- accuracy: 0.8979 - val_loss: 2.7502 - val_accuracy: 0.5177
			- accuracy: 0.9067 - val_loss: 2.3852 - val_accuracy: 0.5094
			- accuracy: 0.9108 - val_loss: 2.6323 - val_accuracy: 0.4869
			- accuracy: 0.9187 - val_loss: 2.5938 - val_accuracy: 0.5249 - accuracy: 0.9216 - val_loss: 2.6197 - val_accuracy: 0.4669
			- accuracy. 0.7210 - var_1055. 2.0157 - var_accuracy. 0.4005
2.	Tune the Model	Hyperparameter Tuning -	
		Validation Method - CNN	
			model = Sequential() model.add(convolution2(2,(3,3), activation = 'relu', input_shape = (224,224,3))) model.add(convolution2(pool_size = (2,2))) model.add(convolution2(3,(3,3))) model.add(convolution2(3,(3,3))) model.add(convolution2(3,(3,3))) model.add(convolution2(3,(3,3))) model.add(convolution2(2,(3,3))) model.add(convolution2(2,(3,3))) model.add(convolution2(2,(3,3))) model.add(convolution2(2,(3,3))) model.add(convolution2(2,(3,3))) model.add(convolution2(3,(3,3)))