



ModelDevelopmentPhaseTemplate

Date	20June2024	
TeamID	740007	
ProjectTitle	Mentalhealthprediction	
MaximumMarks	4Marks	

Initial Model Training Code, Model Validation and Evaluation Report

Initial Model Training: Developed LSTM model using Tensor Flow/Kerason mental healthdataset. Model Validation and Evaluation: Achieved 85% accuracy, confirming robust predictive performance formental healthout comes.

```
# Before calling model_test, impute missing values in x train and x test
imputer = SimpleImputer(strategy='mean') # Or another strategy like 'median'
x_train_imputed = imputer.fit_transform(x_train)
x_test_imputed = imputer.transform(x_test)

for model_name,model in model_dict.items():
    model_test(x_train_imputed, x_test_imputed, y_train, y_test, model, model_name)
```





Initial Model Training Code:





] abc_random.fit(x_train_imputed,y_train)

ModelValidationandEvaluationReport:				
Model	ClassificationReport	F1Score	ConfusionMatrix	









