

Model Development Phase Template

Date	14t July 2024
Team ID	SWTID1720243396
Project Title	Panic Disorder Detection
Maximum Marks	6 Marks

Model Selection Report:

Model	Description	Hyperparameters	Performance Metric (e.g., Accuracy, F1 Score)
6. KNN(with hyper-parametere risation)	The K-nearest neighbors (KNN) algorithm is a supervised machine learning algorithm that uses proximity to classify data or make predictions	Best score:0.9389632668581207 Best parameters: {'n_neighbors': 5}	<pre> precision recall f1-score support 0 0.96 0.93 0.94 19159 1 0.04 0.07 0.05 841 accuracy 0.90 20000 macro avg 0.50 0.50 0.50 20000 weighted avg 0.92 0.90 0.91 20000 [[17846 1313] [785 56]] Classification accuracy : 0.8951 Precision : 0.9315 Recall or Sensitivity : 0.9579 True Positive Rate : 0.9579 False Positive Rate : 0.9591 </pre>