

Model Development Phase Template

Date	15 JULY 2024
Team ID	XXXXXX
Project Title	Detection of Autistic Spectrum Disorder: Classification
Maximum Marks	4 Marks

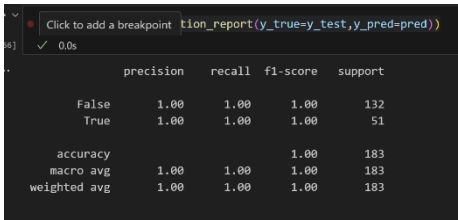
Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

Initial Model Training Code:

Paste the screenshot of the model training code

Model Validation and Evaluation Report:

Model	Classification Report	Accuracy
Linear Regression	 <pre> Click to add a breakpoint tion_report(y_true=y_test,y_pred=pred) 0.0s precision recall f1-score support False 1.00 1.00 1.00 132 True 1.00 1.00 1.00 51 accuracy 1.00 1.00 1.00 183 macro avg 1.00 1.00 1.00 183 weighted avg 1.00 1.00 1.00 183 </pre>	ACCURACY= 100%

Random Forest	<pre> Click to add a breakpoint tion_report(y_true=y_test,y_pred=pred) ✓ 0.0s precision recall f1-score support False 1.00 1.00 1.00 132 True 1.00 1.00 1.00 51 accuracy 1.00 1.00 1.00 183 macro avg 1.00 1.00 1.00 183 weighted avg 1.00 1.00 1.00 183 </pre>	ACCURACY= 100%
KNN	<pre> Click to add a breakpoint tion_report(y_true=y_test,y_pred=pred) ✓ 0.0s precision recall f1-score support False 1.00 1.00 1.00 132 True 1.00 1.00 1.00 51 accuracy 1.00 1.00 1.00 183 macro avg 1.00 1.00 1.00 183 weighted avg 1.00 1.00 1.00 183 </pre>	ACCURACY= 96.17