

Project Development Phase

Model Performance Test

Date	10 NOvember 2022
Team ID	PNT2022TMID34818
Project Name	Project - Detecting Parkinson's Disease using Machine Learning
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in the model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	<p>Classification Model:</p> <p>Spiral Models: Random Forest</p> <p>XGBoost</p> <p>Wave Models: Random Forest</p> <p>XGBoost :</p>	<p>Accuracy: 83.33% Sensitivity: 73.33%, Specificity: 93.33%,</p> <p>Accuracy: 60.00% Sensitivity: 93.33% Specificity: 26.67%</p> <p>Accuracy: 66.67%, Sensitivity: 60.00%, Specificity: 73.33%,</p> <p>XGBoost=53.33% XGBoost=93.33% XGBoost=13.33%</p>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	<p>Wave : Training data: 70% Testing data : 30%</p> <p>Spiral: Training data: 70% Testing data : 30%</p>