Project Development phase

Model Performance Testing

Date	08 November 2023
Team Id	Team-593201
Project Name	Project - Predicting Mental Health Illness Of Working Professionals Using Machine Learning
Maximum Marks	10 Marks

Model Performance Testing

S.NO	Parameter	Values	Screenshots
1	Metrics	**Decision Tree Model :** **Training accuracy**: 1.0 T**esting accuracy:** 0.7877984084880637	Testing accuracy = 0.7877984084880637 Training accuracy = 1.0
		Random Forest Model : **Training accuracy:** 1.0 **Testing accuracy:** 0.843501326259947	Testing accuracy = 0.843501326259947 Training accuracy = 1.0
		Logistic Regression Model : **Training accuracy:** 0.820250284414107 **Testing accuracy:** 0.8037135278514589	Testing accuracy = 0.8037135278514589 Training accuracy = 0.820250284414107
		Ada boost classifier model : **Training accuracy:** 0.8418657565415245 **Testing accuracy:** 0.8381962864721485	Testing accuracy = 0.8381962864721485 Training accuracy = 0.8418657565415245
		Gradient Boosting Model : **Training accuracy:** 0.8896473265073948 **Testing accuracy:** 0.8328912466843501	Testing accuracy = 0.8328912466843501 Training accuracy = 0.8896473265073948

| | | **Support Vector Classification model:** **Training accuracy:** **Testing accuracy:** 0.7877984084880637 | Testing accuracy = 0.7877984084880637 |