


Project Development Phase Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID36043
Project Name	Project - Liver Disease Prediction Using ML
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
	Metrics	Regression Model: MAE - , MSE - , RMSE - , R2 score - Classification Model: Confusion Matrix - , Accuray Score-& Classification Report -	 <pre>Logistic Regression 19/11/2022 from sklearn.linear_model import LogisticRegression import pandas as pd import numpy as np from sklearn.metrics import accuracy_score # Load data data = pd.read_csv('data.csv') X = data[['Fasting_Blood_Sugar', 'HbA1c', 'BMI', 'Age', 'Gender']] y = data['Diabetes'] # Split data into training and testing sets X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42) # Train the Logistic Regression model model = LogisticRegression() model.fit(X_train, y_train) # Predict on the test set y_pred = model.predict(X_test) # Calculate the accuracy score accuracy = accuracy_score(y_test, y_pred) # Print the accuracy score print('Accuracy score of the predictions: %f' % accuracy)</pre>

	Tune the Model	Hyperparameter Tuning - Validation Method -	-
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