

Project Development Phase Model Performance Test

Date	9 November 2023
Team ID	Team-592862
Project Name	Detect Smoke With The Help Of IOT Data And Trigger A Fire Alarm
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Model Summary	Code Quality: good (no issues) Screen record time – 4.56 Speed Valuation – 431 ms	<p>Page Details</p> <p>Your page content is broken down into the following:</p> <p>431ms Fully Loaded Time</p> <p>Total Page Size - 73.8KB</p> <p>Total Page Requests - 5</p>
2.	Accuracy	Training Accuracy – 0.945287 Validation Accuracy – 0.8154	<pre> #Logistic regression from sklearn.linear_model import LogisticRegression from sklearn.metrics import accuracy_score from sklearn.metrics import classification_report model_lr = LogisticRegression() model_lr.fit(x_train_smote, y_train_smote) y_pred_test_lr = model_lr.predict(x_test) y_pred_train_lr = model_lr.predict(x_train_smote) test_acc_lr = accuracy_score(y_test, y_pred_test_lr) train_acc_lr = accuracy_score(y_train_smote, y_pred_train_lr) print('Logistic Regression Test Accuracy: ', test_acc_lr) print(classification_report(y_test, y_pred_test_lr)) </pre> <p>Logistic Regression Test Accuracy: 0.945287360982656</p>
3.	Confidence Score	Class Detected - 4 Confidence Score - 80	<p>Speed Visualization</p> <p>Top Issues</p>