

Project Development Phase Model Performance Test

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| Date | 19 November 2022 |
| Team ID | PNT2022TMID00047 |
| Project Name | DEVELOPING A FLIGHT DELAY PREDICTION MODEL USING MACHINE LEARNING |
| Maximum Marks | 10 Marks |

Model Performance Testing:

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

| S.No. | Parameter | Values |
|-------|-----------|--|
| 1. | Metrics | Classification Model: Confusion Matrix – [1847,89,103,208] Accuracy Score- 90% Classification Report – 100% |

SCREENSHOTS METRICS

```
from sklearn.metrics import confusion_matrix
confusion_matrix = confusion_matrix(y_test, y_predict)
print(confusion_matrix)
```

```
[[1847   89]
 [ 103  208]]
```

```
from sklearn.metrics import accuracy_score, classification_report, confusion_matrix
```

```
accuracy_score(y_test, y_predict)
```

```
0.9145527369826435
```

```
accuracy_score(y_train, y_predict_train)
```

```
0.907279608192342
```