

Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID49675
Project Name	Project – Early Detection of Chronic Kidney Disease 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	Screenshot
1.	Metrics	Classification Model: Accuracy Score- & Classification Report	See Below

1. Metrics

Model: Logistics Regression

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

[ ] print("Accuracy of the model is : %3f " % accuracy_score(y_test, y_predict))

Accuracy of the model is : 0.990000

print(classification_report(y_test, y_predict))
```

	precision	recall	f1-score	support
0	1.00	0.98	0.99	57
1	0.98	1.00	0.99	43
accuracy			0.99	100
macro avg	0.99	0.99	0.99	100
weighted avg	0.99	0.99	0.99	100

Model : Decision Tree

```
print(classification_report(y_test, y_predict))
```

	precision	recall	f1-score	support
0	1.00	0.96	0.98	57
1	0.96	1.00	0.98	43
accuracy			0.98	100
macro avg	0.98	0.98	0.98	100
weighted avg	0.98	0.98	0.98	100

Model : KNN

```
[ ] print(classification_report(y_test, y_predict))
```

	precision	recall	f1-score	support
0	1.00	0.98	0.99	57
1	0.98	1.00	0.99	43
accuracy			0.99	100
macro avg	0.99	0.99	0.99	100
weighted avg	0.99	0.99	0.99	100