

Project Development Phase Model Performance Test

Metrics-

Classification Model:

Confusion Matrix - , Accuray Score

& Classification Report -

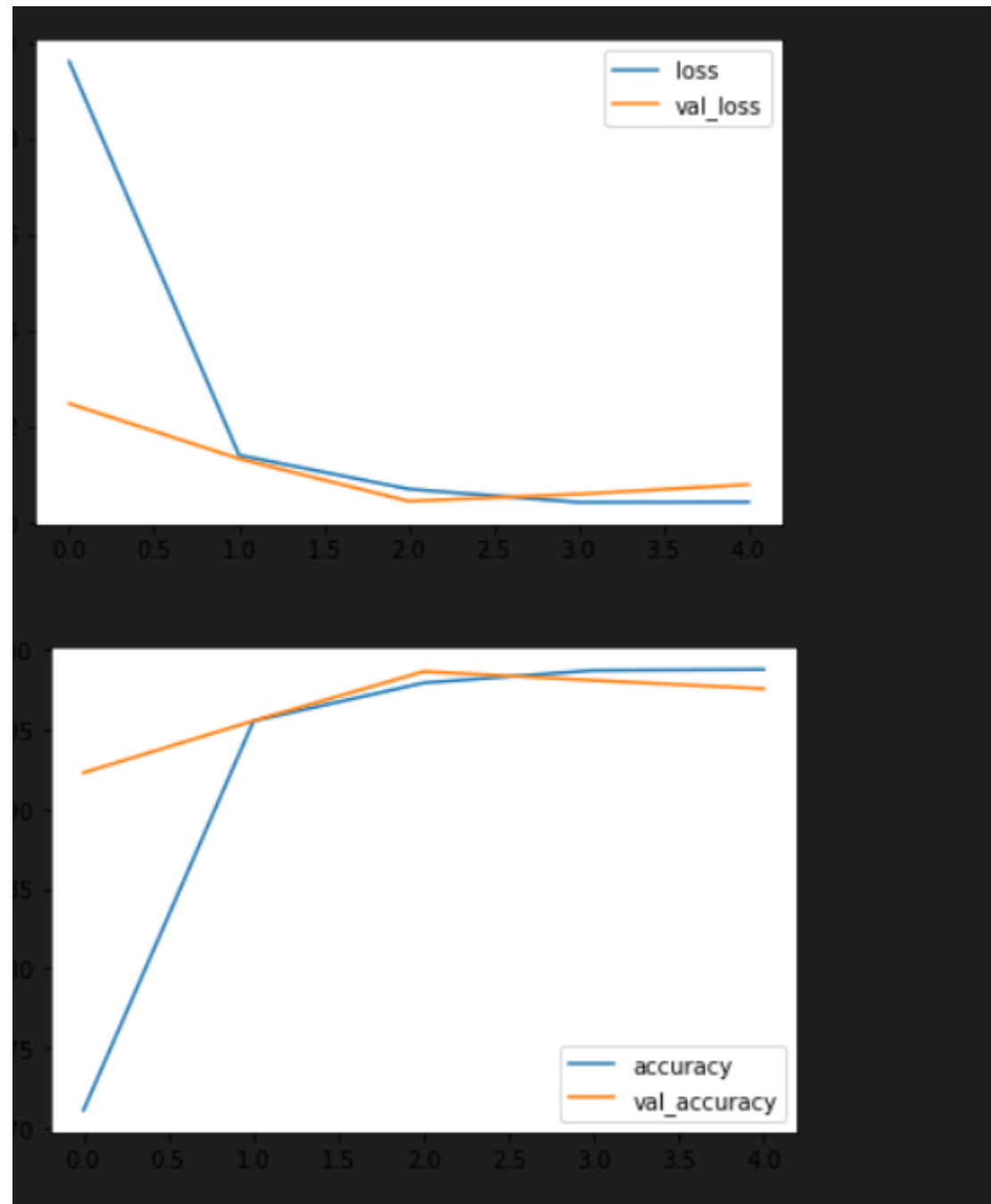
```
from sklearn.metrics import classification_report, confusion_matrix  
print(classification_report(y_test, predictions))
```

816/816 [=====] - 10s 12ms/step

	precision	recall	f1-score	support
0	0.99	0.98	0.99	900
1	1.00	0.98	0.99	900
2	1.00	1.00	1.00	900
3	0.94	1.00	0.97	900
4	0.96	0.97	0.96	900
5	0.99	0.98	0.99	900
6	0.98	1.00	0.99	900
7	0.98	1.00	0.99	900
8	0.99	0.99	0.99	900
9	0.99	1.00	1.00	900
10	0.87	1.00	0.93	900
11	1.00	0.98	0.99	900
12	0.98	0.97	0.98	900
13	0.98	0.99	0.99	900
14	0.96	0.97	0.97	900
15	0.98	0.96	0.97	900
16	0.98	0.99	0.99	900
17	1.00	0.92	0.96	900
18	0.99	0.97	0.98	900
19	0.99	0.97	0.98	900
20	0.91	1.00	0.95	900
21	0.98	0.88	0.93	900
...				
accuracy			0.98	26100
macro avg	0.98	0.98	0.98	26100
weighted avg	0.98	0.98	0.98	26100

Tuning the Model-

Validation Method-



```
model.evaluate(x_test,y_cat_test,verbose=0)
```

```
[0.07869397103786469, 0.9754406213760376]
```