Project Development Phase Model Performance Test

| Date | 27 June 2025 |
|---------------|--|
| Team ID | LTVIP2025TMID59820 |
| Project Name | Pattern Sense: Classifying Fabric Patterns using |
| | Deep Learning |
| Maximum Marks | 10 Marks |

Model Performance Testing:

| S.No. | Parameter | Values | Screenshot | | | | | | | | | | |
|-------|-----------|------------------------------|--|---------|--------------|------|--------------|----|------------|-----|--------|------|--|
| 1. | Metrics | Classification Model: | assification Model: Confusion Matrix | | | | | | | | | | |
| | | Confusion Matrix -, Accuracy | 133/133 31s 151ms/step - accuracy: 0.8008 - loss: 0.6740 | | | | | | | | | | |
| | | Score- & Classification | Confusion Matrix | | | | | | | | | | |
| | | Report - | animal - 4 | 5 3 | | 1 1 | 3 | 4 | 1 | 0 | 8 | - 70 | |
| | | | animal - 4 | 3 | 4 | | 3 | 4 | 1 | 0 | 0 | /0 | |
| | | | cartoon - 1 | 26 | 3 | 7 4 | 6 | 2 | 0 | 0 | 3 | - 60 | |
| | | | floral - 2 | 2 15 | 52 | 2 7 | 1 | 1 | 1 | 1 | 17 | | |
| | | | geometry - 3 | 9 | 5 1 | .7 2 | 2 | 8 | 7 | 5 | 9 | - 50 | |
| | | | g ikat - 4 | 1 7 | 7 | 5 22 | 2 | 3 | 2 | 2 | 17 | - 40 | |
| | | | ikat - 4 | 2 3 | 2 9 | 9 1 | 73 | 3 | 2 | 1 | 3 | | |
| | | | polka dot - 2 | 2 3 | 2 ! | 5 1 | 3 | 71 | 11 | 0 | 1 | - 30 | |
| | | | squares - (| 0 0 | 1 ! | 5 0 | 6 | 4 | 64 | 4 | 3 | - 20 | |
| | | | stripes - 2 | | 2 4 | 4 1 | 9 | 0 | 3 | 73 | 6 | | |
| | | | 3.1.1000 | | | | | | | | 55 | 10 | |
| | | | tribal - 4 | | 5 | 7 8 | 5 | 1 | 3 | | | | |
| | | | with thou and better hat hely other destrate title hild | | | | | | | | | | |
| | | | Predicted label | | | | | | | | | | |
| | | | Classification Report | | | | | | | | | | |
| | | | Classification | on Repo | ort: | | | | | | | | |
| | | | | preci | ision | re | call | f1 | -scor | e s | suppor | t | |
| | | | animal | | 0.69 | | 0.64 | | 0.6 | 7 | 7 | 9 | |
| | | | cartoon | | 0.35 | | 0.50 | | 0.4 | | 5 | | |
| | | | floral | | 0.63 | | 0.53 | | 0.5 | | 9 | | |
| | | | geometry ikat | | 0.27 0.47 | | 0.25 0.31 | | 0.2 0.3 | | 6 7 | | |
| | | | plain | | 0.66 | | 0.74 | | 0.7 | | 9 | | |
| | | | polka dot | | 0.73 | | 0.72 | | 0.7 | | 9 | | |
| | | | squares | | 0.68 | | 0.74 | | 0.7 | | 8 | 7 | |
| | | | stripes | | 0.83 | | 0.73 | | 0.7 | | 10 | | |
| | | | tribal | | 0.45 | | 0.56 | | 0.5 | 0 | 9 | 9 | |
| | | | accuracy | | | | | | 0.5 | 9 | 84 | 3 | |
| | | | macro avg | | 0.58 | | 0.57 | | 0.5 | | 84 | | |
| | | | weighted avg | | 0.60 | | 0.59 | | 0.5 | 9 | 84 | 3 | |