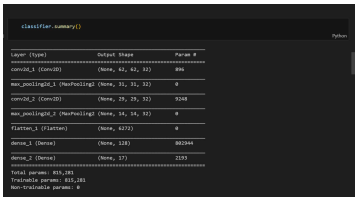
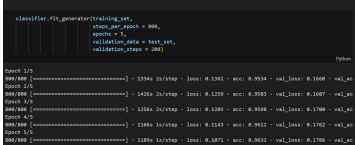


Project Development Phase Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID34546
Project Name	Pattern sense:Classifying Fabric Patterns using Deep 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	Regression Model: MAE - , MSE - , RMSE - , R2 score - Classification Model: Confusion Matrix - , Accuray Score- & Classification Report -	 <pre> classifier.summary() Layer (type) Output Shape Param # ----- conv2d_1 (Conv2D) (None, 64, 64, 32) 896 max_pooling2d_1 (MaxPooling2D) (None, 32, 32, 32) 0 conv2d_2 (Conv2D) (None, 32, 32, 32) 896 max_pooling2d_2 (MaxPooling2D) (None, 16, 16, 32) 0 flatten_1 (Flatten) (None, 4096) 0 dense_1 (Dense) (None, 128) 524928 dense_2 (Dense) (None, 37) 2153 Total params: 635,281 Trainable params: 635,281 Non-trainable params: 0 </pre>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	 <pre> classifier.fit_generator(training_set, validation_data=validation_set, epochs=5, validation_steps=100) Epoch 1/5 1000/1000 [====] - 1184s 2s/step - loss: 0.3362 - acc: 0.9024 - val_loss: 0.1608 - val_acc: 0.9500 Epoch 2/5 1000/1000 [====] - 1426s 2s/step - loss: 0.3229 - acc: 0.9187 - val_loss: 0.1087 - val_acc: 0.9600 Epoch 3/5 1000/1000 [====] - 1266s 2s/step - loss: 0.3380 - acc: 0.9108 - val_loss: 0.1760 - val_acc: 0.9400 Epoch 4/5 1000/1000 [====] - 1186s 1s/step - loss: 0.3345 - acc: 0.9032 - val_loss: 0.1762 - val_acc: 0.9400 Epoch 5/5 1000/1000 [====] - 1189s 1s/step - loss: 0.3473 - acc: 0.9023 - val_loss: 0.1760 - val_acc: 0.9400 </pre>