**Project Development Phase**

**Model Performance Test**

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| Date | 14june2025 |
| Title | Pattern sense classifying fabrics using deep learning |
| Team id | LTVIP2025TMID4337 |
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**Model Performance Testing:**

Evaluate the trained deep learning model on the test set using accuracy, precision, recall, F1-score, and confusion matrix.

High scores across these metrics indicate good fabric classification performance.

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Metrics | **Regression Model:** MAE -2.5 , MSE - 9. , RMSE - 3., R2 score - 0.8 |  |
|  | Tune the Model | Hyperparameter Tuning  Validation Method  **Classification Model:**  Confusion Matrix – 0.71, Accuray Score-0.71 & Classification Report |  |