**Project Development Phase**

**Model Performance Test**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID41423 |
| Project Name | Pattern Sense: Classifying Fabric Patterns Using Deep Learning |
| Maximum Marks |  |

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Model Summary | Convolutional Neural Network (CNN) based on VGG16 pre-trained architecture. Final layers customized for multi-class classification of fabric patterns. |  |
|  | Accuracy | Training Accuracy - 98.5% Validation Accuracy - 96.3% |  |
| 3. | Fine Tuning Result( if Done) | Validation Accuracy - 93.4% after unfreezing final conv layers and adjusting learning rate |  |