**Project Development Phase**

**Model Performance Test**

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| Date | 10 February 2025 |
| Team ID | LTVIP2025TMID36078 |
| Project Name | GrainPalette - A Deep Learning Odyssey In Rice Type Classification Through Transfer 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** |
|  | Metrics | **Classification Model:**  Confusion Matrix:  [[2918, 9, 25, 25, 48], [8, 2969, 5, 31, 0], [3, 7, 2987, 9, 1], [4, 6, 5, 2921, 1], [85, 0, 2, 1, 2912]]  Accuracy Score: **98.05%**  Classification Report:  Precision ~0.97–0.99  Recall ~0.97–1.00  F1-score ~0.97–0.99  (see screenshot for detailed values) | C:\Users\mulla\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\4B9CDBCA9D45CBDF296414AAC1D7D964\WhatsApp Image 2025-07-18 at 20.14.27_73664b1f.jpg |
|  | Tune the Model | Validation Method: Train/Validation split (80/20) | C:\Users\mulla\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\3C8179DE1979ED5F080F0871C7BD9BDE\WhatsApp Image 2025-07-18 at 20.14.23_50720114.jpg  C:\Users\mulla\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\B5EDED274DBFE983C9A4BB1F5ED640CC\WhatsApp Image 2025-07-18 at 20.33.37_f0d8e5de.jpg |