**Project Development Phase**

**Model Performance Test**

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| Date | 10 February 2025 |
| Team ID | **LTVIP2025TMID34308** |
| Project Name | **Grain Palette –A Deep Learning Odyssey in Rice Type Classification Through Transfer Learning** |
| Maximum Marks | 10M |

**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 | CNN-based model with transfer learning (e.g., MobileNetV2 or similar), trained on 5 rice types: Arborio, Basmati, Ipsala, Jasmine, Karacadag |  |
|  | Accuracy | **Training Accuracy** – 98.7%  **Validation Accuracy** – 92.4% |  |
| 3. | Fine Tunning Result | Validation Accuracy -94.1 |  |