**Project Development Phase**

**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 |  |

**Model Performance Testing:**

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

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| **S.No.** | **Parameter** | **Screenshot / Values** |
|  | Data Rendered | C:\Users\mulla\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\998C0C4FD994DC56798676EB8017A9B9\WhatsApp Image 2025-07-18 at 20.56.45_a085a0e0.jpg |
|  | Data Preprocessing | ImageDataGenerator with: - Rescaling (1./255)  - Rotation (20°), Zoom (20%), Horizontal Flip  - Validation split = 0.2 |
| 3. | Utilization of Filters | Validation split via subset='training' and 'validation'  Data shuffled only in training set. |
| 4. | Calculation fields Used |  Accuracy: model.evaluate() & accuracy\_score()   Confusion Matrix: confusion\_matrix()   Classification Metrics: classification\_report()   Dropout: 0.3 (used twice in the custom head)   Total Trainable Parameters: model.summary() |
| 5. | Dashboard design | No of Visualizations / Graphs –  C:\Users\mulla\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\C7CD4536ABACD24976A94CE7E5E10939\WhatsApp Image 2025-07-18 at 20.14.21_14a33342.jpg  C:\Users\mulla\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\CA03D27EDADF2A0229E550F25E4C3330\WhatsApp Image 2025-07-18 at 20.14.27_8aa584a2.jpg |
| 6 | Story Design | No of Visualizations / Graphs –  C:\Users\mulla\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\4B9CDBCA9D45CBDF296414AAC1D7D964\WhatsApp Image 2025-07-18 at 20.14.26_fa537f19.jpg |