**FUNCTIONAL AND PERFORMANCE TESTING**

|  |  |
| --- | --- |
| Date | 24 June 2025 |
| Team ID | LTVIP2025TMID43223 |
| Project Name | **Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management** |
| Maximum Marks |  |

**Model Performance Testing**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Model Summary | Training Loss: 0.1223  Training Accuracy: 0.9750 Validation Loss: 2.2094  Validation Accuracy: 0.1250 |  |
|  | Accuracy | Training Accuracy: 0.1223  Validation Accuracy: 0.1250 |  |
| 3. | Fine Tunning Result | Validation Accuracy: 0.1250 |  |

**Functional Testing Checklist**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Functionality Tested** | **Expected Outcome** | **Actual Outcome** | **Status** |
| 1 | Image Upload and Preview | Image should upload and preview successfully | Works as expected | ✅ |
| 2 | Disease Prediction Output | Display correct disease prediction with confidence score | Works as expected | ✅ |
| 3 | Frontend UI Navigation | UI should be responsive and navigable | Works as expected | ✅ |
| 4 | Backend API Response (Flask routes) | Predict endpoint should return JSON response | Works as expected | ✅ |
| 5 | Error Handling (invalid image, missing file) | Proper error messages should display | Works as expected | ✅ |