**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 30 june 2025 |
| Team ID | LTVIP2025TMID33880 |
| Project Name | Transfer Learning-Based Classification Of PoultryDiseases For Enhanced Health Management |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Disease Image Upload | Upload poultry images, JPG/PNG support |
| FR-4 | Result & Report | Display result, Download PDF, Suggestions |
| FR-5 | Admin Panel | Manage users/images, Monitor system |
| FR-6 | Model Training Interface | Add training data, Evaluation view |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Easy UI for farmers & experts |
| NFR-2 | **Security** | Secure login and uploads |
| NFR-3 | **Reliability** | Stable across user load |
| NFR-4 | **Performance** | Fast results (<3s/image) |
| NFR-5 | **Availability** | 24/7, 99% uptime |
| NFR-6 | **Scalability** | Expandable for future users |