**Project Design Phase-II**

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

| Date | 30 June 2025 |
| --- | --- |
| Team ID | LTVIP2025TMID33742 |
| Project Name | HematoVision: Advanced Blood Cell Classification Using Transfer Learning |
| Maximum Marks |  |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| **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 |  |  |
| FR-4 |  |  |
|  |  |  |
|  |  |  |

**Non-functional Requirements:**

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

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | The system should offer an intuitive, user-friendly interface that can be easily navigated by users with varying levels of technical proficiency. |
| NFR-2 | **Security** | The solution must ensure secure handling of user data through authentication, encryption, and protection against unauthorized access or breaches. |
| NFR-3 | **Reliability** | The system should consistently perform its intended functions without failure, even under varying usage conditions. |
| NFR-4 | **Performance** | The application should provide fast response times and low latency, even when processing large volumes of data or handling multiple requests. |
| NFR-5 | **Availability** | The solution should be accessible and operational 24/7 with minimal downtime, ensuring continuous service to users. |
| NFR-6 | **Scalability** | The system should be designed to handle increased user load, data volume, and expanded features without degrading performance. |