**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

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| Date | 24 June 2025 |
| Team ID | LTVIP2025TMID35409 |
| Project Name | HematoVision: Advanced Blood Cell Classification Using Transfer Learning |
| Maximum Marks | 5 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Registration | USN-1 | As a patient, I can register by entering my name, email, and password. | 2 | High |  |
| Sprint-1 | Registration | USN-2 | As a patient, I receive a confirmation email upon successful registration. | 1 | High |  |
| Sprint-1 | Login | USN-3 | As a patient, I can log in using email and password. | 1 | High |  |
| Sprint-2 | Image Upload | USN-4 | As a patient, I can upload a blood cell image for analysis. | 3 | High |  |
| Sprint-2 | Classification Result | USN-5 | As a patient, I can view the classification result and suggested diagnosis. | 3 | High |  |
| Sprint-3 | History | USN-6 | As a patient, I can view past diagnosis results. | 2 | Medium |  |
| Sprint-1 | Model Management | USN-7 | As an admin, I can upload/update the deep learning model used for classification. | 2 | High |  |
| Sprint-3 | Monitoring | USN-8 | As an admin, I can monitor user registrations and activity logs. | 2 | Medium |  |
| Sprint-1 | Email Service | USN-9 | As a system, I automatically send email confirmations upon registration. | 1 | High |  |
| Sprint-2 | Image Classification | USN-10 | As a classifier, I preprocess uploaded images and return predicted blood cell type. | 3 | High |  |
| Sprint-3 | User Query Handling | USN-11 | As a support executive, I can respond to user queries. | 2 | Medium |  |