**Project Planning Phase**

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

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| --- | --- |
| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID59787 |
| 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 | System Overview | USN-1 | As a lab technician, I want to upload a blood smear image so that I can automatically classify blood cells. | 2 | High | Jahnavi,Swathi |
| Sprint-1 | Image Upload | USN-2 | As a hematologist, I want to see highlighted or labeled cells in the uploaded image so that I can easily verify the classification. | 1 | High | Prasad,Tharunya |
| Sprint-2 | Image Preprocessing | USN-3 | As a doctor, I want to see the confidence score for each predicted cell type so that I can assess how reliable the prediction | 2 | Low | Tharunya,Jahnavi |
| Sprint-3 | Cell Classification | USN-4 | As a medical practitioner, I want the system to flag potential abnormal or rare cells so that I can prioritize further investigation | 2 | Medium | Swathi,Prasad |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 20 | 6 Days | 9-jun-2025 | 12-jun-2025 | 20 | 9-jun-2025 |
| Sprint-2 | 40 | 6 Days | 13-jun-2025 | 20-jun-2025 | 20 | 13-jun-2025 |
| Sprint-3 | 30 | 6 Days | 21-jun-2025 | 24-jun-2025 | 20 | 21-jun-2025 |
| Sprint-4 | 20 | 6 Days | 24-jun-2025 | 27-jun-2025 | 20 | 26-jun-2025 |

**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

