**Project Planning Phase**

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

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| --- | --- |
| **Date** | 27 june 2025 |
| **Team ID** | LTVIP2025TMID59804 |
| **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 | Jonna Pawan,  Allutla Sumanth |
| **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 | G.Vishwanath Reddy,  Jeniki Kiran |
| **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 | Jonna Pawan,  G.Vishwanath Reddy |
| **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 | Jeniki Kiran,  Allutla Sumanth |

**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)

