Project Planning Phase

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

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| --- | --- |
| Date | 1 July 2025 |
| Team ID | LTVIP2025TMID44259 |
| Project Name | Pattern Sense: Classifying Fabric Patterns using  Deep Learning |
| Maximum Marks | 5 Marks |

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

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| --- | --- | --- | --- | --- | --- | --- |
| Sprint | Functional  Requirement (Epic) | User  Story  Number | User Story / Task | Story Points | Priority | Team  Members |
| Sprint-1 | System shall allow users to upload single or multiple fabric images. | USN-1 | Gather & preprocess fabric image dataset | 2 | High | Roshan,  Darbar,  Umar |
| Sprint-1 | System shall classify images into predefined fabric pattern types  (e.g., floral, stripe). | USN-2 | Define pattern categories | 2 | Medium | Roshan  Umar,  Khalid |
| Sprint-2 | System shall return classification results with a confidence score. | USN-3 | Perform data augmentation. | 2 | High | Roshan,  Darbar,  Umar |
| Sprint-3 | System shall provide a user interface to view and manage results. | USN-4 | Build baseline CNN model | 2 | Low | Umar,  Darbar  Khalid |

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

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| --- | --- | --- | --- | --- | --- | --- |
| 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 | 40 | 12 Days |  |  |  | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days |  |  |  |  |
| Sprint-3 | 20 | 6 Days |  |  |  |  |

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)

