

Project Planning Phase

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

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|---------------|---|
| Date | 18 June 2025 |
| Team ID | LTVIP2025TMID20393 |
| Project Name | Educational Organisation Using ServiceNow |
| 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 | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Member |
| Sprint-1 | Registration | USN-1 | Register using name, contact, and class selection | 2 | High | Sayyad Aafrin |
| Sprint-1 | Registration | USN-2 | Receive confirmation email after registration | 1 | High | Prasanna |
| Sprint-1 | Registration (Gmail) | USN-3 | Register using Gmail | 2 | Medium | Ch Venkat Teja |
| Sprint-1 | Login | USN-4 | Login with email and password | 1 | High | A. Harsha Valli |
| Sprint-2 | Admission Workflow | USN-5 | Admin fills and submits admission form | 3 | High | Ch Venkat Teja |
| Sprint-2 | Progress Tracking | USN-6 | Teacher enters marks and calculates percentage | 3 | High | Prasanna |
| Sprint-3 | Dashboard | USN-7 | Admin views stats and dashboards | 4 | Medium | Sayyad Aafrin |
| Sprint-4 | Notifications | USN-8 | User receives status change notifications | 2 | Medium | A. Harsha Valli |

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 | 6 | 3 Days | 18 June 2025 | 20 June 2025 | 6 | 20 June 2025 |
| Sprint-2 | 6 | 3 Days | 21 June 2025 | 23 June 2025 | 6 | 23 June 2025 |
| Sprint-3 | 4 | 3 Days | 24 June 2025 | 26 June 2025 | 4 | 26 June 2025 |
| Sprint-4 | 2 | 2 Days | 27 June 2025 | 28 June 2025 | 2 | 28 June 2025 |

Burndown Chart:

| Day | Ideal Remaining | Actual Remaining |
|-------|-----------------|------------------|
| Day 1 | 6 | 6 |
| Day 2 | 3 | 3 |
| Day 3 | 0 | 0 |

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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Reference:

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>