

Project Planning Phase

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

| | |
|---------------|---|
| Date | 10 March 2025 |
| Team ID | PNT2025TMID02683 |
| Project Name | Exploring Cyber Security Understanding Threats and Solutions in the Digital Age |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|---|--------------|----------|------------------|
| Sprint-1 | Security Assessment | USN-1 | As a security analyst, I can perform a vulnerability scan using Nessus to identify risks. | 4 | High | Pranav Shete |
| Sprint-1 | | USN-2 | As an analyst, I can analyze the scan results and prioritize vulnerabilities | 3 | High | Rushikesh Ghatke |
| Sprint-2 | Threat Hunting | USN-3 | As a SOC analyst, I can monitor SIEM logs for suspicious activity. | 4 | High | Shreyash Patil |
| Sprint-2 | | USN-4 | As a SOC analyst, I can investigate a suspicious login attempt and escalate if needed. | 3 | Medium | Pranav Shete |
| Sprint-3 | Incident Response | USN-5 | As an incident responder, I can analyze phishing emails for indicators of compromise. | 4 | High | Rushikesh Ghatke |
| Sprint-3 | | USN-6 | As an analyst, I can create a report of an incident and suggest remediation. | 3 | Medium | Shreyash Patil |

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 | 7 | 7 Days | 10-2-2025 | 18-2-2025 | 7 | 22-2-2025 |
| Sprint-2 | 7 | 7 Days | 23-2-2025 | 1-3-2025 | 6 | 2-3-2025 |
| Sprint-3 | 7 | 6 Days | 6-3-2025 | 11-3-2025 | 7 | 12-3-2025 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Velocity:

To measure the team's average velocity, use:

Velocity = Total Story Points Completed / Number of Sprints

For example, if the team completes 21 story points over 3 sprints, the velocity = $21/3 = 7$ story points per sprint.

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

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

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

Reference:

<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>