

Project Planning Phase

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

| | |
|---------------|--|
| Date | 11 March 2025 |
| Team ID | PNT2025TMIDO2777 |
| 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 | Abhay shitole |
| Sprint-1 | | USN-2 | As an analyst, I can analyze the scan results and prioritize vulnerabilities | 3 | High | Abhay shitole |
| Sprint-2 | Threat Hunting | USN-3 | As a SOC analyst, I can monitor SIEM logs for suspicious activity. | 4 | High | Abhay shitole |
| Sprint-2 | | USN-4 | As a SOC analyst, I can investigate a suspicious login attempt and escalate if needed. | 3 | Medium | Abhay shitole |
| Sprint-3 | Incident Response | USN-5 | As an incident responder, I can analyze phishing emails for indicators of compromise. | 4 | High | Abhay shitole |
| Sprint-3 | | USN-6 | As an analyst, I can create a report of an incident and suggest remediation. | 3 | Medium | Abhay shitole |

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 | 3 February 2025 | 9 February 2025 | 7 | 9 February 2025 |
| Sprint-2 | 7 | 7 Days | 10 February 2025 | 17 February 2025 | 8 | 17 February 2025 |
| Sprint-3 | 7 | 6 Days | 18 February 2025 | 23 February 2025 | 6 | 23 February 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 (Tracking Work Completion Over Time)

A **Burndown Chart** visualizes the remaining story points vs. time.

- **X-axis:** Sprint duration (1st Feb to 10th March).
 - **Y-axis:** Remaining story points (starting at 21).
 - **Ideal Line:** A steady decline from **21 to 0** by the project deadline.
- Actual Progress Line:** Shows slight delays in Sprint-2.

•