

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

Date	11 March 2025
Team ID	PNT2025TMIDO2618
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	
Sprint-1		USN-2	As an analyst, I can analyze the scan results and prioritize vulnerabilities	3	High	
Sprint-2	Threat Hunting	USN-3	As a SOC analyst, I can monitor SIEM logs for suspicious activity.	4	High	
Sprint-2		USN-4	As a SOC analyst, I can investigate a suspicious login attempt and escalate if needed.	3	Medium	
Sprint-3	Incident Response	USN-5	As an incident responder, I can analyze phishing emails for indicators of compromise.	4	High	
Sprint-3		USN-6	As an analyst, I can create a report of an incident and suggest remediation.	3	Medium	

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

Sprint	User Story Number	User Story / Task	Assigned To	Status	Sprint Start Date	Sprint End Date (Planned)	Sprint Release Date	Comments
Sprint-1	USN-1	Perform vulnerability scan using Nessus	Nishant Mohite	Completed	01/02/2025	12/02/2025	12/02/2025	Successfully scanned vulnerabilities
	USN-2	Analyze scan results and prioritize vulnerabilities	Pavan Patil	Completed	05/02/2025	12/02/2025	12/02/2025	Critical risks identified
Sprint-2	USN-3	Monitor SIEM logs for suspicious activity	Prathamesh Patil	In Progress	13/02/2025	25/02/2025	25/02/2025	Partial logs reviewed
	USN-4	Investigate suspicious login attempt	Nishant Mohite	Not Started	16/02/2025	25/02/2025	25/02/2025	Pending review
Sprint-3	USN-5	Analyze phishing emails for IoCs	Pavan Patil	Not Started	26/02/2025	10/03/2025	10/03/2025	
	USN-6	Create incident report with remediation steps	Prathamesh Patil	Not Started	28/02/2025	10/03/2025	10/03/2025	

Velocity:

To measure the team's average velocity, use:

$$\text{Velocity} = \text{Total Story Points Completed} / \text{Number of Sprints}$$

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

Sprint	Total Story Points	Story Points Completed	Duration (Days)	Sprint Start Date	Sprint End Date (Planned)	Sprint Release Date (Actual)
Sprint-1	7	7	7	03/02/2025	09/02/2025	09/02/2025
Sprint-2	7	8	7	10/02/2025	17/02/2025	17/02/2025
Sprint-3	7	6	6	18/02/2025	23/02/2025	23/02/2025

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.