**Project Planning Phase**

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

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| --- | --- |
| Date | 10 March 2025 |
| Team ID | PNT2025TMID02614 |
| 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 | Cyber Threat Identification | USN-1 | As a cybersecurity researcher, I can identify and categorize different types of cyber threats (malware, phishing, ransomware). | 4 | High | Swarup Dhavan |
| Sprint-1 |  | USN-2 | As a security analyst, I can research recent cyber-attack case studies and document their impact. | 3 | High | Archit Chougule |
| Sprint-2 | Digital Forensics & Analysis | USN-3 | As an incident responder, I can analyse logs and extract key insights from compromised systems. | 4 | High | Tejas Karekar |
| Sprint-2 |  | USN-4 | As a forensic analyst, I can investigate and trace the origin of an attack using forensic tools like Autopsy | 3 | Medium | Sushant Patil |
| Sprint-3 | Cybersecurity Defence Mechanisms | USN-5 | As a security engineer, I can implement basic encryption methods (AES, RSA) to protect sensitive data. | 4 | High | Swarup Dhavan |
| Sprint-3 |  | USN-6 | As a developer, I can set up multi-factor authentication (MFA) in a demo application. | 3 | Medium | Tejas Karekar |
| Sprint-4 | Network Security & Monitoring | USN-7 | As a security analyst, I can analyse network packet data using Wireshark. | 3 | Medium | Sushant Patil |
| Sprint-4 |  | USN-8 | As a cybersecurity educator, I can create awareness material on social engineering attacks. | 3 | High | Archit Chougule |
| Sprint-5 | Security Awareness & Best Practices | USN-9 | As a cybersecurity educator, I can create awareness material on social engineering attacks. | 3 | High | Swarup Dhavan |
| Sprint-5 |  | USN-10 | As an end user, I can learn best security practices to protect my personal data online. | 2 | Medium | Tejas Karekar |

**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 | 4 Days | Feb 22, 2025 | Feb 25, 2025 | 7 | Feb 25, 2025 |
| Sprint-2 | 7 | 4 Days | Feb 26, 2025 | Feb 29, 2025 | 7 | Feb 29, 2025 |
| Sprint-3 | 7 | 3 Days | Mar 1, 2025 | Mar 3, 2025 | 7 | Mar 3, 2025 |
| Sprint-4 | 6 | 3 Days | Mar 4, 2025 | Mar 6, 2025 | 6 | Mar 6, 2025 |
| Sprint-5 | 5 | 3 Days | Mar 7, 2025 | Mar 9, 2025 | 5 | Mar 9, 2025 |

**Velocity:**

To measure the team’s average velocity, use:

**Velocity = Total Story Points Completed / Number of Sprints**

= **(7+7+7+6+5) / 5**  
= **6.4 story points per sprint (approx.)**

**Burndown Chart:**

