

# Project Planning Document

**Date: 10 March 2025**

**Team ID: PNT2025TMID02564**

**Project Name: Exploring Cyber Security: Understanding Threats and Solutions in the Digital Age**  
**Maximum Marks: 8 Marks**

## Team Details

S.no	Name	College	Contact
1	Anuj Kadam	DYP-ATU	<a href="mailto:anujkadam3554@gmail.com">anujkadam3554@gmail.com</a>
2	Arin Irache	DYP-ATU	<a href="mailto:irachearin@gmail.com">irachearin@gmail.com</a>
3	Akif Panari	DYP-ATU	<a href="mailto:akifpanari@gmail.com">akifpanari@gmail.com</a>
4	Abhishek Patil	DYP-ATU	<a href="mailto:abhidpatil27@gmail.com">abhidpatil27@gmail.com</a>

**Institution: DY Patil Agriculture and Technical University, Talsande**

1. INTRODUCTION

1.1 Project Name:

Exploring Cyber Security: Understanding Threats and Solutions in the Digital Age

1.2 Team ID:

PNT2025TMID02564

1.3 Maximum Marks:

8 Marks

2. PRODUCT BACKLOG, SPRINT SCHEDULE, AND ESTIMATION (4 Marks)

Sprint-1: Cyber Threat Identification

Sprint	Functional Requirement (Epic)	USN	User Story	Story Points	Priority	Team Member
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	Anuj Kadam
Sprint-1	Cyber Threat Identification	USN-2	As a security analyst, I can research recent cyber-attack case studies and document their impact.	3	High	Arin Irache

Sprint-2: Digital Forensics & Analysis

Sprint	Functional Requirement (Epic)	USN	User Story	Story Points	Priority	Team Member
Sprint-2	Digital Forensics & Analysis	USN-3	As an incident responder, I can analyze logs and extract key insights from compromised systems.	4	High	Akif Panari

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Sprint-2	Digital Forensics & Analysis	USN-4	As a forensic analyst, I can investigate and trace the origin of an attack using forensic tools.	3	Medium	Abhishek Patil
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### Sprint-3: Cybersecurity Defence Mechanisms

Sprint	Functional Requirement (Epic)	USN	User Story	Story Points	Priority	Team Member
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	Anuj Kadam
Sprint-3	Cybersecurity Defence Mechanisms	USN-6	As a developer, I can set up multi-factor authentication (MFA) in a demo application.	3	Medium	Arin Irache

### Sprint-4: Network Security & Monitoring

Sprint	Functional Requirement (Epic)	USN	User Story	Story Points	Priority	Team Member
Sprint-4	Network Security & Monitoring	USN-7	As a security analyst, I can analyze network packet data using Wireshark.	3	Medium	Akif Panari
Sprint-4	Network Security & Monitoring	USN-8	As a cybersecurity educator, I can create awareness material on social engineering attacks.	3	High	Abhishek Patil

### Sprint-5: Security Awareness & Best Practices

Sprint	Functional Requirement (Epic)	USN	User Story	Story Points	Priority	Team Member
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Sprint-5	Security Awareness &	USN-9	As a cybersecurity educator, I can develop	3	High	Anuj Kadam
	Best Practices		training modules for security best practices.			
Sprint-5	Security Awareness & Best Practices	USN-10	As an end user, I can learn best security practices to protect my personal data online.	2	Medium	Arin Irache

### 3. PROJECT TRACKER, VELOCITY & BURNDOWN CHART (4 Marks)

#### Sprint Tracker

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 Calculation

Velocity = Total Story Points Completed / Number of Sprints

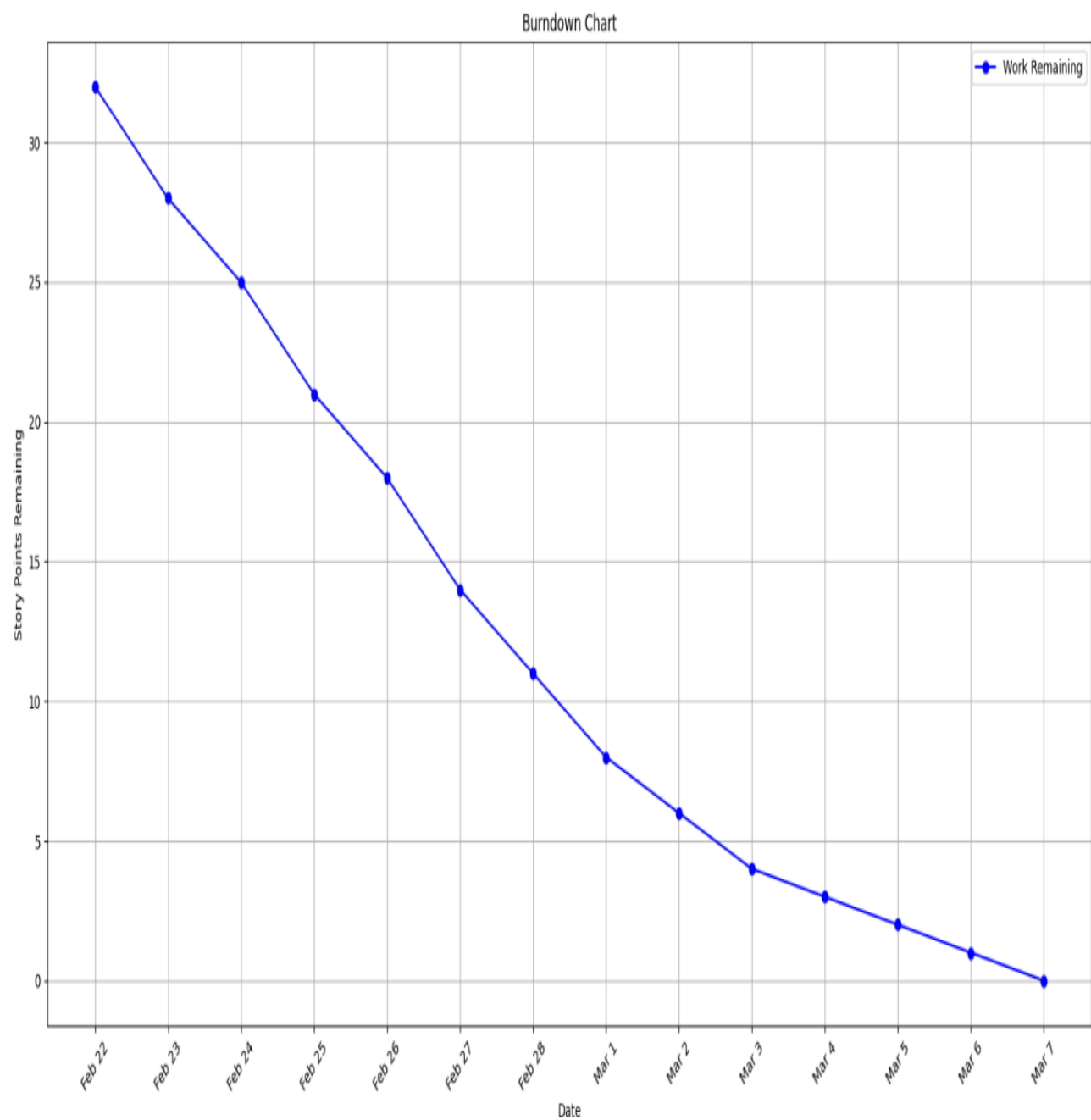
$$= (7 + 7 + 7 + 6 + 5) / 5$$

$$= 32 / 5$$

$$\approx 6.4 \text{ story points per sprint}$$

# Burndown Chart

Burndown Chart:



## 4. CONCLUSION

This project planning document outlines the strategic roadmap for exploring cybersecurity threats and solutions in the digital age. It details the product backlog, sprint schedules, and a project tracker that together enable the team to manage tasks efficiently and monitor progress toward achieving the project goals.

