Project Planning Phase

Date	2 November 2025
Team ID	NM2025TMID06157
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User & Role Setup	USN-1	As an admin, I can create user profiles and assign roles (e.g., Project Manager, Team Member).	2	High	Aswini R
Sprint-1	Access Control Policy	USN-2	As an admin, I can define permissions for each role to manage access to project data.	3	High	Abinaya M R
Sprint-2	Workflow Automation	USN-3	As a system, I can automatically assign tasks and approvals based on user roles.	4	High	Subi K

Sprint	User Story	USN	User Story / Task	Points	Priority	Assigned To
Sprint-2	Group Management	USN-4	As an admin, I can organize users into groups for collaborative project tracking.	3	Medium	Thabisha Lipna J
Sprint-3	Activity Tracking	USN-5	As a project manager, I can monitor progress and role-based actions in real time.	3	Medium	Aswini R
Sprint-3	Documentation	USN-6	As a developer, I can document the design, workflow, and architecture for submission.	2	Medium	Aswini R

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	20	1 Day	29 Oct 2025	29 Oct 2025	20	29 Oct 2025
Sprint-2	20	1 Day	30 Oct 2025	30 Oct 2025	19	30 Oct 2025
Sprint-3	20	1 Day	31 Oct 2025	31 Oct 2025	20	31 Oct 2025
Sprint-4	20	1 Day	02 Nov 2025	02 Nov 2025	20	02 Nov 2025

Formula:

Average Velocity = Total Duration (in Days) / Total Story Points Completed

Example Calculation:

Total = 79 points over 5 days

→ Velocity = 15.8 points/day

Burndown Chart

The burndown chart shows the rapid completion of all tasks within 5 days.

Each sprint focuses on a specific module:

Sprint-1: User & Role Setup

Sprint-2: Access Control Policies

Sprint-3: Workflow Automation

Sprint-4: Testing & Documentation

The chart line sharply declines from 80 story points to 0 by Day 5 — indicating efficient execution and on-time delivery.