Project Planning Phase
Project Planning

DATE	AUGUST 11 , 2025
NAME	LENKA KARTHIKEYA
PROJECT NAME	LAPTOP REQUEST CATALOG ITEM
COLLEGE	MVGR COLLEGE OF ENGINEERING

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Catalog Item Creation	USN-1	As a user, I can access the Laptop Request item from the Service Catalog and view the form.	2	High	All
Sprint-1	Catalog Form Configuration	USN-2	As a user, I can fill out Laptop Model, Justification, and Accessories fields in the form.	2	High	All
Sprint-1	Dynamic Behavior	USN-3	As a user, I will see the Accessories Details field only when I select “Additional Accessories.”	1	High	Yogitha
Sprint-1	Form Validation	USN-4	As a user, I cannot submit the form without filling required fields (e.g., justification).	1	Medium	Bhavana
Sprint-2	Reset Function	USN-5	As a user, I can click a reset button to clear the form and receive a confirmation alert.	2	High	Srinidhi

Sprint-2	Data Storage	USN-5	As an admin, I can view the submitted laptop requests in ServiceNow tables.	2	High	Bhavana
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Update Set Management	USN-5	As a developer, I can export the update set and import it into a new instance for reuse.	3	High	All
Sprint-3	Testing & Validation	USN-5	As a tester, I can verify the behavior of the form, including field visibility and validation.	2	High	All

Project Tracker, Velocity & Burndown Chart:

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	6 Days	12 Feb 2025	17 Feb 2025	20	17 Feb 2025
Sprint-2	20	6 Days	18 Feb 2025	23 Feb 2025	18	23 Feb 2025

Sprint-3	**20**	**6 Days**	**24 Feb 2025**	**29 Feb 2025**	**16**	**01 Mar 2025**
Sprint-4	**20**	**6 Days**	**01 Mar 2025**	**06 Mar 2025**	**20**	**06 Mar 2025**

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$