

Project Planning Phase

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

Date	03 July 2025
Team ID	LTVIP2025TMID36366
Project Name	Pattern Sense: Classifying Fabric Patterns using Deep Learning
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	System shall allow users to upload single or multiple fabric images.	USN-1	Gather & preprocess fabric image dataset	2	High	Tejeshwaran, Syam Krupa naik,
Sprint-1	System shall classify images into predefined fabric pattern types (e.g., floral, stripe).	USN-2	Define pattern categories	2	Medium	Swapna Uma sarada
Sprint-2	System shall return classification results with a confidence score.	USN-3	Perform data augmentation.	2	High	Tejeshwaran, Syam Krupa naik,
Sprint-3	System shall provide a user interface to view and manage results.	USN-4	Build baseline CNN model	2	Low	Swapna Uma sarada

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	40	12 Days				29 Oct 2022
Sprint-2	20	6 Days				
Sprint-3	20	6 Days				

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)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>