

Project Planning Phase

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

Date: 15 June 2025

Team ID: LTVIP2025TMID34516

Project Name: Pattern Scene - Classifying Fabric Patterns Using Deep Learning

Maximum Marks: 5 Marks

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

Sprint	Epic	US No.	User Story / Task	Points	Priority	Team Member
Sprint-1	Image Upload	USN-1	As a user, I can upload a fabric image for classification.	3	High	Dev A, Dev B
Sprint-1	Classification Output	USN-2	As a user, I can receive the predicted pattern from the model.	2	High	Dev B
Sprint-2	Feedback Module	USN-3	As a user, I can flag incorrect predictions and provide feedback.	2	Medium	Dev C
Sprint-2	Admin Dashboard	USN-4	As an admin, I can view system usage and manage the model.	3	High	Dev A, Dev D
Sprint-3	Training API	USN-5	As a researcher, I can upload labeled data to train the model.	5	Medium	Dev C
Sprint-3	Authentication	USN-6	As a user, I can sign up and sign in securely using OAuth.	2	High	Dev D

Sprint Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Story Pts	Duration	Start Date	End Date	Pts Done	Release Date
Sprint-1	5	5 Days	20 Jun 2025	24 Jun 2025	5	24 Jun 2025
Sprint-2	5	5 Days	25 Jun 2025	29 Jun 2025	5	29 Jun 2025
Sprint-3	7	5 Days	30 Jun 2025	4 Jul 2025	-	-

Velocity & Burndown Summary

- Average Velocity: $(5 + 5) / 2 = 5$ Story Points/Sprint
 - Velocity per day: $5 \text{ SP} / 5 \text{ Days} = 1 \text{ SP/day}$
 - Burndown Chart: Sprint-1 and Sprint-2 completed. Sprint-3 in progress.
- Use a line graph to plot remaining story points per day over sprint duration.