

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	27 th june 2025
Team ID	LTVIP2025TMID42332
Project Name	Enchanted Wings: Marvel of Butterfly species
Maximum Marks	5 Marks

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

Project Planning Template

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	Data Collection	USN-1	As a developer, I can collect and load butterfly images into project folders	2	High	Y. Ruhinaaz
Sprint-1	Data Preprocessing	USN-2	As a developer, I can clean and preprocess the butterfly dataset	3	High	S.K Suhana Anjum
Sprint-1	Model Preparation	USN-3	As a developer, I can build and train a CNN (MobileNetV2) model for classification	3	High	S.K Suhana Anjum
Sprint-1	Basic UI Development	USN-4	As a frontend developer, I can create a simple UI for image upload and result display	2	Medium	B. Pranathi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Manual Testing	USN-5	As a tester, I can manually test model predictions on new butterfly images	2	Medium	Y. Himabindu
Sprint-2	Flask Deployment	USN-6	As a developer, I can deploy the model using Flask for offline or online access	5	High	B. Pranathi
Sprint-2	Model Evaluation	USN-7	As a developer, I can evaluate the model using validation accuracy and confusion matrix	3	High	Y. Himabindu
Sprint-2	Prediction History Logging	USN-8	As a developer, I can log predictions into MongoDB or SQLite	3	Medium	S.K Suhana Anjum
Sprint-2	UI Enhancement	USN-9	As a frontend developer, I can display butterfly facts alongside prediction results	2	Low	B. Pranathi
Sprint-2	Final Testing and Verification	USN-10	As a tester, I can verify the functionality and offline support across systems	3	Medium	Y. Himabindu

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	12	5 Days	01 Feb 2025	05 Feb 2025	12	05 Feb 2025
Sprint-2	16	5 Days	06 Feb 2025	10 Feb 2025	16	10 Feb 2025

Velocity Calculation

$$\text{Velocity} = \frac{\text{Total Story Points}}{\text{No. of Sprints}} = \frac{12 + 16}{2} = 14 \text{ Story Points/Sprint}$$

Burndown Chart

You can use tools like Excel or Atlassian's [Burndown Chart Tool](#) to create a graphical representation. The chart will show daily remaining points going from 28 → 0 over the 2 sprint duration (10 days total).