

Project Planning Phase

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

Date	12 June 2025
Team ID	LTVIP2025TMID32493
Project Name	Enchanted Wings: Marvels of Butterfly Species
Maximum Marks	5 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dataset Preparation	USN-1	Collect, clean, and split butterfly image dataset	5	High	K. Uday Kumar
Sprint-1	Model Setup	USN-2	Set up transfer learning using pre-trained CNN Complete transfer learning implementation	3	High	K. Chaitanya
Sprint-2	Model Training	USN-3	Train model to classify 75 butterfly species	8	High	K. Chaitanya
Sprint-2	Model Evaluation	USN-4	Evaluate model performance (accuracy, confusion matrix)	3	High	K. Chaitanya
Sprint-3	Real-time Prediction App	USN-5	Build lightweight app for field classification	13	Medium	K. Uday Kumar
Sprint-3	User Upload + Identification	USN-6	Upload butterfly image and get species name	8	Medium	CH. Sai Karthik
Sprint-3	Batch Image Classification	USN-7	Enable batch image upload and classification	5	Medium	CH. Sai Karthik
Sprint-3	Results Visualization	USN-8	Create dashboard for visualizing classification stats	8	Low	K. Uday Kumar

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	11	6 Days	12 June 2025	18 June 2025	11	12 June 2025
Sprint-2	18	6 Days	18 June 2025	24 July 2025	18	24 June 2025

Velocity:

Total Story Points = 29 (11 + 18)

Number of Sprints = 2

Velocity = $29 / 2 = 14.5$ Story Points per Sprint

Burndown Chart:

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>