

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

Date	27 June 2025
Team ID	LTVIP2025TMID5573
Project Name	Enchanted wings:Marvels of Butterfly species
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	UI/UX Setup	USN-1	As a user, I can visit a welcome page with animated butterflies and project title	2	High	Sajja Phani Kumar, SK Shainaz
Sprint-1	Authentication	USN-2	As a user, I can register for the app using email and password	3	High	Sajja Phani Kumar, Ramya Sritha Jami
Sprint-1	Authentication	USN-3	As a user, I can log in securely using my credentials	2	High	Sajja Phani Kumar, Pulakunta Sai Jyothi
Sprint-2	Image Upload &	USN-4	As a user, I can upload a butterfly image and	5	High	Sajja Phani

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Prediction Flow		get an accurate species prediction			Kumar, SK Shainaz
Sprint-2	Model Integration	USN-5	As a developer, I can load and use a trained VGG16 model for predictions	3	Medium	Sajja Phani Kumar, Ramya Sritha Jami
Sprint-3	Output Interface	USN-6	As a user, I can view prediction results in a styled result page	2	Medium	Sajja Phani Kumar, Pulakunta Sai Jyothi
Sprint-3	About Page	USN-7	As a user, I can learn about the purpose, tech stack, and goals of the app	2	Low	Sajja Phani Kumar, SK Shainaz
Sprint-4	Deployment	USN-8	As a developer, I can run the app using Flask and access it locally	3	Medium	Sajja Phani Kumar, Ramya Sritha Jami
Sprint-4	Final Touches	USN-9	As a user, I can interact with a responsive, visually appealing UI	2	High	Sajja Phani Kumar, Pulakunta Sai Jyothi

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	7	5 Days	14 June 2025	18 June 2025	7	19 June 2025
Sprint-2	8	5 Days	19 June 2025	24 June 2025	8	25 June 2025
Sprint-3	4	5 Days	24 June 2025	29 June 2025	4	29 June 2025
Sprint-4	5	1 Days	29 June 2025	29 June 2025	5	29 June 2025

Velocity:

Total Story Points: 24

- No. of Sprints: **4**
- Average Velocity:

Velocity = $24/4 = 6$ story points per sprint.

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>