

Project Planning Phase

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

Date:	25 June 2025
Team ID:	LTVIP2025TMID36354
Project Name:	Enchanted Wings: Marvels of Butterfly Species
Maximum Marks:	5 Marks

Product Backlog, Sprint Schedule, and Estimation :

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a system, I want to collect butterfly datasets from reliable online sources.	2	High	Ganesh
Sprint-1	Data Collection	USN-2	As a developer, I want to load image data and store metadata for inspection.	1	Medium	Ganesh
Sprint-1	Data Preprocessing	USN-3	As a data scientist, I want to handle missing/corrupted data using pandas tools.	3	High	Santosh
Sprint-1	Data Preprocessing	USN-4	As a data scientist, I want to encode species labels into numerical values.	2	Medium	Santosh
Sprint-2	Model Building	USN-5	As a developer, I want to build a classification model for butterfly species.	5	High	Jeevan
Sprint-2	Model Building	USN-6	As a QA, I want to test the model for accuracy, precision, and recall.	3	High	Jeevan
Sprint-2	Deployment	USN-7	As a user, I want to upload an	3	Medium	Sudarshan

			image and view results on a web page.			
Sprint-2	Deployment	USN-8	As a developer, I want to deploy the app using Flask and integrate the model.	5	High	Sudarshan

Project Tracker, Velocity & Burndown Chart :

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed
Sprint-1	8	5 Days	18 June 2025	22 June 2025	8
Sprint-2	16	5 Days	23 June 2025	27 June 2025	16

Velocity Calculation:

- Total Story Points Completed = 24
- Number of Sprints = 2
- Velocity = $24 / 2 = 12$ Story Points per Sprint