

Project Planning Phase

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

Date	27-06-2025
Team ID	LTVIP2025TMID59407
Project Name	Enchanted Wings: Marvels of Butterfly Species
Maximum Marks	5 Marks

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

.1 Sprint Planning

Sprint	Task	Story Point
Sprint 1 (Day 1–5)	Collect Dataset	2
	Load Dataset	1
	Handle Missing Values	3
	Encode Categorical Variables	2
Total		8

Sprint	Task	Story Point
Sprint 2 (Day 6–10)	Model Building	5
	Model Testing	3
	Create HTML Pages	3

	Deploy with Flask	5
Total		16

Project Tracker, Velocity & Burndown Chart: (4 Marks)

5.2 Sprint Schedule

Day	Activity	Sprint
1	Dataset Collection & Upload	Sprint 1
2	Data Cleaning and Structuring	Sprint 1
3	Missing Value Handling & Preprocessing	Sprint 1
4	Label Encoding & Normalization	Sprint 1
5	Data Verification and Backup	Sprint 1
6	Model Architecture Setup (VGG16)	Sprint 2
7	Model Training Start	Sprint 2
8	Model Training End & Evaluation	Sprint 2
9	HTML Page Creation (UI)	Sprint 2

10	Flask Integration & Final Testing	Sprint 2
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Team Velocity = Total Story Points / Number of Sprints = 24 / 2 = 12 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>