

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

Date	October 2023
Team ID	Team-592617
Project Name	Jungle Detectives: AI-Powered Image Classification of Wild Big Cats
Maximum Marks	8 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	Data Collection and Preparation	USN-1	Collecting big cats' images with appropriate class.	10	High	Aaryan, Rounak
Sprint-2	Model selection	USN-2	Training various TL models on the dataset	15	High	Sushil, Aaryan, Rounak
Sprint-3	Performance analysis	USN-3	Comparing the performance metrics of all the models used and selecting the best.	5	High	Sushil, Rounak
Sprint-4	Saving the model	USN-4	Saving the weights of best performing model to use in final app.	5	Medium	Sushil
Sprint-5	Web app	USN-5	Deploying the TL model using a Flask web app.	25	High	Sushil, Aaryan, Rounak

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	10	2 Days	25 Oct 2023	27 Oct 2023	10	27 Oct 2023
Sprint-2	25	3 Days	27 Oct 2023	30 Oct 2023	25	30 Oct 2023
Sprint-3	30	1 Days	30 Oct 2023	31 Oct 2023	30	31 Oct 2023
Sprint-4	35	1 Days	1 Nov 2023	2 Nov 2023	35	2 Nov 2023
Sprint-5	60	5 Days	2 Nov 2023	7 Nov 2023	60	7 Nov 2023

Velocity:

Team's average velocity (AV) per iteration unit (story points per day):

Total story points completed

= Sprint 1 + Sprint 2 + Sprint 3 + Sprint 4 + Sprint 5

= 60

Total duration

= Sprint 1 + Sprint 2 + Sprint 3 + Sprint 4 + Sprint 5

= 12

$$AV = \frac{\text{Total Story Points Completed}}{\text{Total Duration}} = \frac{60}{12} = 5$$

Burndown Chart:

