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

Date	27 October 2023
Team ID	Team - 592719
Project Name	Project - Jungle Detectives: AI-Powered Image Classification of Wild Big Cats
Maximum Marks	8 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
Customer (Mobile App user)						
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	4	High	
Sprint-1	Dashboard	USN-5	As a user, I can capture an image and upload it in the application.	5	High	
Sprint-2		USN-6	As a user, I can select an image from gallery and upload it in the application.	5	High	
Sprint-1	Inference	USN-7	As a user, I can see the name of the animal in the picture after identification is done.	5	High	
Sprint -2		USN-8	As a user, I can see the information about the animal in the picture after identification is done.	4	Medium	

Sprint-3	Feedback	USN-9	As a user, I can submit my feedback for the application.	3	Low	
Customer (Web App user)						
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	4	High	
Sprint-1	Dashboard	USN-5	As a user, I can select an image from gallery and upload it in the application.	5	High	
Sprint-1	Inference	USN-6	As a user, I can see the name of the animal in the picture after identification is done.	5	High	
Sprint-2		USN-7	As a user, I can see the information about the animal in the picture after identification is done.	4	Medium	
Sprint-3	Feedback	USN-8	As a user, I can submit my feedback for the application.	3	Low	
Customer Care Executive						
Sprint-2	Registration	USN-1	As a CCE, I can register for the application by entering my email, password, and confirming my password.	5	High	
Sprint-2		USN-2	As a CCE, I will receive confirmation email once I have registered for the application	3	High	
Sprint-2	Login	USN-3	As a CCE, I can log into the application by entering email & password	5	High	
Sprint-3	Dashboard	USN-4	As a CCE, I can review the feedbacks submitted by the users.	3	Low	

Administrator						
Sprint-1	Registration	USN-1	As an Admin, I can register for the application by entering my email, password, and confirming my password.	5	High	
Sprint-2		USN-2	As an Admin, I will receive confirmation email once I have registered for the application	4	High	
Sprint-1	Login	USN-3	As an Admin, I can log into the application by entering email & password	5	High	
Sprint-2	Dashboard	USN-4	As an Admin, I can access the datasets present.	4	Medium	
Sprint-3		USN-5	As an Admin, I can see the Employee and customer details.	3	Medium	
Sprint-3		USN-6	As an Admin, I can alter the ML model of the system.	4	Medium	

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	56	9 Days	17 Oct 2023	25 Oct 2023	52	26 Oct 2022
Sprint-2	38	9 Days	22 Oct 2023	30 Oct 2023	32	29 Oct 2022
Sprint-3	16	8 Days	31 Oct 2023	7 Nov 2023	-	Tentative

Velocity:

We have a 26-day sprint duration, and the velocity of the team is 37 (points per sprint) on average. Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{Points\ per\ Sprint}{Sprint\ Duration} = \frac{37}{26} = 1.42 = 1.5\ \textbf{(aprox)}$$

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