Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID40321
Project Name	Project – Digital Naturalist- AI Enabled tool for Biodiversity Researchers
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
Sprint-3	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Nivethaa S Prashidha S
Sprint-1	Data Agumentation	USN-4	Agument the collection of dataset	5	Medium	Prashidha S Nivetha S
Sprint-3	Login	USN-5	As a user, I can log into the application by entering email & password	2	High	Nivethaa S Prashidha S
Sprint-1	Dataset	USN-6	Collection of all dataset for pre processing	5	High	Aruna B Nivetha S
Sprint-2	Loading data and pre processing	USN-7	Loading the dataset and pre processing the images.	2	Medium	Aruna B Nivethaa S
Sprint-2	Start with Convolutional Neural Network	USN-8	Perform CNN with pre processed dataset.	3	Medium	Prashidha S Nivetha S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Train and Test the model	USN-9	Training and Testing the model	2	High	Nivethaa S Prashidha S
Sprint-3	Evaluate and save the model	USN-10	Save the trained model	4	Medium	Aruna B Nivetha S
Sprint-3	Build application	USN-11	Build the Application for identification	4	High	Aruna B Nivethaa S
Sprint-4	Species, Mammals, Birds identification	USN-12	Indentify the given images	5	High	Prashidha S Nivetha S
Sprint-4	Logout	USN-13	Logout form the App	3	Low	Nivethaa.S Prashidha S

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	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	
Sprint-3	12	6 Days	07 Nov 2022	12 Nov 2022	8	
Sprint-4	4	6 Days	14 Nov 2022	19 Nov 2022	8	

Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

For Sprint-1 the Average Velocity (AV) is: **AV = Sprint Duration / velocity = 10 / 6 = 1.6**

For Sprint-2 the Average Velocity (AV) is: **AV = Sprint Duration / velocity = 10 / 6 = 1.6**

For Sprint-3 the Average Velocity (AV) is: **AV = Sprint Duration / velocity = 12/ 6 = 2.0**

For Sprint-4 the Average Velocity (AV) is: **AV = Sprint Duration / velocity = 8/ 6 = 1.3**

TOTAL AVERAGE VELOCITY = 5.8

Burndown chart: