Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID43253
Project Name	Digital Naturalist - AI Enabled tool for Biodiversity Researchers
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	Registration	USN-1	As a user, I can register for the application byentering my email, password, and confirming my password.	2	High	Prakash R
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	2	Low	Ragavan R
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	1	Medium	Mukesh kumar M
Sprint-1		USN-4	As a user, I can upload the image to identify the species.	3	High	Arivazhagan P
Sprint-1	Dataset collection	USN-5	Datasets are collected to train the model.	2	High	Prakash R
Sprint-2	Data Pre-processing	USN-6	The data is loaded and Pre-processed to train the model.	4	High	Ragavan R
Sprint-2	Build and Train the model	USN-7	The model is trained using Training dataset.	8	High	Mukesh kumar R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Evaluate the model	USN-8	The model is evaluated.	6	High	Arivazhagan P
Sprint-3	Create Application	USN-9	Application is built using Python Flask.	8	Medium	Prakash R
Sprint-3	Load the model	USN-10	The model is loaded into Python Flask.	6	High	Mukeshkumar M
Sprint-4	Species identification	USN-11	As a user, I can view the species details.	6	Medium	Ragavan R
Sprint-4	Logout	USN-12	As a user, I can logout of the application.	2	Low	Arivazhagan P

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		29 Oct 2022
Sprint-2	18	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	14	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	8	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

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 = 18 / 6 = 3.0

For Sprint-3 the Average Velocity (AV) is:

AV = Sprint Duration / velocity = 14 / 6 = 2.3

For Sprint-4 the Average Velocity (AV) is:

AV = Sprint Duration / velocity = 8/ 6 = 1.3

TOTAL AVERAGE VELOCITY = 2.05

Burndown chart: