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

Date	31 October 2022
Team ID	PNT2022TMID45688
Project Name	Digital Naturalist - AI Enabled tool for Biodiversity Researchers
Maximum Marks	8 Marks

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

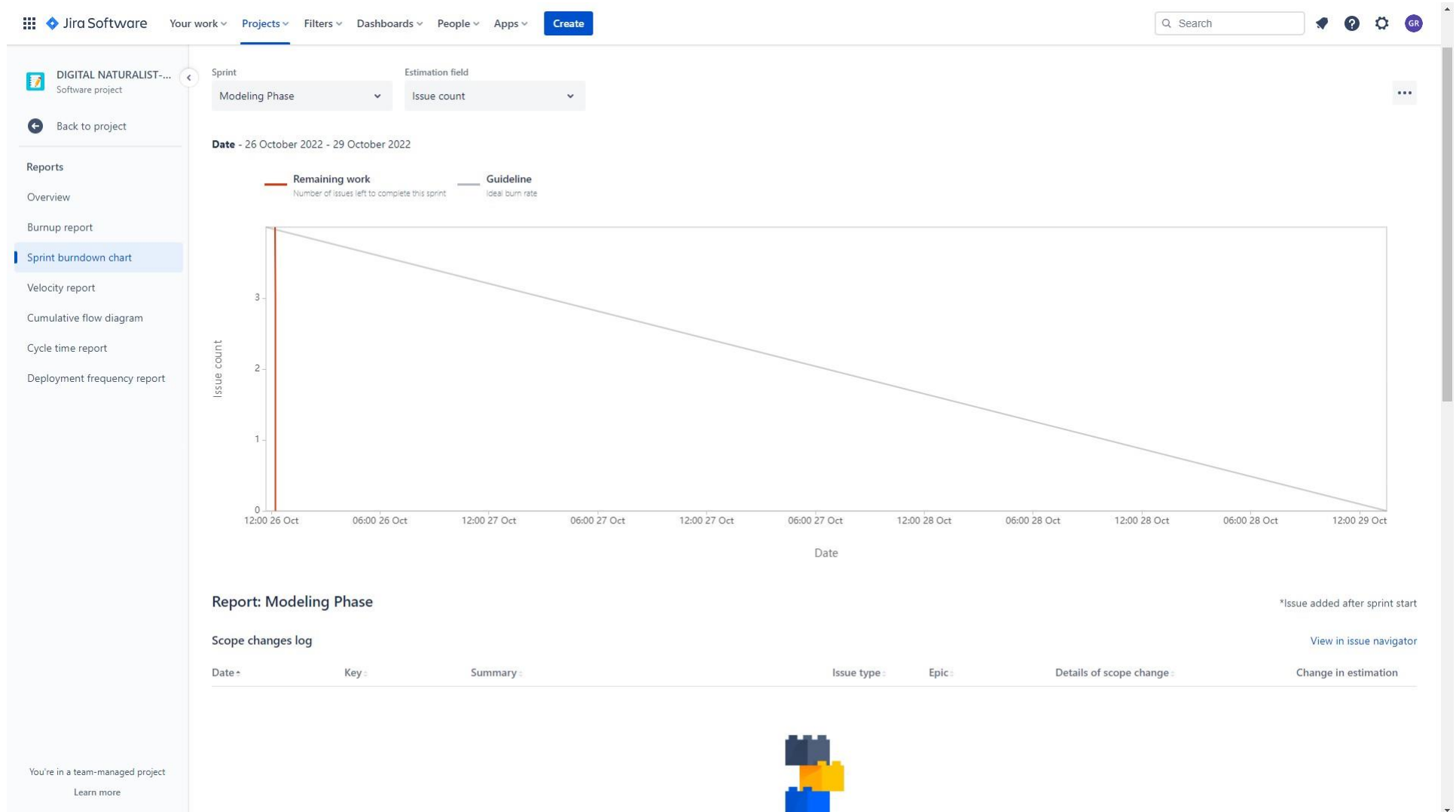| Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Modelling Phase	USN-1	Data Collecting and digitalizing for analysing	3	Medium	Abina A
Sprint-1		USN-2	Adding more data to avoid overfitting	2	Medium	Priyalakshmi P
Sprint-1		USN-3	Building a CNN model using the collected data	5	High	Ramya S
Sprint-1		USN-4	Evaluating the model to check the accuracy and precision	3	High	Keerthana S
Sprint-2	Development Phase	USN-5	Home page Creation – Shows the features of our application	1	Low	Keerthana S
Sprint-2		USN-6	Setting up facilities for user to feed the image	2	Medium	Abina A
Sprint-2		USN-7	Prediction page creation – shows prediction for the user given image	4	Medium	Keerthana S
Sprint-2		USN-8	Model loading – API creation using flask	5	High	Priyalakshmi P
Sprint-3	Deployment Phase	USN-9	Integrating UI & backend – Connecting the front end and backend using API calls	3	Medium	Ramya S
Sprint-3		USN-10	Cloud deployment – Deployment of application using IBM Cloud	5	High	Keerthana S
Sprint-4	Testing Phase	USN-11	Functional testing – Checking the scalability and robustness of the application	5	High	Keerthana S, Abina A
Sprint-4		USN-12	Non-Functional testing – Checking for user acceptance and integration	5	High	Ramya S, Priyalakshmi 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	13	6 Days	24 Oct 2022	29 Oct 2022	13	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:

Average Velocity = 61/24 = 2.51

Burndown Chart:

Roadmap: