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

Date	18 October 2022
Team ID	PNT2022TMID00699
Project Name	Project - 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 Collection and digitalizing for analyzing	3	Medium	SWETHA.K
Sprint-1		USN-2	Adding more data to avoid overfitting	3	Medium	RAKSHANA.B
Sprint-1		USN-3	Building a CNN model using the collected data	5	High	VIJAYALAKSHMI.K
Sprint-1		USN-4	Evaluating the model to check the accuracy and precision	4	High	SWETHA.S
Sprint-2	Development Phase	USN-5	Home page Creation – Shows the features of our application	2	Low	SWETHA.S
Sprint-2		USN-6	Setting up facilities for user to feed the image	3	Medium	RAKSHANA.B
Sprint-2		USN-7	Prediction page creation – shows prediction for the user given image	5	High	SWETHA.K
Sprint-2		USN-8	Model loading – API creation using flask	5	High	VIJAYALAKSHMI.K
Sprint-3	Deployment Phase	USN-9	Integrating UI & backend – Connecting the front end and backend using API calls	4	Medium	SWETHA.K
Sprint-3		USN-10	Cloud deployment – Deployment of application using IBM Cloud	5	High	VIJAYALAKSHMI.K
Sprint-4	Testing Phase	USN-11	Functional testing – Checking the scalability and robustness of the application	5	High	RAKSHANA.B
Sprint-4		USN-12	Non-Functional testing – Checking for user acceptance and integration	5	High	SWETHA.S

Project Tracker, Velocity & Burndown Chart: (4 Marks)
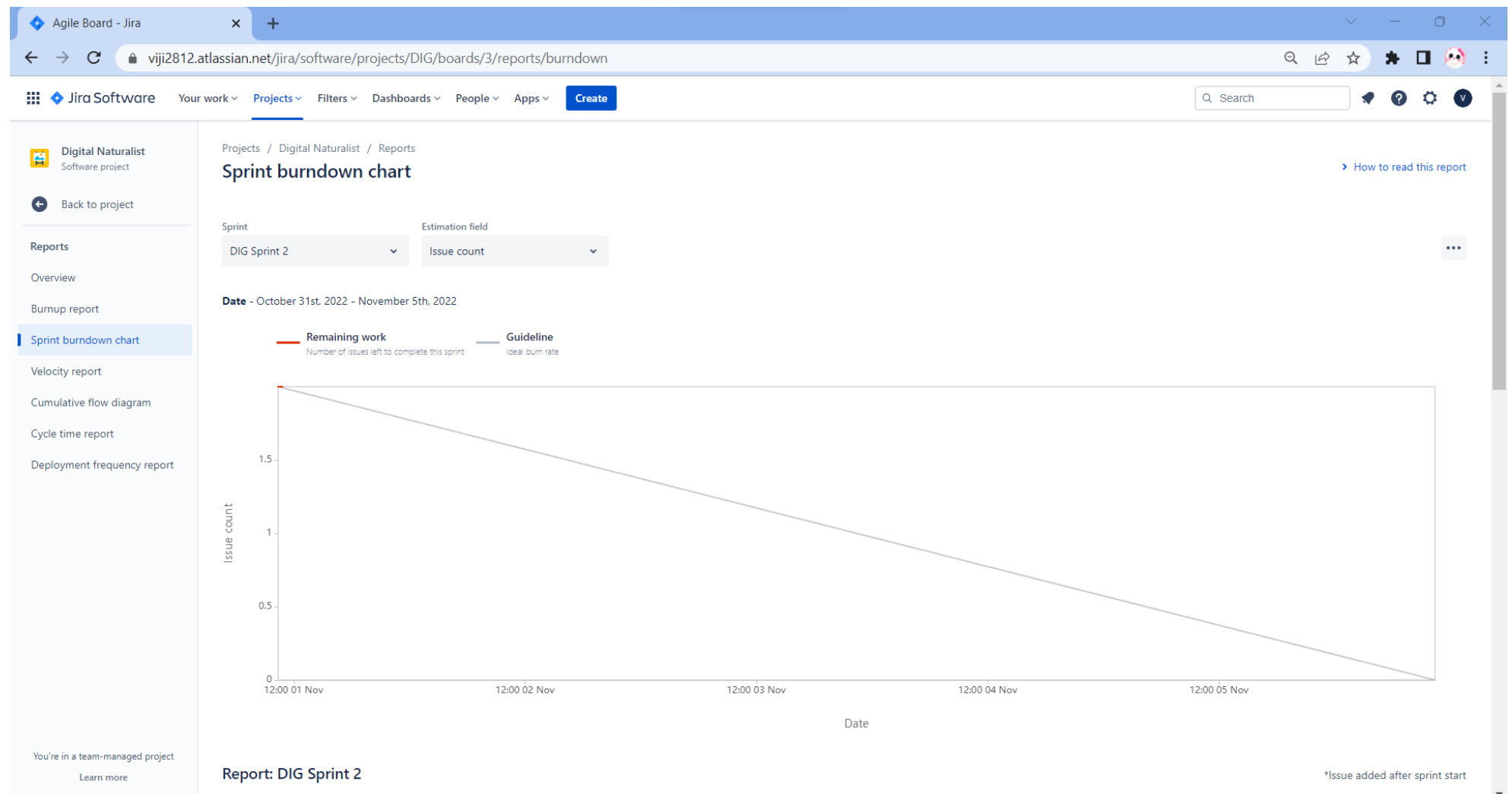
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	15	6 Days	24 Oct 2022	29 Oct 2022	15	29 Oct 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022	15	05 Nov 2022
Sprint-3	09	6 Days	07 Nov 2022	12 Nov 2022	09	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:

Average Velocity = Sprint duration/velocity

= 15/6

= 2.5

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.

Roadmap: