

Project Planning Phase

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

Date	7 November 2022
Team ID	PNT2022TMID50366
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	S.Thenmozhi
Sprint-1		USN-2	Adding more data to avoid overfitting	2	Medium	T.Indra
Sprint-1		USN-3	Building a CNN model using the collected data	5	High	R.Esakki
Sprint-1		USN-4	Evaluating the model to check the accuracy and precision	3	High	S.Thenmozhi
Sprint-2	Development Phase	USN-5	Home page Creation – Shows the features of our application	1	Low	R.Esakki
Sprint-2		USN-6	Setting up facilities for user to feed the image	2	Medium	I.chellammal
Sprint-2		USN-7	Prediction page creation – shows prediction for the user given image	4	Medium	S.Thenmozhi
Sprint-2		USN-8	Model loading – API creation using flask	5	High	R.Esakki
Sprint-3	Deployment Phase	USN-9	Integrating UI & backend – Connecting the front end and backend using API calls	3	Medium	S.Thenmozhi
Sprint-3		USN-10	Cloud deployment – Deployment of application using IBM Cloud	5	High	I.Chellammal
Sprint-4	Testing Phase	USN-11	Functional testing – Checking the scalability and robustness of the application	5	High	T.Indra

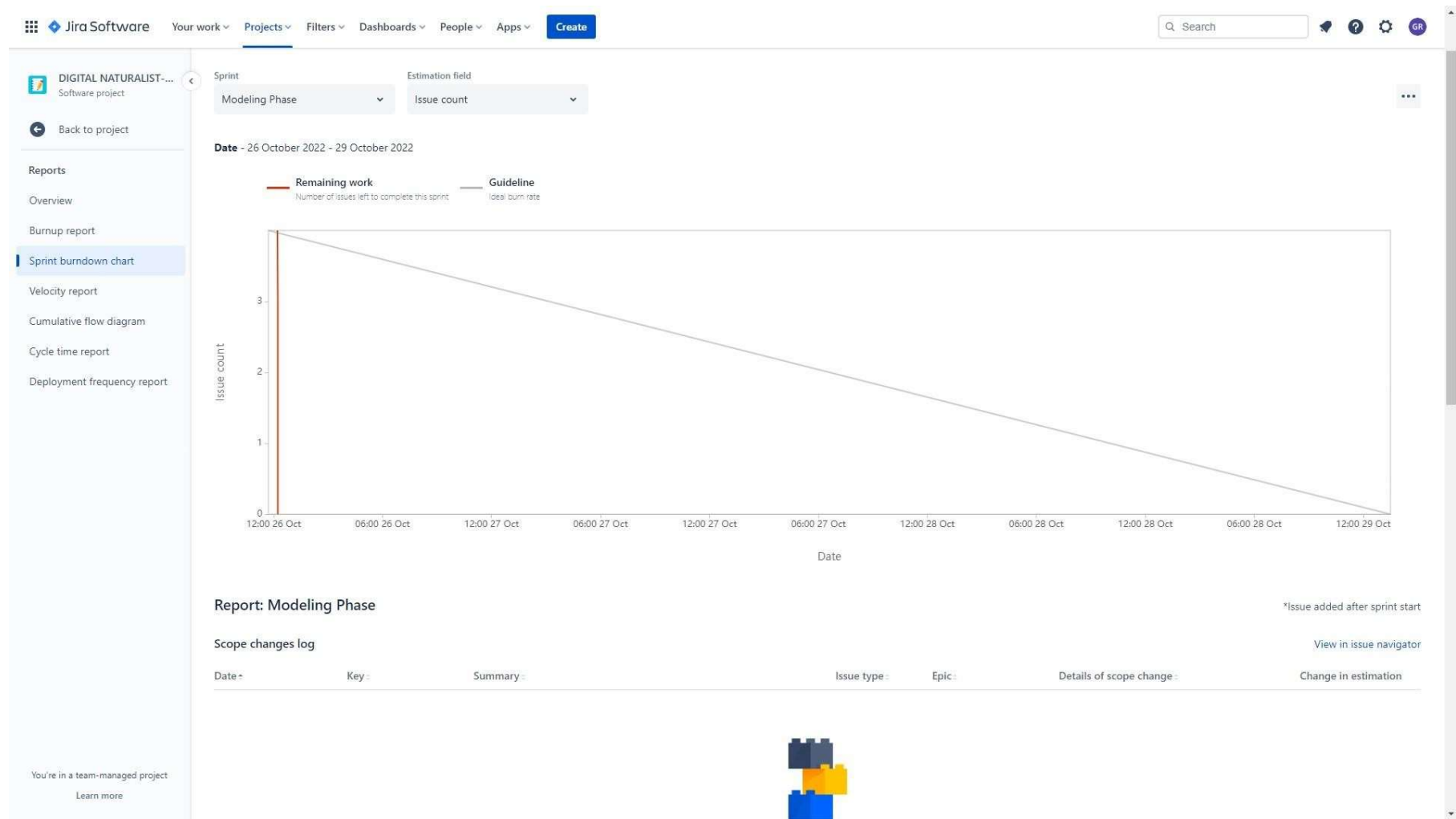
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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

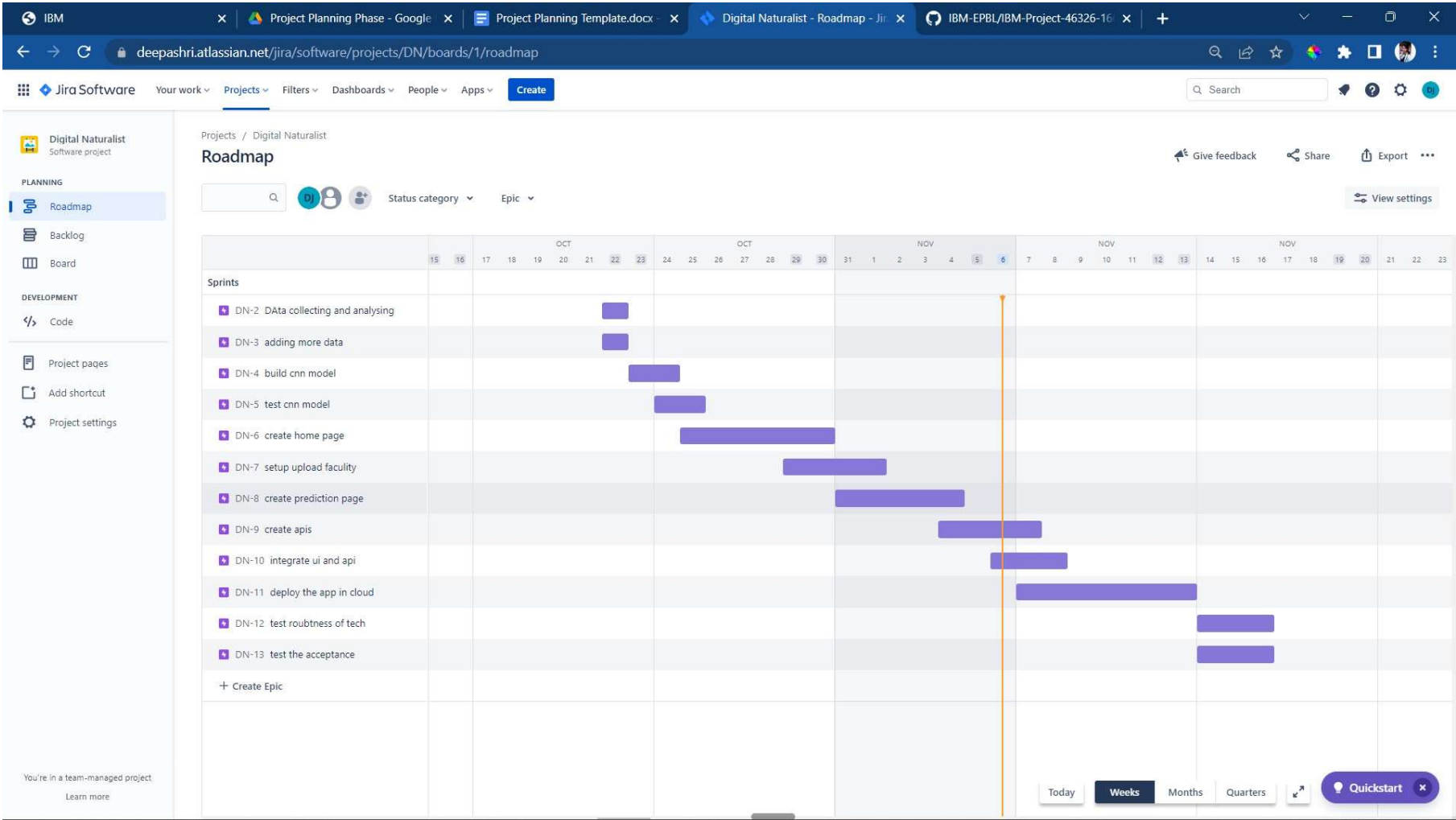
Velocity:

Average Velocity = $61/24 = 2.51$

Burndown Chart:



Roadmap:



Backlog:

The screenshot shows the Jira Software interface for the 'Digital Naturalist' project. The browser tabs at the top include 'IBM', 'Project Planning Phase - Google', 'Project Planning Template.docx', 'Digital Naturalist - Agile board', and 'IBM-EPBL/IBM-Project-36795-16'. The URL is 'deepashri.atlassian.net/jira/software/projects/DN/boards/1/backlog'.

The Jira Software header includes navigation links: 'Your work', 'Projects', 'Filters', 'Dashboards', 'People', 'Apps', and a 'Create' button. A search bar is also present.

The left sidebar shows the project 'Digital Naturalist' with a 'Software project' icon. Under the 'PLANNING' section, 'Roadmap' and 'Backlog' are listed, with 'Backlog' selected. Under the 'DEVELOPMENT' section, 'Code' is listed. At the bottom of the sidebar, it says 'You're in a team-managed project' with a 'Learn more' link.

The main content area features a banner: 'Does your team need more from Jira? Get a free trial of our Standard plan.' Below this, the breadcrumb 'Projects / Digital Naturalist' is shown, followed by the 'Backlog' title and a menu icon. A search bar and a filter dropdown (currently set to 'Epic') are located below the title. An 'Insights' button is on the right.

The backlog is organized into two sections:

- DN Sprint 1** (Add dates, 3 issues): This section has a 'Start sprint' button. It contains three issues:
 - DN-15: As a user, I can register for the application by entering my email, password, and confirming my password. (Status: TO DO)
 - DN-16: As a user, I will receive confirmation email once I have registered for the application (Status: TO DO)
 - DN-17: As a user, I can log into the application by entering Gmail and password (Status: TO DO)A '+ Create issue' button is at the bottom of this section.
- Backlog** (3 issues): This section has a 'Create sprint' button. It contains three issues:
 - DN-19: As a user, I can capture the image of the species (Status: TO DO)
 - DN-18: As a user, I can upload of the Image of the species (Status: TO DO)
 - DN-20: As a user, I need result (Status: TO DO)A '+ Create issue' button is at the bottom of this section.

A 'Quickstart' button is located in the bottom right corner.