

Project Planning Phase

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

Date	19 November 2022
Team ID	PNT2022TMID21731
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	VASANTH T
Sprint-1		USN-2	Adding more data to avoid overfitting	2	Medium	VEERARAGAVAN S
Sprint-1		USN-3	Building a CNN model using the collected data	5	High	VIGNESHWARAN K
Sprint-1		USN-4	Evaluating the model to check the accuracy and precision	3	High	SYED MUNTASIR S K
Sprint-2	Development Phase	USN-5	Home page Creation – Shows the features of our application	1	Low	VIGNESHWARAN K
Sprint-2		USN-6	Setting up facilities for user to feed the image	2	Medium	VASANTH T
Sprint-2		USN-7	Prediction page creation – shows prediction for the user given image	4	Medium	SYED MUNTASIR S K
Sprint-2		USN-8	Model loading – API creation using flask	5	High	VIGNESHWARAN K
Sprint-3	Deployment Phase	USN-9	Integrating UI & backend – Connecting the front end and backend using API calls	3	Medium	SYED MUNTASIR S K
Sprint-3		USN-10	Cloud deployment – Deployment of application using IBM Cloud	5	High	VASANTH T
Sprint-4	Testing Phase	USN-11	Functional testing – Checking the scalability and robustness of the application	5	High	SYED MUNTASIR S K VEERARAGAVAN S
Sprint-4		USN-12	Non-Functional testing – Checking for user acceptance and integration	5	High	VASANTH T VIGNESHWARAN K

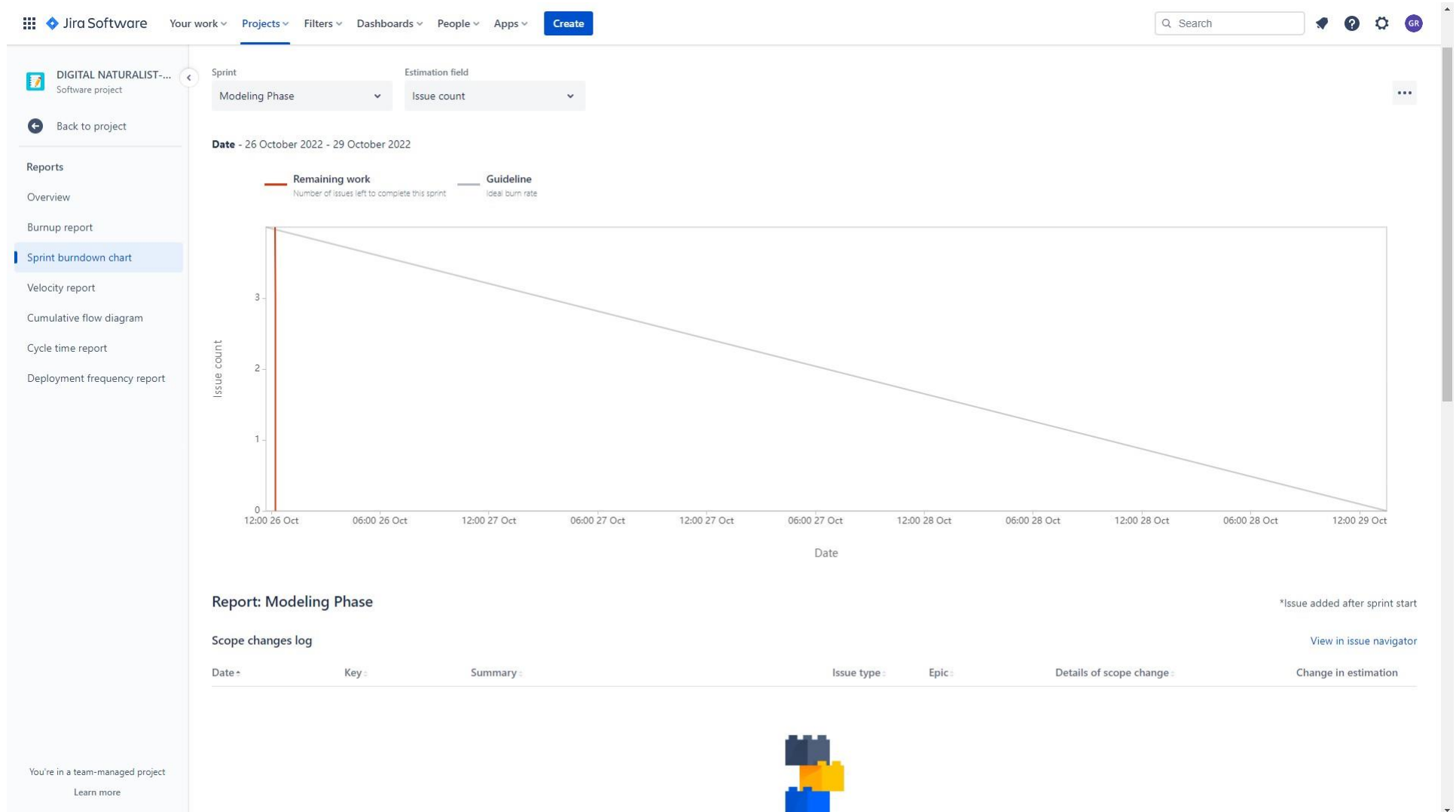
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	19 Nov 2022	13	19 Nov 2022
Sprint-2	12	6 Days	31 Oct 2022	19 Nov 2022	12	19 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	19 Nov 2022	8	19 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:

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DEVELOPMENT

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Roadmap

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	OCT	OCT	NOV	NOV	NOV	NOV																														
	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Sprints																																				
DIGI-1 Data collecting and analysing																																				
DIGI-2 Adding more data																																				
DIGI-3 Build CNN model																																				
DIGI-4 Test CNN model																																				
DIGI-5 Create home page																																				
DIGI-6 Setup upload facility																																				
DIGI-7 Create prededction page																																				
DIGI-8 Create apis																																				
DIGI-9 Integrate ui and api																																				
DIGI-10 Deploy the app in cloud																																				
DIGI-11 Test for robustness of teh appli...																																				
DIGI-12 test the user acceptance and in...																																				
+ Create Epic																																				

Today

Weeks

Months

Quarters