

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID18534
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	Dataset Modelling Phase	USN-1	Data Collecting and digitalizing for analysing	3	Medium	SHANKAR SUBRAMANIYAM G
Sprint-1		USN-2	Adding more data to avoid overfitting	2	Medium	SOUNDHARARAJAN S
Sprint-1		USN-3	Building a CNN model using the collected data	5	High	SHRI KAMAL S
Sprint-1		USN-4	Evaluating the model to check the accuracy and precision	3	High	SHOBANRAM R
Sprint-2	Development Phase	USN-5	Home page Creation – Shows the features of our application	1	Low	SHOBANRAM R
Sprint-2		USN-6	Setting up facilities for user to feed the image	2	Medium	SOUNDHARARAJAN S
Sprint-2		USN-7	Prediction page creation – shows prediction for the user given image	4	Medium	SHANKAR SUBRAMANIYAM G
Sprint-2		USN-8	Model loading – API creation using flask	5	High	SHRI KAMAL S
Sprint-3	Deployment Phase	USN-9	Integrating UI & backend – Connecting the front end and backend using API calls	3	Medium	SHOBANRAM R
Sprint-3		USN-10	Cloud deployment – Deployment of application using IBM Cloud	5	High	SHANKAR SUBRAMANIYAM G
Sprint-4	Testing Phase	USN-11	Functional testing – Checking the scalability and robustness of the application	5	High	SHANKAR SUBRAMANIYAM G
Sprint-4		USN-12	Non-Functional testing – Checking for user acceptance and integration	5	High	SOUNDHARARAJAN S, SHRI KAMAL S

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
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 :

