

## Project Planning Phase

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

<b>Date</b>	31 October 2022
<b>Team ID</b>	PNT2022TMID14372
<b>Project Name</b>	Digital Naturalist - AI Enabled tool for Biodiversity Researchers
<b>Maximum Marks</b>	8 Marks

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

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-1	<b>Initial Phase</b>	USN-1	Data Collecting and grouping it for processing	4	Medium	NITHISH KUMAR
Sprint-1		USN-2	Addition of more data sets to make the model more reliable	3	Medium	NAVEEN KUMAR
Sprint-1		USN-3	Processing the model using CNN algorithm	6	High	PANCHATCHARAM
Sprint-1		USN-4	Evaluating the data sets to verify its correctness and quality	4	High	PRAVEEN KUMAR
Sprint-2	<b>Development Phase</b>	USN-5	Creating an interactive introduction page for the user side	2	Low	PANCHATCHARAM
Sprint-2		USN-6	Adding feature in that page to upload the image	3	Medium	PRAVEEN KUMAR
Sprint-2		USN-7	Analysis is done on the image and appropriate output is displayed according to the input	4	Medium	NAVEEN KUMAR
Sprint-2		USN-8	Importing and using the required API's for model	5	High	NITHISH KUMAR

Sprint-3	<b>Implementation Phase</b>	USN-9	Integration of UI & backend – Connecting the UI and backend using API calls	5	Medium	PRAVEEN KUMAR
Sprint-3		USN-10	The model is finally stored in IBM cloud for future use	5	High	PANCHATCHARAM
Sprint-4	<b>Testing phase</b>	USN-11	Functional testing –The scalability and robustness of the application is measured	6	High	NAVEEN KUMAR
Sprint-4		USN-12	Non-Functional testing – Integration and Acceptance tests are carried out	6	High	NITHISH KUMAR

**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	17	6 Days	24 Oct 2022	29 Oct 2022	17	29 Oct 2022
Sprint-2	14	6 Days	31 Oct 2022	05 Nov 2022	14	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	12	19 Nov 2022

**Velocity:**

Average Velocity =  $8.7/4 = 2.17$

## Burndown Chart:



