

Project Planning Phase

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

Date	04 November 2022
Team ID	PNT2022TMID36992
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	Initial Phase	USN-1	Data Collecting and grouping it for processing	4	Medium	SANKARA NARAYANAN
Sprint-1		USN-2	Addition of more data sets to make the model more reliable	3	Medium	LOGESH
Sprint-1		USN-3	Processing the model using CNN algorithm	6	High	NANDHA KUMAR
Sprint-1		USN-4	Evaluating the data sets to verify its correctness and quality	4	High	NITHISH IYAPPAN
Sprint-2	Development Phase	USN-5	Creating an interactive introduction page for the user side	2	Low	SANKARA NARAYANAN
Sprint-2		USN-6	Adding feature in that page to upload the image	3	Medium	LOGESH
Sprint-2		USN-7	Analysis is done on the image and appropriate output is displayed according to the input	4	Medium	NANDHA KUMAR

Sprint-2		USN-8	Importing and using the required API's for model	5	High	NITHISH IYAPPAN
Sprint-3	Implementation Phase	USN-9	Integration of UI & backend – Connecting the UI and backend using API calls	5	Medium	SANKARA NARAYANAN
Sprint-3		USN-10	The model is finally stored in IBM cloud for future use	5	High	LOGESH
Sprint-4	Testing phase	USN-11	Functional testing –The scalability and robustness of the application is measured	6	High	NANDHA KUMAR
Sprint-4		USN-12	Non-Functional testing – Integration and Acceptance tests are carried out	6	High	NITHISH IYAPPAN

**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	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:

$$\text{Average Velocity} = 8.7/4 = 2.17$$

Burndown Chart:

