

## Project Planning Phase

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

Team Member	Sandeep P K Pooventhan D Sabareeswaran S Pranesh S
Date	4 November 2022
Team ID	PNT2022TMID04681
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	SABAREESWARAN S
Sprint-1		USN-2	Adding more data to avoid overfitting	2	Medium	PRANESH S
Sprint-1		USN-3	Building a CNN model using the collected data	5	High	POOVENTHAN D
Sprint-1		USN-4	Evaluating the model to check the accuracy and precision	3	High	SANDEEP P K
Sprint-2	Development Phase	USN-5	Home page Creation – Shows the features of our application	1	Low	PRANESH S
Sprint-2		USN-6	Setting up facilities for user to feed the image	2	Medium	POOVENTHAN D
Sprint-2		USN-7	Prediction page creation – shows prediction for the user given image	4	Medium	SANDEEP P K
Sprint-2		USN-8	Model loading – API creation using flask	5	High	SABAREESWARAN S
Sprint-3	Deployment Phase	USN-9	Integrating UI & backend – Connecting the front end and backend using API calls	3	Medium	PRANESH S
Sprint-3		USN-10	Cloud deployment – Deployment of application using IBM Cloud	5	High	POOVENTHAN D
Sprint-4	Testing Phase	USN-11	Functional testing – Checking the scalability and robustness of the application	5	High	SANDEEP P K
Sprint-4		USN-12	Non-Functional testing – Checking for user acceptance and integration	5	High	PRANESH S

**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 =  $61/24 = 2.51$



Roadmap:

Jira Software

Your work

Projects

Filters

Dashboards

People

Apps

Create

Search

DIGITAL NATURALIST-IBM

Software project

PLANNING

Roadmap

Backlog

Board

Reports

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

You're in a team-managed project

Learn more

Projects / DIGITAL NATURALIST-IBM

Roadmap

JS

Status category

View settings

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 predction 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

OCT

20

21

22

23

24

25

26

27

28

29

30

OCT

31

NOV

1

2

3

4

5

6

7

8

9

10

11

12

13

NOV

14

15

16

17

18

19

20

NOV

21

22

23

24

Modeling Phase, Development Phase, Deployment Phase

Testing Phase

Today

Weeks

Months

Quarters