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

Team ID	PNT2022TMID38453
Team Leader	Mahalakshmi.S (413019104023)
Team member	Jayakumar.V (413019104014), Malavika.D (413019104025), Monika.D (413019104026), Premkumar.K (413019104030)
Project Name	Project – Digital Naturalist - AI enabled tool for biodiversity researchers
Maximum Marks	4 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Model Building Phase	USN-1	Collecting and digitalizing data for analysis	3	Medium	Vijaya Raghavan V
Sprint-1	Model Building Phase	USN-2	Data Augmentation and Feature Engineering	4	High	Ganesh K
Sprint-1	Model Building Phase	USN-3	Building the model using transfer learning approach	4	High	Kishore P
Sprint-1	Model Building Phase	USN-4	Evaluating the model to check the accuracy and precision	4	High	Vijaya Raghavan V
Sprint-1	Model Building Phase	USN-5	Class Prediction	3	Medium	Ganesh K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Development Phase	USN-6	User database creation – contains the details of user	4	High	Sudhakaran S
Sprint-2	Development Phase	USN-7	Web page Creation	4	High	Ganesh K
Sprint-2	Development Phase	USN-8	Login and register page creation - Login through email and password along with otp verification	3	Medium	Kishore P
Sprint-3	Development Phase	USN-9	Area to obtain user input	3	Medium	Sudhakaran S
Sprint-3	Development Phase	USN-10	Model loading - API creation using flask.	4	High	Kishore P
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-3	Development Phase	USN-11	Prediction page creation – shows prediction for user input along with description about the species	2	Low	Ganesh K
Sprint-4	Deployment Phase	USN-12	Connecting the frontend and backend using API calls	4	High	Vijaya Raghavan V
Sprint-4	Deployment Phase	USN-13	Cloud deployment – Deployment of application using IBM cloud	4	High	Sudhakaran S
Sprint-4	Testing Phase	USN-14	Functional testing – Checking scalability and robustness of the application	3	Medium	Kishore P
Sprint-4	Testing Phase	USN-15	Non-functional testing – Checking for user acceptance and integration	3	Medium	Sudhakaran 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	18	6 Days	24 Oct 2022	29 Oct 2022		

Sprint-2	11	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	9	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	14	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$Average\ velocity = 9/4 = 2.25$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Sprint

| DNAETFBR Sprint 1 ⌄ |

Estimation field

| Story points ⌄ |

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Date - October 24th, 2022 - October 29th, 2022

Remaining work
Number of story points left to complete this sprint

Guideline
Ideal burn rate