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

Date	19 October 2022
Team ID	PNT2022TMID04689
Project Name	Project - AI - based localization and classification of skin disease with erythema.
Maximum Marks	8 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Nithish Kumar S, Santha Prakash M,Ranjith R,Raja Kumaran R.
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	2	Medium	Nithish Kumar S, Santha Prakash M,Ranjith R,Raja Kumaran R.
Sprint-2		USN-3	As a user, I can register for the application through Mobile number.	3	High	Nithish Kumar S, Santha Prakash M,Ranjith R,Raja Kumaran R.
Sprint-2		USN-4	As a user, I will receive a conformation SMS.	3	High	Nithish Kumar S, Santha Prakash M,Ranjith R,Raja Kumaran R.
Sprint-2	Login	USN-5	As a user, I can log into the application by entering login credentials.	1	High	Nithish Kumar S, Santha Prakash

						M,Ranjith R,Raja Kumaran R.
Sprint-3	Dashboard	USN-6	As a user, I can upload my images and get my details of skin diseases.	3	High	Nithish Kumar S, Santha Prakash M,Ranjith R,Raja Kumaran R.
Sprint-1	Logout	USN-7	As a user, I can logout successfully.	2	Medium	Nithish Kumar S, Santha Prakash M,Ranjith R,Raja Kumaran R.
Sprint-4	Feedback	USN-8	As a customer care executive, I can be able to interact with all the customer and get their feedback which is used to enhance the scope of the project.	2	Medium	Nithish Kumar S, Santha Prakash M,Ranjith R,Raja Kumaran R.
Sprint-3	Image processing, Localization.	USN-9	The uploaded image is preprocessed and fed into the trained YOLO model.	3	High	Nithish Kumar S, Santha Prakash M,Ranjith R,Raja Kumaran R.
Sprint-4	Classification and prediction.	USN-10	The YOLO model classify and predict the type of disease and the area affected.	3	High	Nithish Kumar S, Santha Prakash M,Ranjith R,Raja Kumaran R.

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Average Velocity = Story Points per Day Sprint Duration = Number of (Duration) days per

Sprint Velocity = Points per Sprint

AV = 20 /6 =4

Therefore, the AVERAGE VELOCITY IS 4 POINTS PER SPRINT.

Burndown Chart:

A burndown chart shows the amount of work that has been completed in an epic or sprint, and the total work remaining. Burndown charts are used to predict your team's likelihood of completing their work in the time available.