Project Planning Phase

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

Date	23 October 2022
Team ID	PNT2022TMID40380
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	NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	Medium	NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M
Sprint-2		USN-3	As a user, I can register for the application through mobile number	3	High	NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M

Sprint-2		USN-4	As a user. I will receive confirmation SMS	3	High	NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M
Sprint-2	Login	USN-5	As a user, I can log into the application by entering login credentials	3	High	NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M
Sprint-3	Dashboard	USN-6	As a user, I can upload my images and get my details of skin diseases	3	High	NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M
Sprint-1	Logout	USN-7	As a user, I can logout successfully	2	Medium	NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M
Sprint-4	Feedback	USN-8	As a customer care executive, I can able to interact with all the customer and get their feedback which is used to enhance the scope of the project	2	Medium	NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M
Sprint-3	Image processing, localization	USN-9	The uploaded image is preprocessed and fed into the trained YOLO model	3	High	NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M
Sprint-	Classificati	USN-9	The YOLO	3	High	

4	on and prediction		model classify and predict the type of disease and the area affected			NIVEDHA P ELAKKIYA R GOPIKA V MONISHA M

Sprint-4	Report Generation	USN-10	Based on the prediction of skin diseases, the health care report generated to provide feedbacks	2	Medium	

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

$$AV = 20/6 \approx 4$$

Therefore, the AVERAGE VELOCITY IS 4 POINTS PER SPRINT

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.