Project Planning Phase

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

Date	04 November 2022
Team ID	PNT2022TMID12773
Project Name	Detecting Parkinson's Disease using Machine Learning
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	Lolla Akshatha Devi Samritha D Saranya T Sundereswaran R
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Lolla Akshatha Devi Samritha D Saranya T Sundereswaran R
Sprint-2		USN-3	As a user, I can register for the application through Facebook	3	Low	Lolla Akshatha Devi Samritha D Saranya T Sundereswaran R
Sprint-2		USN-4	As a user, I can register for the application through Gmail	3	Medium	Lolla Akshatha Devi Samritha D Saranya T Sundereswaran R
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	3	High	Lolla Akshatha Devi Samritha D Saranya T Sundereswaran R
Sprint-3	Dashboard	USN-6	As a user, I can upload my images and get my details.	3	High	Lolla Akshatha Devi Samritha D Saranya T Sundereswaran R
Sprint-1	Logout	USN-7	As a user I can logout successfully.	2	Medium	Lolla Akshatha Devi Samritha D Saranya T Sundereswaran R
Sprint-4	Feedback	USN-8	A customer care executive, I can able to interact with all the	2	Medium	Lolla Akshatha Devi Samritha D

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			customer and get their feedback which is used to enhance the scope of the project.			Saranya T Sundereswaran R
Sprint-3	Image processing localization	USN-9	The uploaded image is pre-processed and fed into trained model.	3	High	Lolla Akshatha Devi Samritha D Saranya T Sundereswaran R
Sprint-4	Classification and prediction	USN-9	The model classifies and predicts the type of disease.	3	High	Lolla Akshatha Devi Samritha D Saranya T Sundereswaran R
Sprint-4	Report generation	USN-10	Based on the prediction of Parkinson's disease, the health care is generated to provide the feedback.	2	Medium	Lolla Akshatha Devi Samritha D Saranya T Sundereswaran 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	03 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	08 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	13 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 = No of (Duration) days per sprint
Velocity = Points per sprint

AV = 20 / 4 = 5

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.