Project Planning Phase

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

Date	29 October 2022
Team ID	PNT2022TMID35502
Project Name	Detection of 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	Data Collection	USN-1	I need to collect data (Images of spirals and waves drawn by healthy people and parkinson's patients).	4	Medium	Geethanjali N, Ramya C, Sandhiya L, Subhashri S
Sprint-1	Image Pre - Processing	USN-2	I need to clean my data and prepare it for model building by doing pre processing activities such as resizing, converting from RGB to grayscale etc.	6	High	Geethanjali N, Ramya C, Sandhiya L, Subhashri S
Sprint-2	Model Building 1	USN-3	I need to build the model using Random Forest Classifier for spiral images.	5	Medium	Geethanjali N, Ramya C, Sandhiya L, Subhashri S
Sprint-2	Model Building 2	USN-4	I need to build the model using K – Nearest Neighbor for wave images.	5	Medium	Geethanjali N, Ramya C, Sandhiya L, Subhashri S
Sprint-3	Model Deployment	USN-5	I need to deploy the ML model that was built	5	High	Geethanjali N, Ramya C, Sandhiya L, Subhashri S
Sprint-4	Application Building	USN-6	I need to build the website for the application using HTML, CSS, Flask and link it to the model.	10	High	Geethanjali N, Ramya C, Sandhiya L, Subhashri 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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

Sprint 1 → AV = sprint duration/ velocity = 10/6 = 1.667

Sprint 2 → AV = sprint duration/ velocity = 10/6 = 1.667

Sprint 3 → AV = sprint duration/ velocity = 5/6 = 0.833

Sprint 4 → AV = sprint duration/ velocity = 10/6 = 1.667

Burndown Chart: