Project Planning Phase

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

Date	7 November 2022
Team ID	PNT2022TMID20924
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
Sprint1	Sign Up	USN-1	As a user, I want to register for the application with my Gmail and get verified.	2	Medium	Vivek S Nithish M Dilip T Manoj S Rohit R
Sprint1	Login	USN-2	As a user, I can able to login with my credentials.	4	Low	Vivek S Nithish M Dilip T Manoj S Rohit R
Sprint1	Dash Board	USN-3	As a user, I need to know about the Parkinson disease and symptoms involved.	2	High	Vivek S Nithish M Dilip T Manoj S Rohit R
Sprint2	Data Collection (Dataset)	USN-4	I should collect data, images of spirals and waves drawn by patients for processing.	6	High	Vivek S Nithish M Dilip T Manoj S Rohit R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint2	Data Pre-processing and EDA	USN-5	I need to prepare and process the data for model building and do pre-processing activities like data visualization.	6	High	Vivek S Nithish M Dilip T Manoj S Rohit R
Sprint3	Model Building (Training and Testing)	USN-6	Building the model using Data mining processes like Random Forest Classifier, K Nearest Neighbour Form Regression, classification, and clustering techniques.	4	Medium	Vivek S Nithish M DilipT Manoj S Rohit R
Sprint3	Application Building	USN-7	Building website for model application using HTML, CSS and JavaScript.	7	High	Vivek S Nithish M Dilip T Manoj S Rohit R
Sprint4	Model Verification	USN-8	Need to verify, whether developed model works with application.	4	High	Vivek S Nithish M Dilip T Manoj S Rohit R
Sprint4	Results	USN-9	As a user, I can get to know the results in addition to recommendations.	6	High	Vivek S Nithish M Dilip T Manoj S Rohit 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	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 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)

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