Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	**18October 2022**
Team ID	**PNT2022TMID34835**
Project Name	**Detecting Parkinsons 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 username, email, password, contact number and confirming my password.	5	High	TM-1 TM-2
Sprint-1	Login	USN-2	As a user, I can enter the username and password after registration for login	5	High	TM-1 TM-2
Sprint-2	Dashboard	USN-3	As a user, I can register for the application through Gmail and see the details in Dashboard	10	Low	TM-3 TM-4
Sprint-1	Details about	USN-4	As a user, I can register for the application through Gmail	5	Medium	TM-1 TM-2
Sprint-1	Login and repeated	USN-5	As a user, I can log into the application by entering email & password	5	High	TM-1 TM-2
Sprint-2	Web page details	USN-6	As a user I must extract certain values from the recorded voice and fill the form to detect Parkinsons Disease	10	High	TM-3 TM-4
Sprint-3	Upload the voice signal extracted details in the web application	USN-7	As a user I must receive a correct predicted output	20	High	TM-1 TM-2
Sprint-4	Provide efficient customer support	USN-8	As a user, I need to get support from developers in case of queries and failure of service provided	10	Medium	TM-3 TM-4
Sprint-4	Overview the entire process. Take all the responsibility and actbridge between users and developers	USN-9	We need to satisfy the customer needs in an efficient way and make sure any sort of errors are fixed	10	High	TM-3 TM-4

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)

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

AV = sprint duration / velocity = 20/6 = 3.33

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.