Project Planning Phase

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

Date	19 November 2022
Team ID	PNT2022TMID53524
Project Name	Project – 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	Modeling Phase	USN-1	Data Collecting and digitalizing for analyzing	3	Medium	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K
Sprint-1		USN-2	Pre-processing the Collected data	2	Medium	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K
Sprint-1		USN-3	Building a model using the collected data	5	High	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K
						Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K

Sprint-1		USN-4	Evaluating the model to check the accuracy and precision	3	High	

Sprint-2	Development Phase	USN-5	Building Website pages	1	Low	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K
Sprint-2		USN-6	Building flask application	2	Medium	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K
Sprint-2		USN-7	Integrating flask and WebPages	4	Medium	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K
Sprint-2		USN-8	Model loading – API creation using flask	5	High	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K
Sprint-3	Deployment Phase	USN-9	Training the model on cloud	3	Medium	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K
Sprint-3		USN-10	Cloud deployment – Deployment of application using IBM Cloud	5	High	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K
Sprint-4	Testing Phase	USN-11	Functional testing – Checking the scalability and robustness of the application	5	High	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K
Sprint-4		USN-12	Non-Functional testing – Checking for user acceptance and integration	5	High	Sruthilaya V, Ragul S, Ramlakshmi CS, Subhasree S K

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	13	6 Days	24 Oct 2022	29 Oct 2022	13	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:

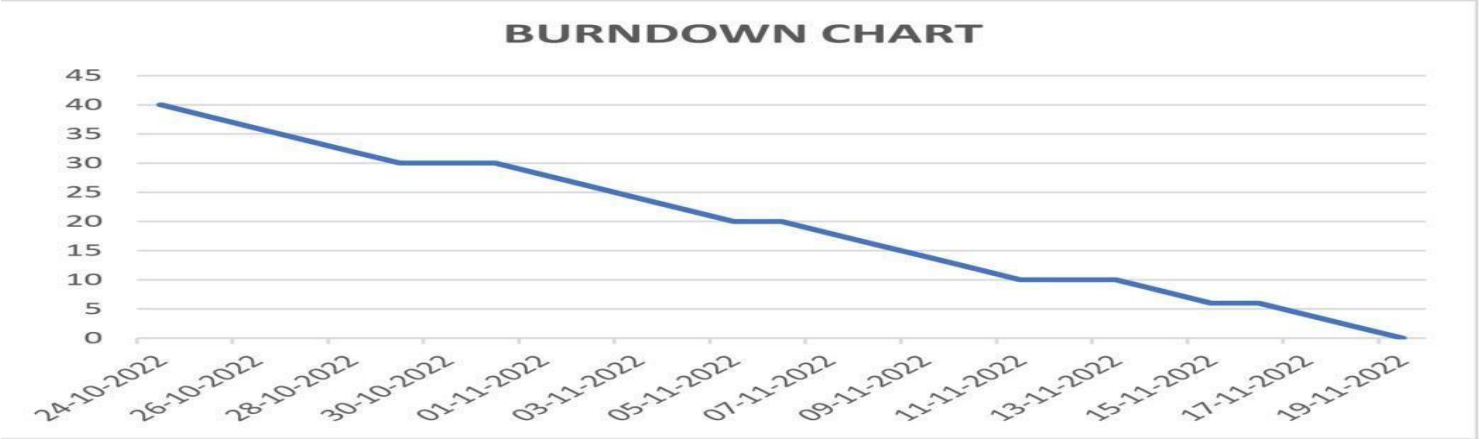
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

Average Velocity = 61/24 = 2.51

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.



https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts