

Project Planning Phase

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

Date	3 November 2022
Team ID	PNT2022TMID20847
Project Name	Detecting Parkinson's Disease using Machine Learning
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data collection and image pre-processing.	USN-1	The developer downloads the dataset, imports necessary libraries and pre processes the data.	2	High	M.Gayathiri Anarmee
Sprint-2	Model building	USN-2	The developer now trains, tests and evaluates the model. Incorporation of algorithm is done in this stage.	1	High	Anu Rekha S, Megala J
Sprint-3	Application building (User interface)	USN-3	The user interface is built and linked with the code.	2	High	Hartika N K, Kirubasini S
Sprint-4	Delivering the project	USN-4	The complete project is delivered.	2	High	M.Gayathiri Anarmee, Anu Rekha S, Megala J, Hartika N K, Kirubasini 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	20	6 Days	24 Oct 2022	29 Oct 2022	20	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		1 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		7 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		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)

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