

Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID08008
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	Registration	USN-1	As a user, I can register for the application by entering my details.	2	High	Ponraj, Ragupathy
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password .	1	High	Ponraj, Ragupathy
Sprint-2	User input	USN-3	As a user, I can upload my files as input.	2	Low	Rackshana Nithi shree
Sprint-2	Data preprocessing	USN-4	As an admin, I need to preprocess the data so that it is in a ready to use state for training and testing .	2	Medium	Rackshana Nithi shree
Sprint-1	Data Collection	USN-5	As an admin, I need to collect the data to train my machine learning model.	1	High	Rackshana Nithi shree
Sprint-2	Model building	USN-6	As an admin, I need to use Machine Learning algorithms to train the model for the datasets previously collected.	2	High	Rackshana Nithi shree

Sprint-3	Model Evaluation	USN-7	As an admin, I need to test the model that I had developed.	1	High	Ponraj, Ragupathy
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Deployment of model and web app	USN-8	As an admin, I need to integrate the Machine Learning model with the application and deploy the same.	2	High	Rackshana Nithi shree Ponraj, Ragupathy
Sprint-4	Information	USN-9	As a user, I can view information about Parkinson's Disease, its symptoms and treatment methods .	2	Medium	Rackshana Nithi shree Ponraj, Ragupathy
Sprint-4	Result	USN-10	As a user, I can view my test results that are given after providing the input.	2	Medium	Rackshana Nithi shree
Sprint-4	Report Generation	USN-11	As a user, I can obtain my report.	1	Low	Rackshana Nithi shree

Project Tracker, Velocity & Burn down Chart: (4 Marks)

Ragupathy Nithi shree

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	7	6 Days	24 Oct 2022	29 Oct 2022	7	29 Oct 2022
Sprint-2	4	6 Days	31 Oct 2022	05 Nov 2022	4	05 Nov 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	2	6 Days	14 Nov 2022	19 Nov 2022	2	2 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)

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

$$AV \text{ (Sprint 1)} = 7/6 = 1$$

$$AV \text{ (Sprint 2)} = 4/6 = 1$$

$$AV \text{ (Sprint 3)} = 6/6 = 1$$

$$AV \text{ (Sprint 4)} = 2/6 = 1$$

$$AV \text{ (Total)} = 21/24 = 1$$

Burn down 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.

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KGDPV Sprint 1

Q DG GR 👤

⚡ ☆ ⌚ 10 days remaining Complete sprint ⋮

GROUP BY None ▾ Insights

TO DO 12 ISSUES

As a user, I will receive confirmation email once I have registered for the application

✓ KGDPV-2

As a user, I can register for the application through Facebook

✓ KGDPV-3

As a user, I can register for the application through Gmail

✓ KGDPV-4

As a user, I can log into the application by entering email &

IN PROGRESS

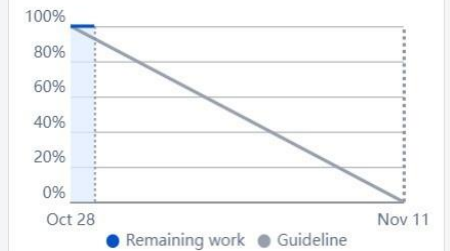
DONE ✓

Sprint burndown

BETA ? ▾

0 issues done, 12 issues to go

⚠️ Heads up



Epic progress

Link epics and estimate issues to drive your big goals

This insight shows how your current sprint contributes to your larger goals, or epics, helping

💡 Quickstart ✕