

Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID34161
Project Name	AI Based Localization and Classification of Skin Disease with Erythema
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	Login	USN-1	As a user, I can login to the dashboard by entering my email, password, and confirming my password.	7	High	Nisha. N, Dharini.R
Sprint-1		USN-2	As a user, I will give the correct details about my medical report.	3	High	Nisha. N, Dharini. R
Sprint-2	Screening	USN-3	As a user, I can find the method more efficient and accurate.	5	Medium	Jinisha K
Sprint-1		USN-4	As a user, I can use it with minimal physical interaction with the device.	3	Medium	Nisha.N
Sprint-4	Physical Features	USN-5	As a user, I can use the database and software installed in a particular system	5	High	Mohana Sree G S
Sprint-2		USN-6	As a user, I can find it portable and light weight	10	Low	Jinisha K, Mohana Sree G S
Sprint-3	Safety	USN-7	As a user, I can be safe as the detection method is free from radiations	5	Medium	K. Jinisha, G S Mohana Sree
Sprint-3	Testing	USN-8	As a user, I can undergo testing without any fear of pain as this method is pain free.	5	High	Nisha N, Jinisha K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-9	As a user, I also suggest others to use this software.	5	High	R Dharini, Mohana Sree G S
Sprint-2	Cost Effectiveness	USN-10	As a user, I can reach many people affected from skin disease	5	Low	Mohana Sree G S
Sprint-3		USN-11	As a user, I can create awareness among people to undergo frequent medical check up.	5	Medium	Nisha N, Dharini. R
Sprint-4	Results	USN-12	As a user I can rely on the results without any suspicion	5	Medium	Jinisha K, Mohana Sree G S
Sprint-4		USN-13	As a user, I can benefit from the result as it will help me know whether treatment is necessary or not.	3	High	Nisha N, Dharini R
Sprint-1			As a user I can complete the screening process within minutes for a single patient.	7	Medium	R. Dharini
Sprint-4			As a user I can get the results immediately after screening process.	7	Medium	Jinisha K, Mohana Sree G 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	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)

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

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>