Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID10687
Project Name	Emerging Methods for Early Detection of Forest Fires
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	Data collection	USN-1	One of the important work in this is to collect the data of the forest like smoke, temperature, rain, dry season and wet season	1	High	Ragapriya, Pooja Sri, Ramani, Princy Celsia
Sprint-1	Application of algorithm	USN-2	Find a potential predictionbased algorithms	2	High	Ragapriya, Pooja Sri, Ramani, Princy Celsia
Sprint-2	Accuracy of the algorithm	USN-3	Then we need to check for the accuracy of those algorithms	1	Medium	Ragapriya, Pooja Sri, Ramani, Princy Celsia
Sprint-1		USN-4	Dataset that is collected in the first has been taken here for evaluation	2	High	Ragapriya, Pooja Sri, Ramani, Princy Celsia
Sprint-2	Determine the accuracy of the algorithm	USN-5	Determine the accuracy, precision and recollection of each algorithm.	1	Medium	Ragapriya, Pooja Sri, Ramani, Princy Celsia
Sprint-3	Core purpose	USN-6	The programme should be designed and developed in such a way that the optimal user interface and maintenance are considered	2	Medium	Ragapriya, Pooja Sri, Ramani, Princy Celsia
Sprint-3		USN-7	All devices and screen sizes can access the website without any issues.	1	Low	Ragapriya, Pooja Sri, Ramani, Princy Celsia

Sprint-3		USN-8	The updates must contain the answers to the asked questions in a timely manner	1	Low	Ragapriya, Pooja Sri, Ramani, Princy Celsia

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	27 Oct 2022	2 Nov 2022	20	2 Nov 2022
Sprint-2	20	6 Days	3 Nov 2022	09 Nov 2022	20	09 Nov 2022
Sprint-3	20	6 Days	10 Nov 2022	16 Nov 2022	20	16 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)

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

= 60/10=6

AV=6

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.