

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID47894
Project Name	Project - 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	Collect the data.	USN-1	As an Environmentalist, it is necessary to collect the data of the forest which includes temperature, humidity, wind, and rain of the forest.	20	High	Lakshmanaswamy, Hariharan, Akilan, Ayyanar pandi
Sprint-2		USN-2	Identify algorithms that can be used for prediction	10	Medium	Lakshmanaswamy, Hariharan, Akilan, Ayyanar pandi
Sprint-2	Implement Algorithm	USN-3	Identify the accuracy of each algorithm	20	Medium	Lakshmanaswamy, Hariharan, Akilan, Ayyanar pandi
Sprint-1		USN-4	Evaluate the Dataset	20	Medium	Lakshmanaswamy, Hariharan, Akilan, Ayyanar pandi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Evaluate the accuracy of algorithm.	USN-5	Identify accuracy, precision, recall of each algorithm	10	High	Lakshmanaswamy, Hariharan, Akilan, Ayyanar pandi
Sprint-4	Display unit.	USN-6	Outputs from each algorithm are obtained	10	High	Lakshmanaswamy, Hariharan, Akilan, Ayyanar pandi

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)

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