Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID01865
Project Name	Emerging methods for early detection of forest fires
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	Collect the data	USN-1	Collecting the dataset deals with collecting the weather parameter values which induce the forest fire to be collected and analysed. Grouping the dataset is also made in this phase.	2	Medium	Susmitha T
Sprint-1	Evaluate the dataset	USN-4	Evaluating the dataset and identifying the defects in dataset preparation and reframing the dataset.	1	Medium	Susmitha T

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Choose the algorithm	USN-2	Choosing the model which is more suited for this application is identified and analysis is made.	2	High	Kalaiarasi M
Sprint-3	Choose best	USN-3	Implementing different algorithms and identifying the one which will more suit for this application.	1	High	Subha R
Sprint-3	Accuracy of algorithm	USN-5	Identifying the accuracy, efficiency, precision of the algorithm	2	Medium	Kalaiarasi M
Sprint-4	Evaluate	USN-6	Analysing the output of the model with data(used for the prediction - given as input).	2	High	Vaishnavi M P

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 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)

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

Burndown Chart:

A burndown 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.