Project Planning Phase

Sprint Delivery plan

Team ID	PNT2022TMID21021
Project title	Emerging Methods for Early Detection of Forest Fires
Maximum marks	4 marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement	User story number	User Story/ Task	Acceptance criteria	Priority	Team Members
Sprint – 1	Collect the data	USN -1	Environmentalists help the public make informed decisions about the use of limited natural resources. They do research, produce reports, write articles, lecture, issue press releases, lobby congress, fundraise, and campaign. The daily routine depends on the specialty.	It is necessary to collect the right data else the prediction may become wrong.	High	• Saran • Varadharaj • Yaswanth • Jeremin • Suresh
Sprint - 2	Image preprocessing	USN - 2	Identify algorithms that can be used for prediction.	To collect the algorithm to identify the accuracy level of each algorithm.	Medium	
Sprint – 2	Implement algorithm	USN - 3	Identify the accuracy of all the algorithms that are being used.	Accuracy of each algorithm is calculated so that it is easy to obtain the most accurate output.	High	

Sprint – 1	Reviewing the model	USN - 4	Evaluate the Dataset.	Data is evaluated before processing.	Medium	• Saran • Varadharaj • Yaswanth • Jeremin • Suresh
Sprint – 3	Evaluate accuracy of algorithm	USN - 5	Identify accuracy, precision and recall of each algorithm.	These values are important for obtaining the right output.	High	
Sprint - 4	Display results	USN - 6	Outputs from each algorithm are obtained.	It is highly used to predict the effect and to take precautionary measures	High	

Project Tracker, Velocity & Burndown Chart:

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	8	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	7	08 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	8	15 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	7	20 Nov 2022

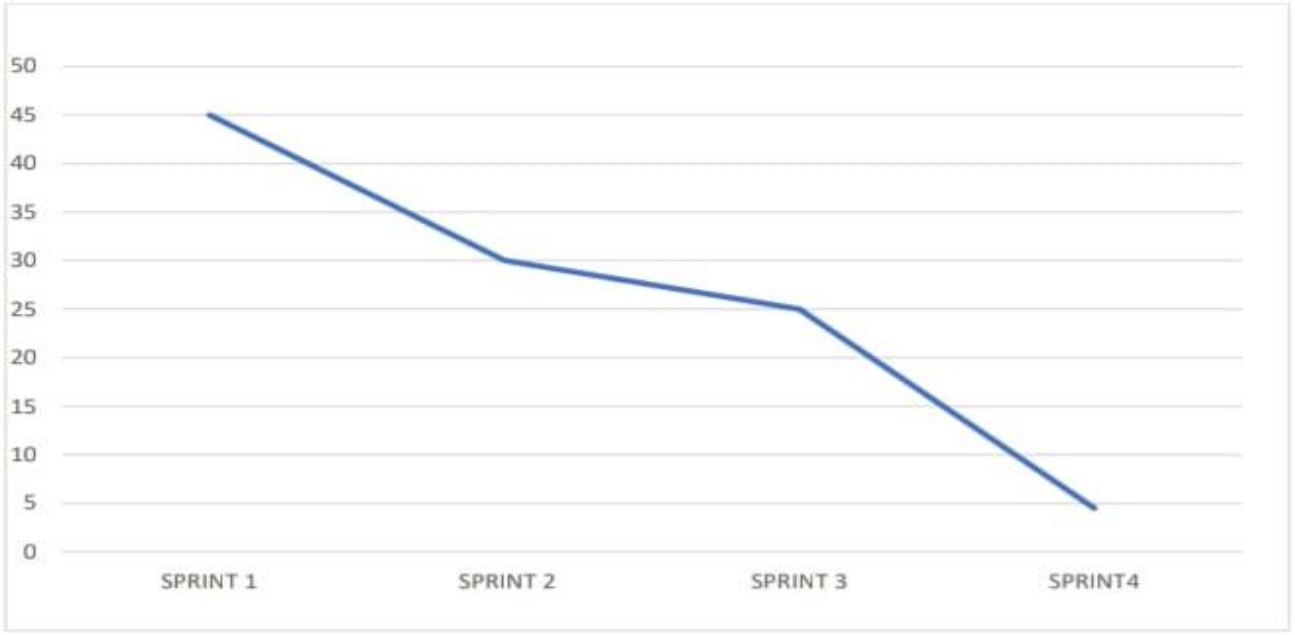
Velocity:

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 = Sprint duration /velocity = 7/10 =0.7

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.



In our project,there are 4 sprint activities.

This chart is drawn by taking

x->sprint and

y->pending hours