Project Planning Phase

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

Date	02 November 2022
Team ID	PNT2022TMID28697
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 visualization and Data preprocessing	USN-1	The main goal of data visualization is to make it easier to identify patterns, trends and outliers in large data sets. ● Performs visualization via matplotlib ● Performs visualization via seaborn	10	High	Dhivya,dinesh,
Sprint-1		USN-2	Preprocessing increases the accuracy and efficiency of a machine learning model. ● Performs preprocessing via numpy ● Performs preprocessing via pandas	10	High	priyankka, pritha
Sprint-2	Implementing Machine Learning algorithms.	USN-3	In Machine Learning ,we use various kinds of algorithms to allow machines to learn the relationships within the data provided.	10	High	pritha
Sprint-2		USN-4	Implementing Regression algorithms which is a machine Learning technique where the model predicts the output as a continuous numerical value.	10	High	dhivya
Sprint-3	App building	USN-5	Using flask deploying the ML model	10	High	Dinesh
Sprint-4	Evaluate prediction	USN-6	Evaluate the dataset details with the model which has already builded.	20	High	Priyankka

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	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

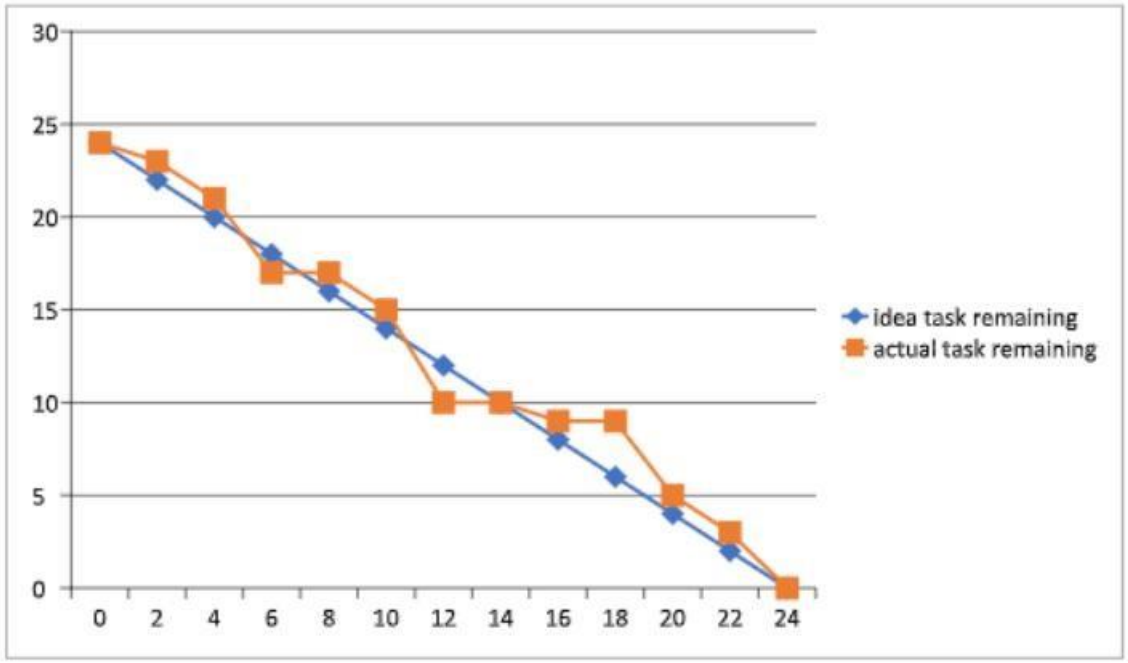
Velocity:

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)

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.

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