Project Planning Phase

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

Date	5 November 2023
Team ID	Team-591978
Project Name	Image Caption Generation
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	Project setup &infrastructure	USN-1	Set up the development environment with the required tools and frameworks	1	High	ROSHAAN
Sprint-1	Development environment	USN-2	Gather a diverse dataset		High	SRIHAS
Sprint-2	Data Collection	USN-3	Preprocess the collected dataset	2	High	VARSHITH
Sprint-2	Data Preprocessing	USN-4	Investigate and assess different machine learning techniques.	3	High	SHANMUKH

Sprint-3	Model Deployment	USN-5	Train the machine learning model on the pre-processed data	5	Medium	ROSHAAN
Sprint-3	Training	USN-6	Incorporate data augmentation techniques	5	Medium	SRIHAS
Sprint-4	Model Deployment & Integration	USN-7	Deploy the trained machine learning model ad an API or web. Service to enable detect	1	Medium	VARSHITH
Sprint-5	Testing &quality assurance	USN-8	Test the model and web interface to uncover and repot any problems	1	Medium	SHANMUKH

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)

Sprint - 1	3	2 days	28 Oct 2023	30 Oct 2023	3	30 Oct 2023
Sprint – 2	5	2 days	31 Oct 2023	2 Nov 2023	8	2 Nov 2023
Sprint – 3	10	5 days	3 Nov 2023	8 Nov 2023	18	8 Nov 2023
Sprint – 4	1	4 days	9 Nov 2023	13 Nov 2023	19	13 Nov 2023
Sprint - 5	1	2 days	14 Nov 2023	16 Nov 2023	20	16 Nov 2023

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)

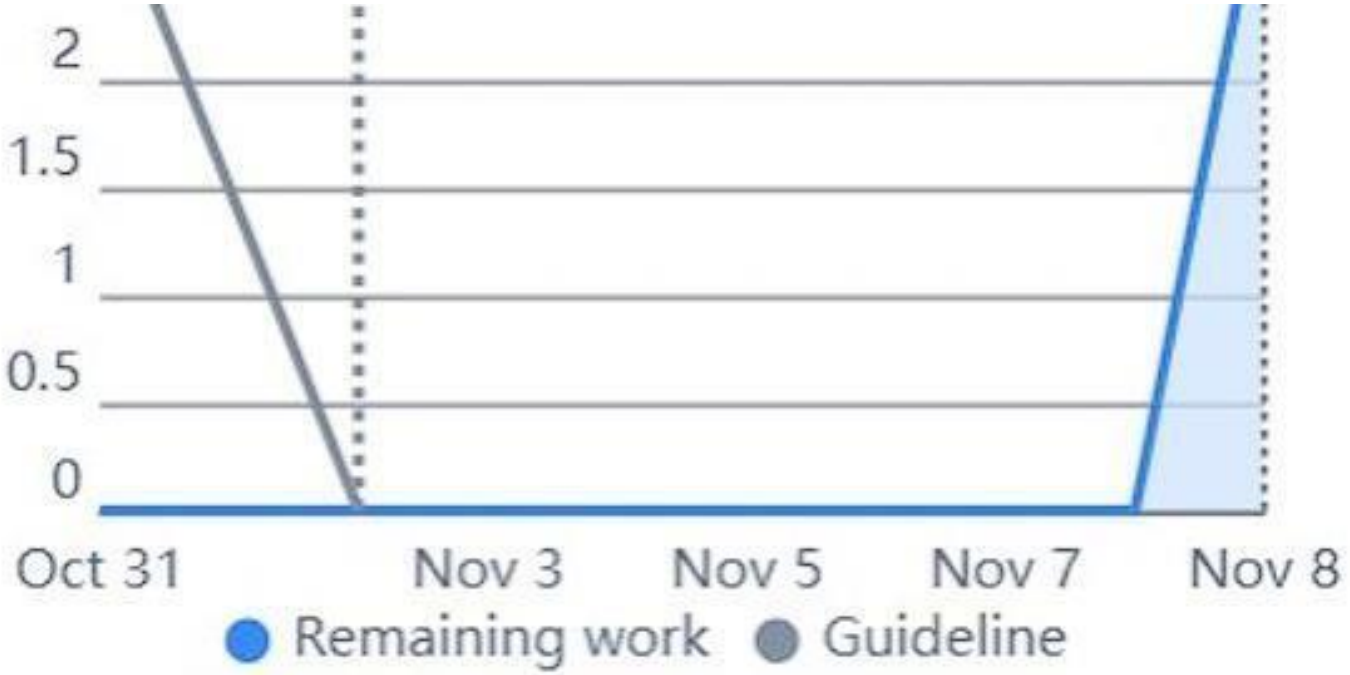
AV *= sprint duration/velocity=2+2+5+4+2/5*

=15/5

=3

AVERAGE VELOCITY=3

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.

TIMELINE: