Project Planning Phase

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

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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	All Members
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	5	High	All Members
Sprint-1		USN-3	As a user, I can register for the application through Gmail.	5	Medium	All Members
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password.	5	High	All Members
Sprint-2	Data Collection	USN-5	Collecting the Required Dataset.	10	High	All Members
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	All Members
Sprint-2	Data cleaning and Image Preprocessing	USN-6	Perform the image preprocessing techniques on the dataset.	10	High	All Members

Sprint-3	Model Building	USN-7	Model Initialization with required layers.	10	High	All Members
Sprint-3	Training	USN-8	Training the image classification model using the Neural Network.	10	High	All Members
Sprint-4	Testing	USN-9	Testing the Model's Performance.	10	High	All Members
Sprint-4	Deployment of model in Web / App	USN-10	Deploying the Tested Model	10	Medium	All Members

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	
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-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	

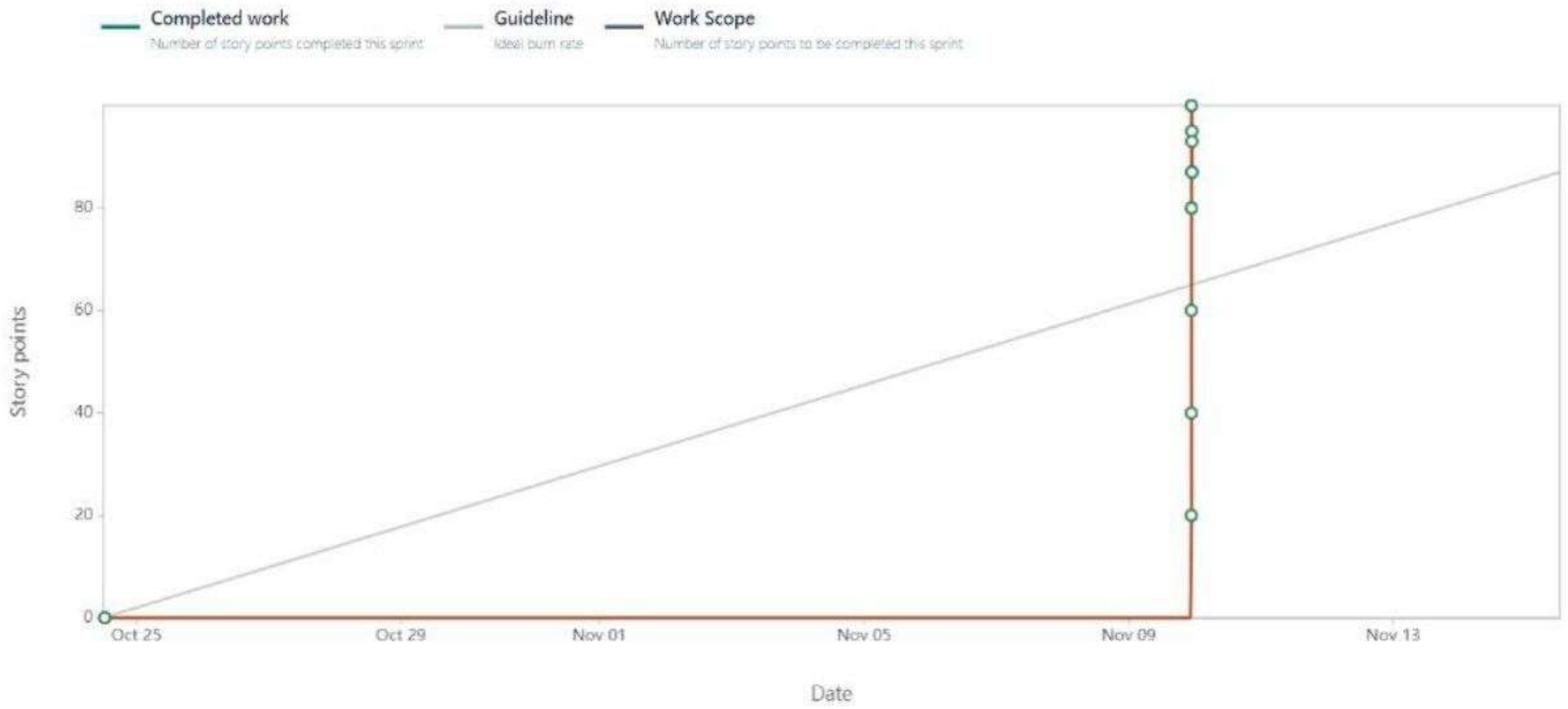
Velocity:

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 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.



Date	Event	Issue	Completed	Scope