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

Product Backlog, Sprint Schedule, and Estimation:

SPRINT	FUNCTIONAL REQUIREMENT	USE STORY NUMBER	USER STORY/ TASK	STORY POINTS	PRIORITY	TEAM MEMBERS
Sprint-1	Data collection	USN-1	Download Crude Oil Price Dataset	2	Medium	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-1		USN-3	Handling Missing Data	3	Medium	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-1		USN-4	Feature Scaling	3	Low	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-1		USN-5	Data Visualization	3	Medium	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-1		USN-6	Splitting Data into Train and Test	4	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	Medium	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-2		USN-9	Initializing The Model	1	Medium	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-2		USN-10	Adding LSTM Layers	2	High	Sayeeshwar

						Karthik Varunn Manasi Vedh Vijay
Sprint-2		USN-11	Adding Output Layers	3	Medium	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-2		USN-12	Configure The Learning Process	4	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-2		USN-13	Train The Model	2	Medium	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-2		USN-14	Test The Model	3	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-3	Application Building	USN-15	Build Python Code and Run The App in Local Browser	8	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-3		USN-16	Showcasing Prediction On UI	4	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-3		USN-17	Register for application using Email and Password	3	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-3		USN-18	Log in to application using registered account	1	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-3		USN-19	Download the predictions as PDF file	2	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-4	Train the Model On IBM	USN-20	Register For IBM Cloud	4	Medium	Sayeeshwar Karthik Varunn

						Manasi Vedh Vijay
Sprint-4		USN-21	Train The ML Model On IBM	8	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay
Sprint-4		USN-22	Integrate Flask with Scoring End Point	8	High	Sayeeshwar Karthik Varunn Manasi Vedh Vijay

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

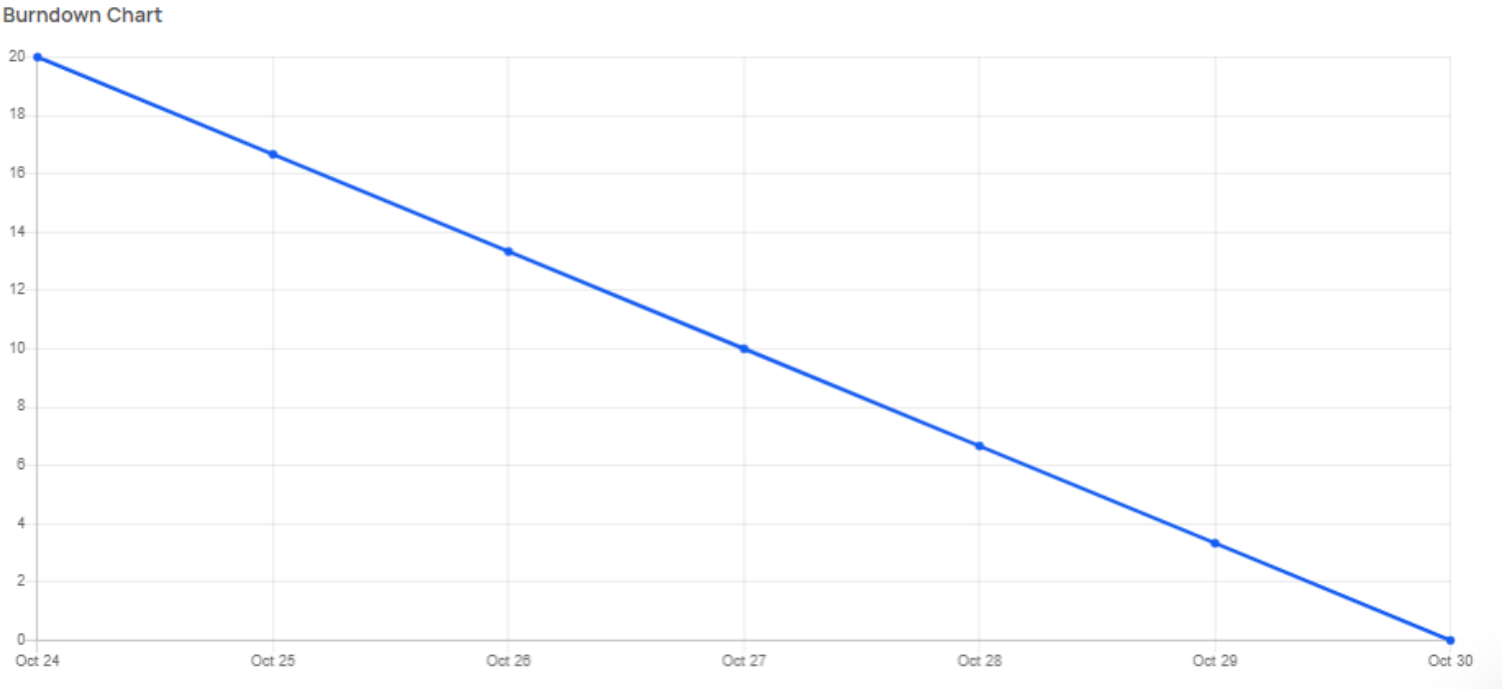| Sprint	Total Story Points	Duration Sprint Start Date Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release (Actual)
Sprint-1	20	7 Days 24 Oct 2022 30 Oct 2022	20	30 Oct 2022
Sprint-2	20	7 Days 31 Oct 2022 06 Nov 2022	16	06 Nov 2022
Sprint-3	20	7 Days 07 Nov 2022 13 Nov 2022	18	13 Nov 2022
Sprint-4	20	7 Days 14 Nov 2022 20 Nov 2022	20	20 Nov 2022

Velocity:

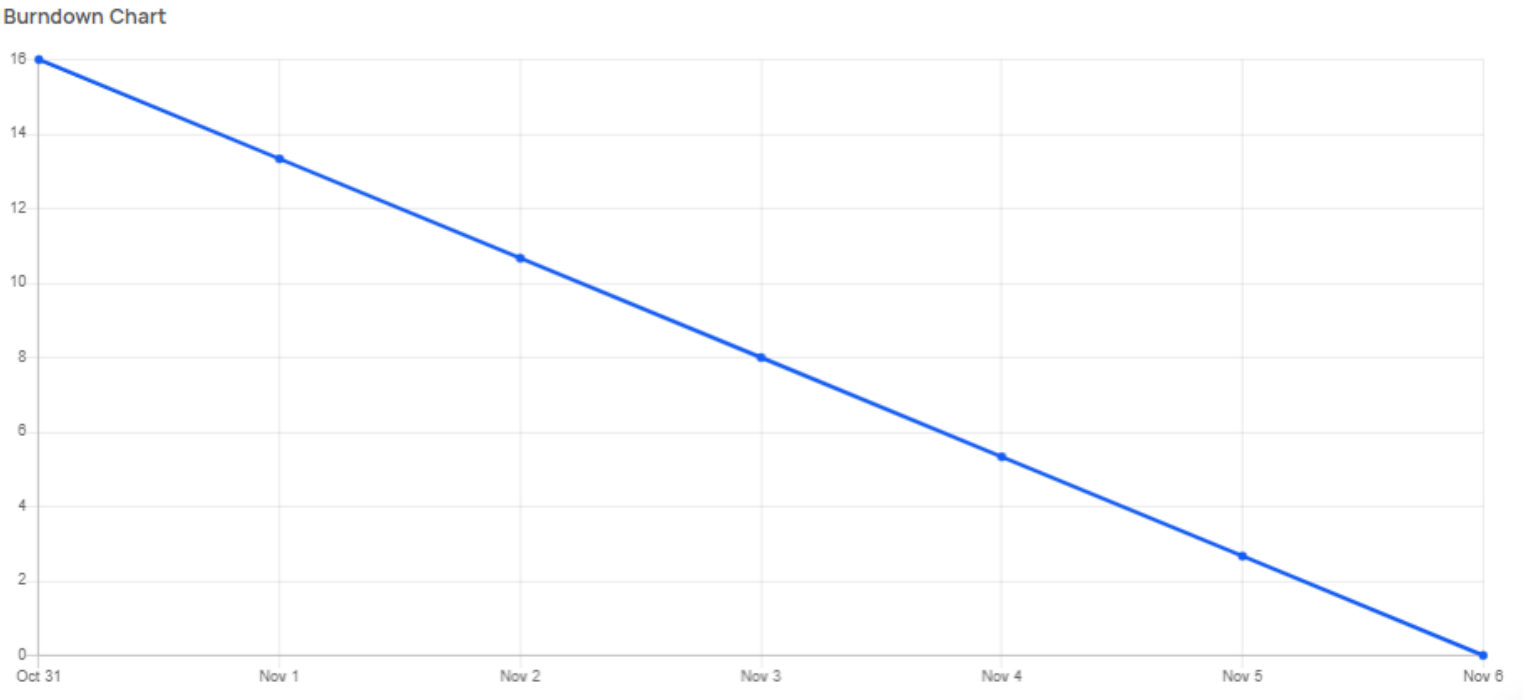| Sprint	Average Velocity
Sprint 1	2.8
Sprint 2	2.2
Sprint 3	2.5
Sprint 4	2.8

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.
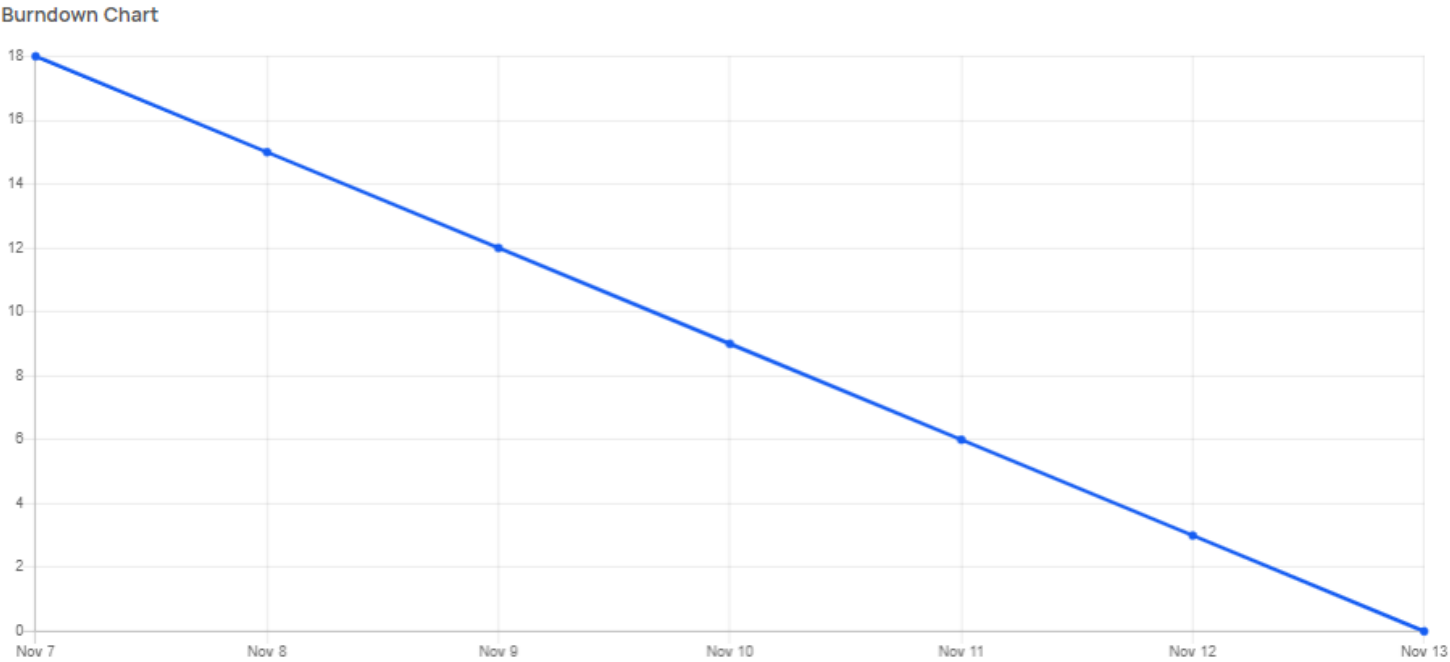
Burndown Chart - Sprint 1

Burndown Chart

Burndown Chart - Sprint 2

Burndown Chart

Burndown Chart - Sprint 3

Burndown Chart

Burndown Chart - Sprint 4

Burndown Chart