Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52922
Project Name	Project - Crude Oil price prediction
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	Google account	USN 1	A google account is used to log into google drive. This will be used to store datasets	10	High	1
Sprint 1	Data preproccesing	USN 2	Clean the data. Find missing values .	10	High	1
Sprint 2	ML modules	USN 3	Create the model using the train dataset	20	High	2
Sprint 2	ML modules	USN 4	Calculate the performance metrics and accuracy	10	Medium	2
Sprint 3	Make a basic UI	USN 5	Code the first webpage using flask	10	High	2
Sprint 3	Integrate website with Ml model	USN 6	Code the second webpage using flask	10	High	2
Sprint 4	Create IBM cloud account	USN 7	Integrate the websites and the model	20	Medium	1
Sprint 4	Run ML model on IBM and check for bugs	USN 8	Check the final product for bugs	10	High	3

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	30	6 Days	31 Oct 2022	05 Nov 2022	30	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	14 Nov 2022
Sprint-4	30	6 Days	14 Nov 2022	19 Nov 2022	30	19 Nov 2022

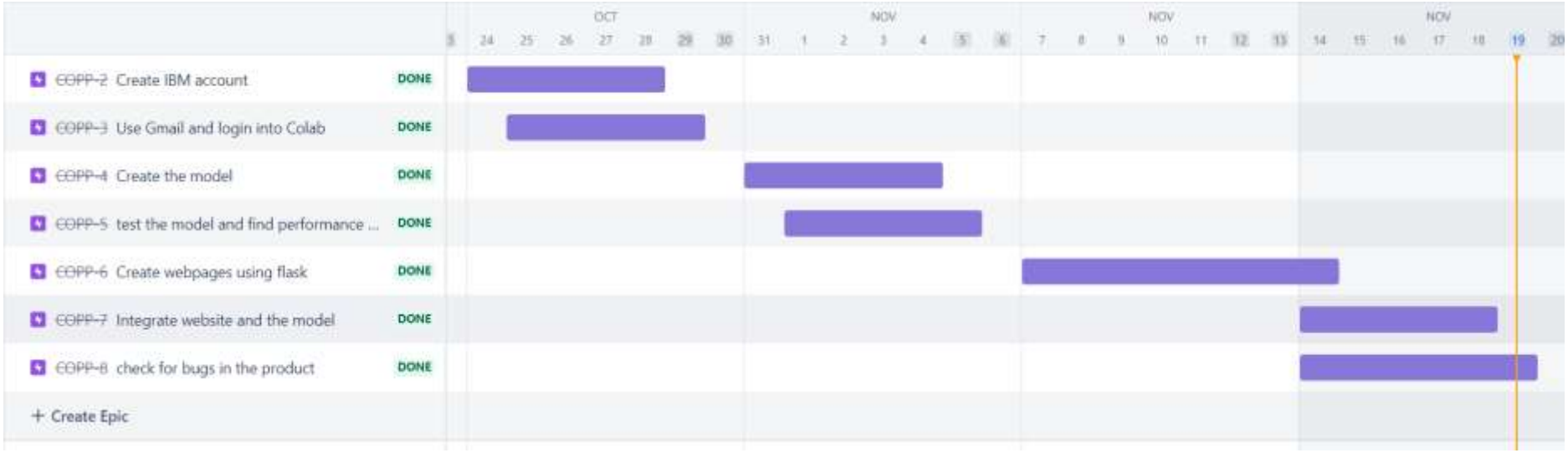
Velocity:

We have a 6-day sprint duration, and the velocity of the team is effectively 25 points per sprint (20 + 30 + 20 + 30 / 4). Let's calculate the team's average velocity (AV) per iteration unit (story points per day).

$$AV = \frac{sprint\ duration}{} = \frac{6}{25} = 0.24$$

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.



https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
https://www.atlassian.com/agile/tutorials/epics
https://www.atlassian.com/agile/tutorials/sprints
https://www.atlassian.com/agile/project-management/estimation
https://www.atlassian.com/agile/tutorials/burndown-charts