Project Planning Phase

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

Date	27 October 2023
Team ID	Team - 592521
Project Name	Project – Online Shoppers Intention Prediction
Maximum Marks	8 Marks

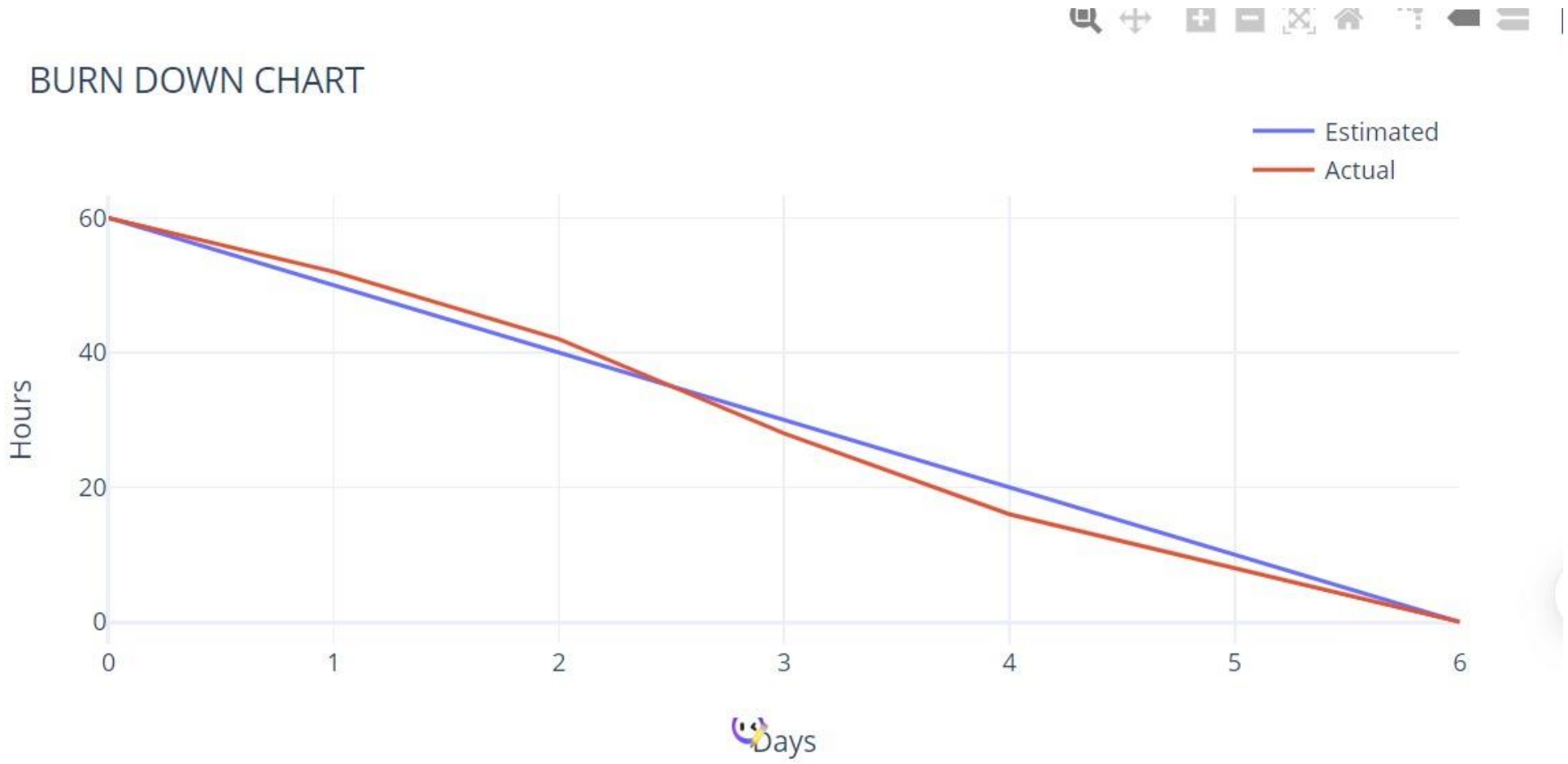
Product Backlog, Sprint Schedule, and Estimation (4 Marks)

create product backlog and sprint schedule

Sprint	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	USN-1	Collect user browsing data for analysis	3	High	1
Sprint-1	USN-2	Implement Logistic Regression for prediction	5	High	2
Sprint-2	USN-3	Explore and preprocess data for Random Forest algorithm	4	Medium	1
Sprint-2	USN-4	Train Random Forest model and evaluate performance	5	High	2
Sprint-3	USN-5	Implement K-Means clustering for user segmentation	4	Low	2
Sprint-3	USN-6	Evaluate and fine-tune clustering model	3	Medium	1
Sprint-4	USN-7	Analyze user behavior patterns and adjust models	4	High	2
Sprint-4	USN-8	Optimize and document the machine learning pipeline	4	Medium	2
Sprint-5	USN-9	Conduct user testing and gather feedback	3	Medium	1
Sprint-5	USN-10	Finalize predictive model	5	High	2
Sprint-6	USN-11	Deploy the model	5	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	8	6 Days	24 Oct 2023	29 Oct 2023	8	29 Oct 2023
Sprint-2	9	6 Days	31 Oct 2023	05 Nov 2023	9	31 Oct 2023
Sprint-3	7	6 Days	07 Nov 2023	12 Nov 2023	7	07 Nov 2023
Sprint-4	8	6 Days	14 Nov 2022	19 Nov 2022	8	14 Nov 2022
Sprint-5	8	6 Days	20 Nov 2023	26 Nov 2023	8	20 Nov 2023


BURN DOWN CHART
Estimated
Actual
60
40
20
0
Hours
0
1
2
3
4
5
6
Days

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)

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