Project Planning Phase

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

Date	9 November 2023
Team ID	PNT2022TMID592324
Project Name	Project - Project - Detection of Autistic Spectrum Disorder
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	Input Data	USN-1	A Doctor can visit this site and input the results of a patient.	1	High	Rishu, Pratyush
Sprint-2		USN-2	Allow individual users to answer the questions required to predict where they land on the autism spectrum.	1	Low	Surya, Sanjana, Rishu
Sprint-1	Output Result	USN-3	After giving in the inputs, the model runs in the background and give out the desired output	2	High	Sanjana, Rishu,

						Pratyush, Surya
Sprint-1	Machine Learning	USN-4	A Machine learning engineer is supposed to train the model to ensure low type 2 errors, and continue training the model as more users enter more data.	`3	High	Sanjana, Rishu, Pratyush, Surya
Sprint-1	Data Engineer	USN-5	Run data preprocessing on the input data to make it more readable and also make the training of the algorithm faster	3	High	Sanjana Rishu
Sprint-1	Frontend	USN-6	A frontend developer ensures that the website is working smoothly	2	High	Pratyush
Sprint-2	Backend	USN-7	Ensure that all the input data is stored in a database so that it can be used for further model training	1	Low	Pratyush, Rishu

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	18 Oct 2023	24 Oct 2023	20	24 Oct 2023

Sprint-2	40	10 Days	25 Oct 2023	03 Nov 2023	20	2 Nov 2023
Sprint-3	40	5 Days	04 Nov 2023	9 Nov 2023	20	9 Nov 2023

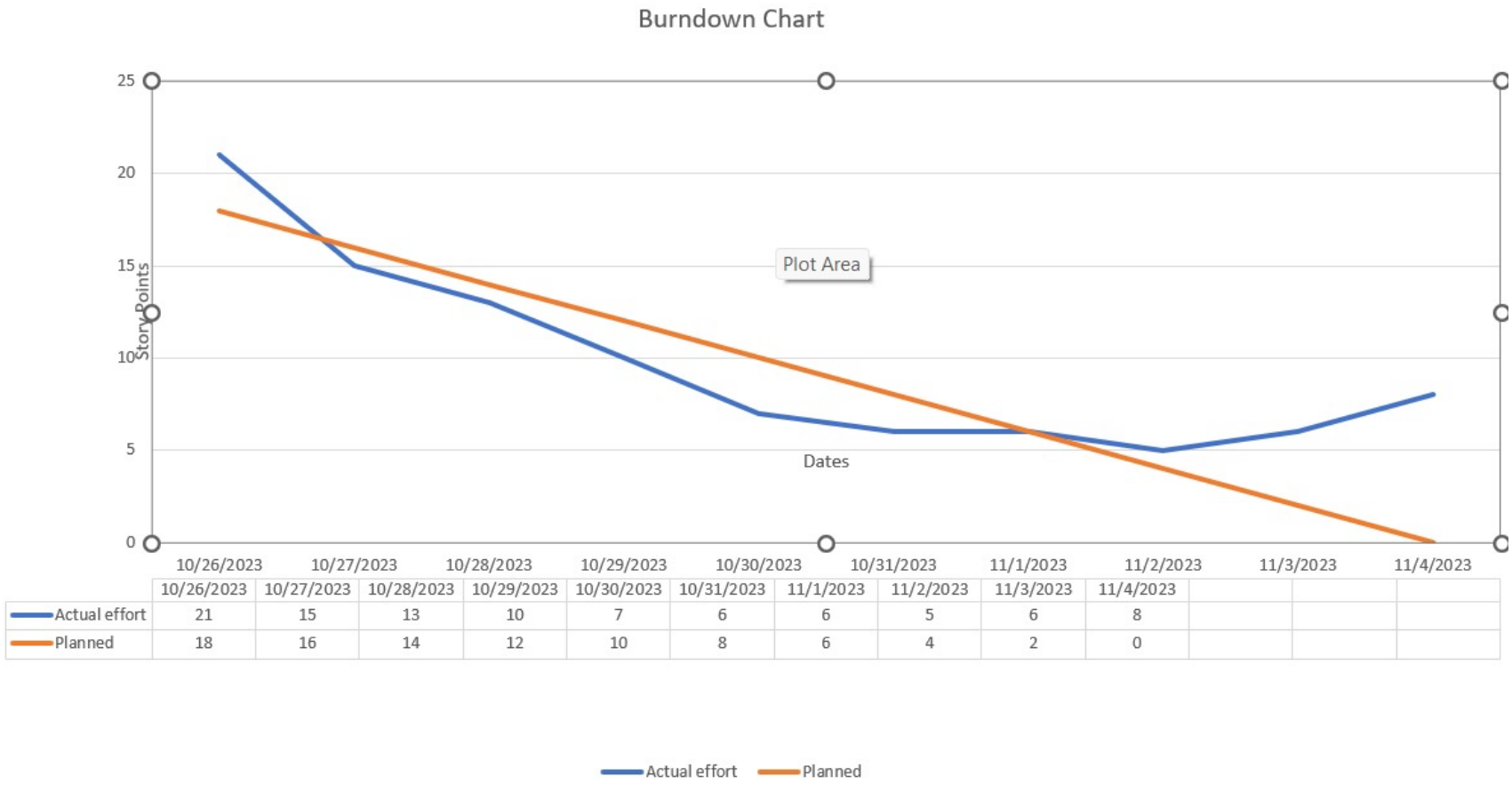
Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

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.

	Sprint	10/25/2023	##########	##########	##########	##########	##########	##########	11/1/2023	11/2/2023	11/3/2023	11/4/2023
		Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
4	Sprint 1	16	2	2	3	2	2	3	3	4		
5	Sprint 2	4									7	1
6	Actual effort	22	21	15	13	10	7	6	6	5	6	8
7	Planned	20	18	16	14	12	10	8	6	4	2	0
8												
9												
10												
11												
12												
13												
14												



	10/26/2023	10/27/2023	10/28/2023	10/29/2023	10/30/2023	10/31/2023	11/1/2023	11/2/2023	11/3/2023	11/4/2023			
Actual effort	21	15	13	10	7	6	6	5	6	8			
Planned	18	16	14	12	10	8	6	4	2	0			

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