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

Date	29 October 2022
Team ID	PNT2022TMID16383
Project Name	Project – Inventory Management system for retailers
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	Registration	USN-1	As a user, I can register for the application by using email ,username, password and phone number	3	High	JAYAPRAKASH P
Sprint-1	About	USN-2	As a user, I can view the about website.	2	Medium	LEELARAMAN C
Sprint-1	Confirmation	USN-3	As a user, I can login through username and password.	2	High	NAVEEN N
Sprint-2	Login	USN-4	As a user, I can log in to the authorized account by entering the registered username and password.	3	Medium	TAMILARASAN S JAYAPRAKASH P LEELARAMAN C NAVEEN N

Sprint-2	Dashboard	USN-5	As a user, I can view the products that are available currently.	4	High	JAYAPRAKASH P
Sprint-3	Stocks update	USN-6	As a user, I can add products which are not available in the inventory and restock the products.	3	Medium	TAMILARASAN S LEELARAMAN C
Sprint-3	Order update	USN-7	As a user, I can add a previous client order to the order list.	4	Medium	TAMILARASAN S
Sprint-4	Request for customer care	USN-8	As a user, I can request customer care to get in touch with the administrators and enquire about doubts and problems using a chatbot.	3	Medium	NAVEEN N

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	11	6 Days	24 Oct 2022	29 Oct 2022	11	29 Oct 2022
Sprint-2	7	6 Days	31 Oct 2022	05 Nov 2022	7	05 Nov 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	7	6 Days	14 Nov 2022	19 Nov 2022	7	19 Nov 2022

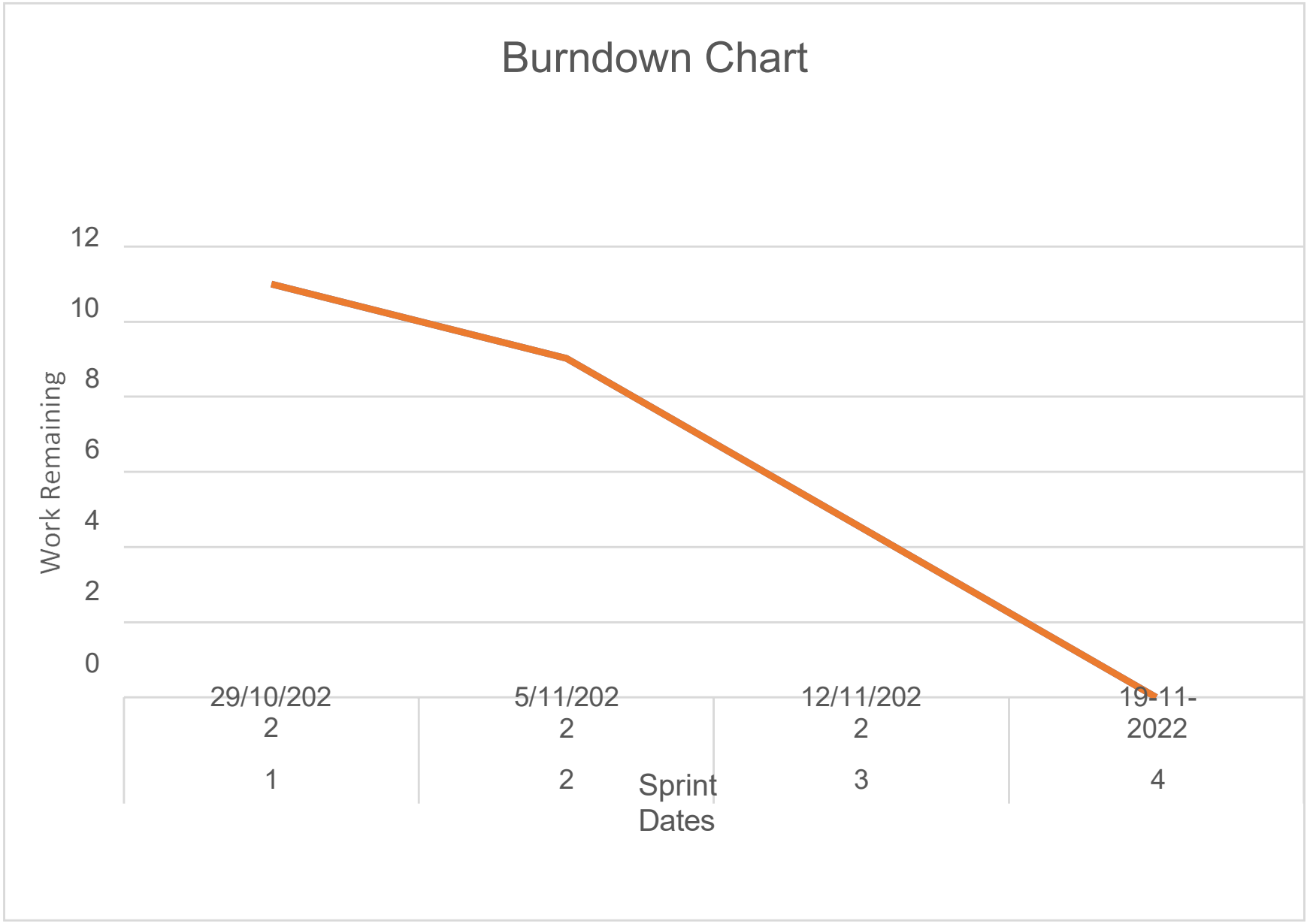
Velocity:

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)

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

Our velocity should be:

$$AV = \frac{(11+7+6+7)}{24} \quad \frac{31}{24} = 1.29$$


Burndown Chart
Work Remaining
12
10
8
6
4
2
0
29/10/2022
5/11/2022
12/11/2022
19-11-2022
1
2
3
4
Sprint
Dates

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

https://careereducation.smartinternz.com/Student/guided_project_workspa

ce/47838