Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID00392
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification
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	Enrolment	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	4
Sprint-2	IBM cloud	USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	4
Sprint-2	Installing required software	USN-3	As a user, I can register for the application through Facebook.	2	Low	1
Sprint-3	Integration of IBM cloud and NODE-RED	USN-4	As a user, I can register for the application through Gmail.	2	Medium	2
Sprint-4	Account Creation	USN-5	As a user, I can log into the application by entering email & password.	1	High	4
Sprint-4	Dashboard	USN-6	I can instantly access all of my TO DO checklists and dashboard features.	2	Medium	2
Sprint-5	Testing and Date of Demo	USN-7	If all goes as planned, I can test my model and begin my demonstration the same day.	2	High	4
Sprint-6	Overall	USN-8	This app may help with costs, income, payments, trades, and many other applications.	2	High	4

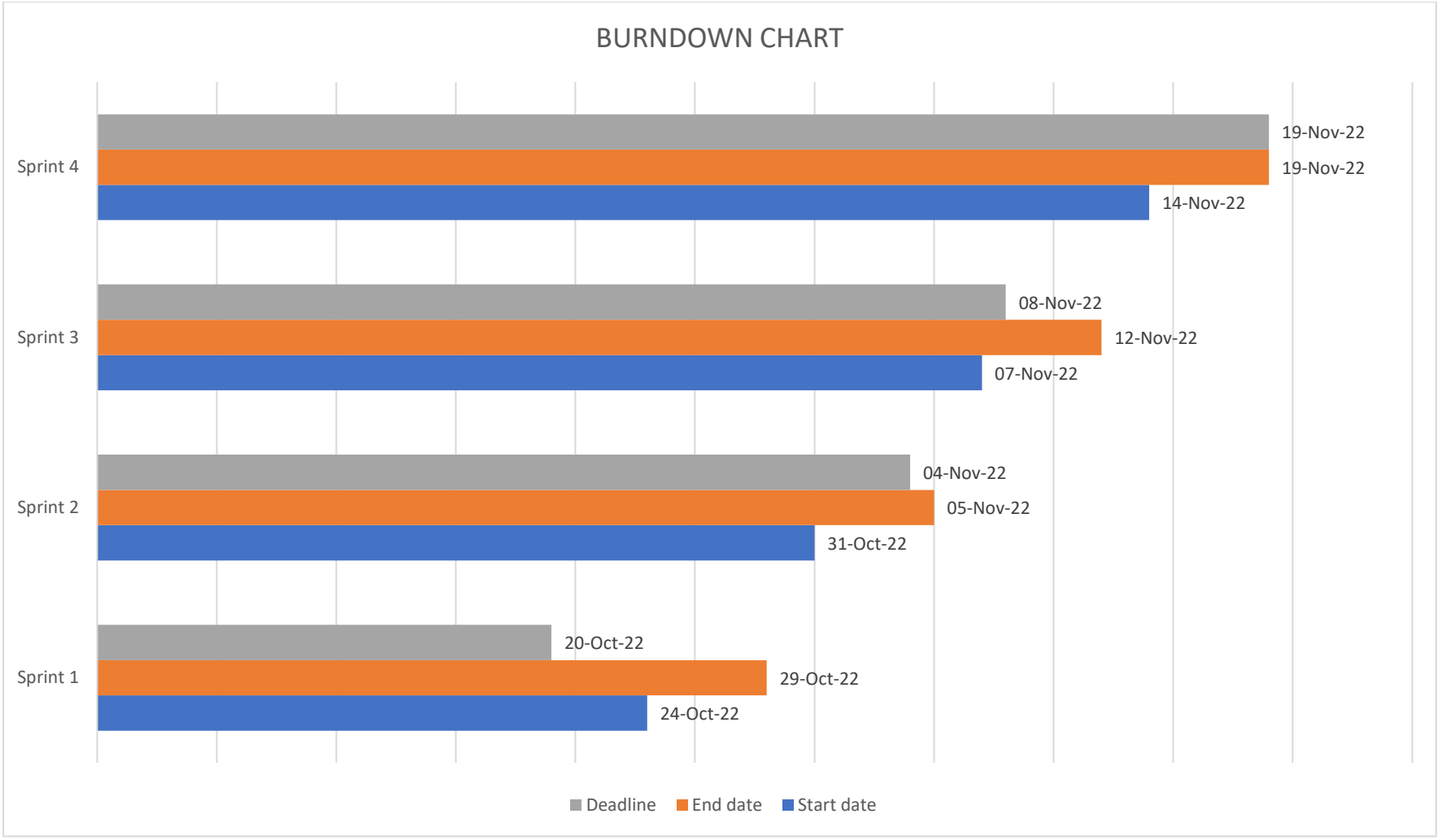
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	20 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		08 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		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)

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



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.

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