Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID48061
Project Name	Project -IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

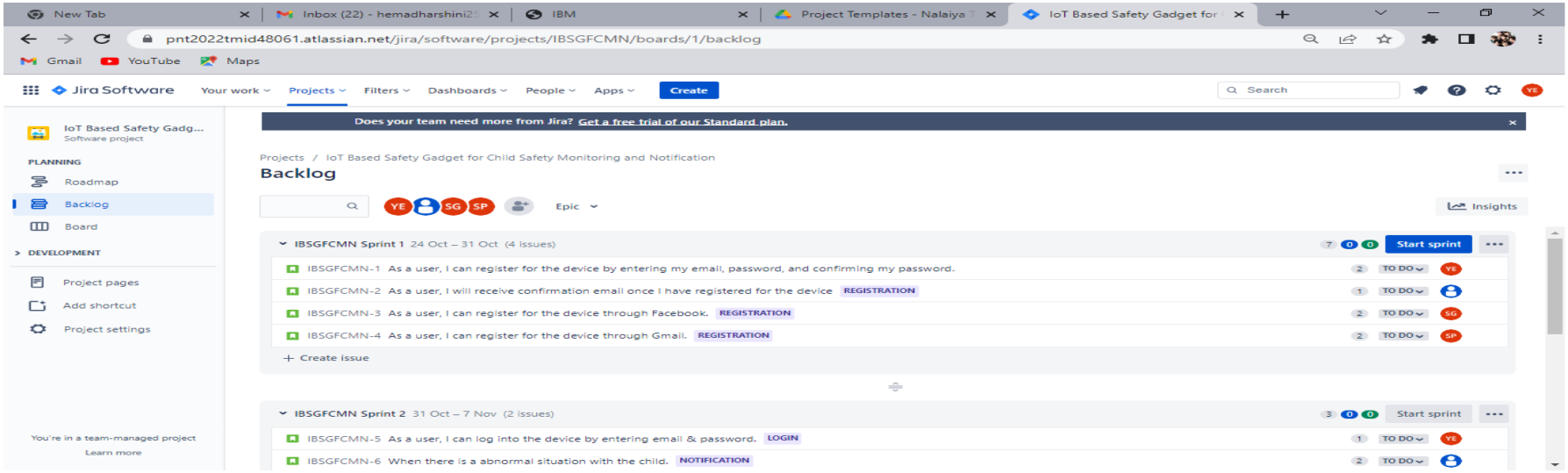
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the device by entering my email, password, and confirming my password.	2	High	V.Hema Dharshini
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the device	1	High	K.Nathiya
Sprint-1		USN-3	As a user, I can register for the device through Facebook	2	Low	G.Sangeetha
Sprint-1		USN-4	As a user, I can register for the device through Gmail	2	Medium	V.Suruthi Priya
Sprint-2	Login	USN-5	As a user, I can log into the device by entering email & password	1	High	K. Nathiya,V.Hema Dharshini
Sprint-2	Notification	USN-6	When there is a abnormal situation with the child	2	High	G. Sangeetha,K.Nathiya
Sprint-3	Network Connectivity	USN-7	When child go out of fence and enter into out of coverage area	1	Low	G. Sangeetha, V.Suruthi Priya
Sprint-4	Administrator	USN-8	When there is issue in accessing in both the device(connection of both parent's and child's device)	2	Medium	V.Suruthi Priya, V.Hema Dharshini

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

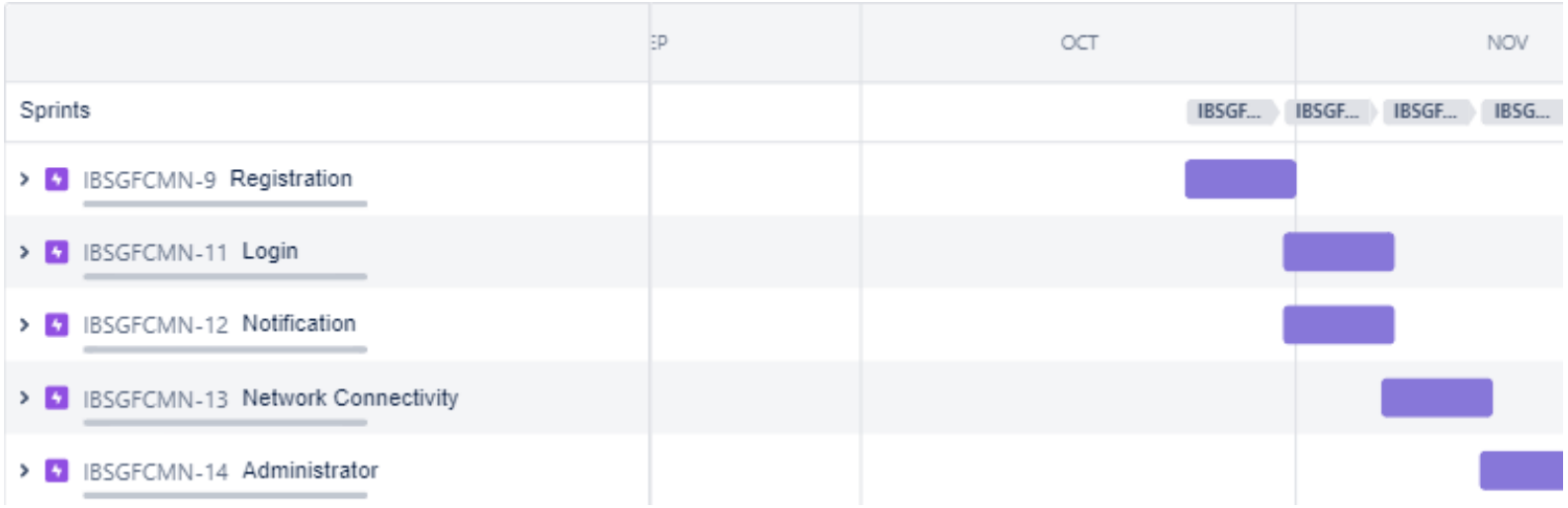
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Sprint Delivery Progress:

(Sprint Delivery Plan)



(Roadmap)

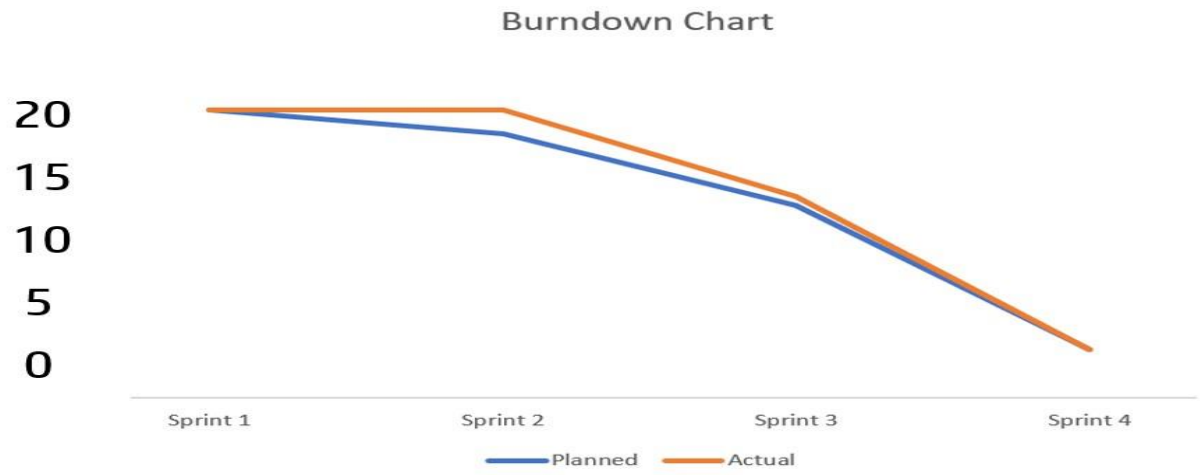


Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

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.



X- Axis: Story Points Y-Axis: Sprints Stages