Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID27573
Project Name	Personal Assistance for Seniors Who Are Self-Reliant
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:** Creation of IBM services like NODE RED, Cloudant DB and design of IOT system	USN-1	As a user, I should login into my IBM Cloud account	2	High	Vincy Veronica A, Preethi R
Sprint-2	**WEB UI:** Creating web UI using node red and connect it to IBM Cloudant DB	USN-2	As a user, I should be able to feed the medicine name and intake time in the web UI	2	High	Maria Anisha, Jane Ruffina Mary
Sprint-3	**SOFTWARE IMPLEMENTATION:** Developing Python code to retrieve data from cloudant db to send that data to IOT device at appropriate time	USN-3	As a user, I should be able to send the medicine name to the IOT device at the scheduled time	2	High	Preethi R, Maria Anisha
Sprint-4	**HARDWARE IMPLEMENTATION:** Converting data received from cloud as voice using IBM text to speech service	USN-4	As a user, I must be able to hear the medicine name which is to be taken at the appropriate time	2	High	Vincy Veronica, Jane Ruffina Mary

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 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)

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

Burndown Chart: