

Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID21393
Project Name	Project - 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	IBM Watson IOT platform	USN-1	Creating devices and board and generating data	1	medium	Nishok Rajan P Karthikeyan B Saravanaprakash S Viswa Bharathi K
Sprint-2	Storing Data using node-red	USN-2	Storing the data in IBM Cloudant DB through node-red functions	2	High	Nishok Rajan P Karthikeyan B Saravanaprakash S Viswa Bharathi K
Sprint-3	Frontend in App	USN-3	Creating the frontend for users to use the medicine reminder app in MIT App inventor	1	High	Nishok Rajan P Karthikeyan B Saravanaprakash S Viswa Bharathi K

Sprint-4	Backend in App	USN-4	Designing the block of backend for the app in MIT App inventor	2	Low	Nishok Rajan P Karthikeyan B Saravanaprakash S Viswa Bharathi K
Sprint-5	User login	USN-5	As a user, I can register for the application through Gmail and login in to the app	2	Medium	Nishok Rajan P Karthikeyan B Saravanaprakash S Viswa Bharathi K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	IBM Watson IOT platform	USN-1	Creating devices and board and generating data	1	medium	Nishok Rajan P Karthikeyan B Saravanaprakash S Viswa Bharathi K
Sprint-4	Reminder (TTS)	USN-5	Getting the speech reminder to users to take their tablet	1	High	Nishok Rajan P Karthikeyan B Saravanaprakash S Viswa Bharathi K

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	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 Nov 2022

Velocity:

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

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

Burndown Chart:

