

## Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID54311
Project Name	Personal assistant for senior people who are self-Reliant
Maximum Marks	8 Marks

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

Use the below template to create a 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 entering my email, and password, and confirming user password.	4	High	Aravindan.B
Sprint-1	Sign up	USN-2	As a user, I can sign up by giving the details.	4	High	Ganesh kumar.A
Sprint-1	Authentication	USN-3	As a user, I can register for the application	4	Medium	Ganesh kumar.A Aravindan.B
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	4	High	Adhithyan.S
Sprint-2	Dashboard	USN-5	As a user, I need to be able to view the functions that I can perform	4	High	Harish.D
Sprint-2	Add medicine	USN-1	As a user, I should be able to add medicine names	1 0	High	Ganesh Kumar.A Adhithyan.S
Sprint-2	Add prescriptions	USN-2	As a user, I can add the prescriptions	1 0	Medium	Aravindan.B
Sprint-2	Schedule	USN-3,1	I should be able to schedule as a user	6	Low	Harish.D

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Medicines,prescription	USN-1,4	As a user I can view the medicines and prescription	7	Medium	GANESH KUMAR.A
Sprint-3	IBM Watson lot device creation	USN-5,2	Creating the ibm iot device.	7	High	ARAVINDAN.B GANESH KUMAR.A
Sprint-3	Text to speech service	USN-1,4	Converting text to speech and remind the medicines using ibm text to speech service.	6	High	ADHITHYAN.S HARISH.D
Sprint-3	Workflow for iot using node red.	USN-2,3,5	Creating medicine remainder form using node red.	7	High	ARAVINDAN.B GANESH KUMAR.A HARISH.D ADHITHYAN.S
Sprint 4	Mit app inventor	USN-1,4	Application using mit app	7	High	ARAVINDAN.B GANESH KUMAR.A
Sprint 4	Alarm remainder	USN 2,3,5	Alarm remainder based on medication time	6	High	ADHITHYAN.S HARISH.D

**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	5 Days	28 october 2022	1 November 2022	20	1 Nov 2022
Sprint-2	20	5 Days	2 November 2022	6 November 2022	20	6 Nov 2022
Sprint-3	20	5 Days	7 November 2022	11 November 2022	20	11 Nov 2022
Sprint-4	20	5 Days	12 November 2022	16 November 2022	20	16 Nov 2022

**Velocity:**

Imagine we have a 6-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)

$$\begin{aligned}AV &= \text{SPRINT DURATION} / \text{VELOCITY} \\&= 20/10 \\&= 2\end{aligned}$$

### Burndown Chart:



