

6. PROJECT PLANNING & SCHEDULING

6.1 SPRINT PLANNING & ESTIMATION

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	27-10-2022
Team ID	PNT2022TMID17990
Project name	Personal Assistant For Seniors Who Are Self Reliant

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story points	Priority	Team Members
Sprint 1	Set Alarm	USN-1	As a user, I can set an alarm for alerting to take medicine through Medicine remainder system.	10	High	Pavithra S
Sprint 1		USN-2	As a user, I can Activate and Deactivate the alarm	10	High	Pavithra S
Sprint 2	Voice Assistant	USN-3	As a user once I set the alarm it will alert us voice assistant.	10	High	Kaviyadharshini S
Sprint 2		USN-4	It will tell us the time and name of the medicine once the time has set.	10	High	Kaviyadharshini S

Sprint 3	Cloudant DB	USN-6	For storing the details of medicine reminder for which Cloud DB is used	5	low	Niranjana K
Sprint 3		USN-7	As a user, I can store the name of the medicine with timing.	10	High	Niranjana K
Sprint 4	User Friendly Application	USN-8	Our app will be a companion for the senior citizen to consume the medicines on time.	5	Low	Anand G
		USN-9	As a user, one needs to set the medicine and time as per the instruction given by the user. The voice assistant will help to take medicines on time for senior citizens.	10	High	Anand G

Project Tracker, Velocity & Burn down Chart:

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	8 days	29-10-2022	5-11-2022	20	4-11-2022
Sprint 2	10	8 days	7-11-2022	14-11-2022	10	13-11-2022
Sprint 3	20	8 days	16-11-2022	23-11-2022	20	23-11-2022
Sprint 4	10	8 days	23-11-2022	30-11-2022	10	30-11-2022

Velocity: Let's calculate the team's average velocity (AV) per iteration unit (storypoints per day).

$$\begin{aligned} AV &= \text{Velocity} / \text{Sprint Duration} \\ &= 20 / 8 \\ &= 2.5 \end{aligned}$$

$$AV = 10 / 8 = 1.25$$

Burn down Chart :

