

## Project Planning Phase

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

Date	18October 2022
Team ID	PNT2022TMID40129
Project Name	Project - Personal Assistance for Seniors who are Self Reliant.
Maximum Marks	8 Marks

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

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, password, and confirming my password.	10	High	Suruthika M Divya T
Sprint-1	Login	USN-2	As a user, I can login to the application by entering email & password.	10	High	Ayesha Alam Mahalakshmi S
Sprint- 2	Dashboard	USN-3	As a user, I able to access the functions that I can perform.	8	Low	Divya T
Sprint-2	Add medicine and prescription	USN-4	As a user, I should be add medicine and prescription.	8	High	Suruthika M Mahalakshmi S
Sprint-2	Schedule	USN-5	I can schedule user according to their registration.	4	Medium	Ayesha Alam
Sprint-3	IBM Watson IOT device creation	USN-3,2	Creating the IBM iot device.	7	High	Divya T Mahalakshmi S
Sprint-3	Text to speech service	USN-1,2	Converting text to speech and remind the medicines using IBM text to speech service.	7	High	Suruthika M Ayesha Alam
Sprint-3	Working flow for using node red	USN-2,5	Creating medicine remainder form using node red platform.	6	Medium	Ayesha Alam Mahalakshmi S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Divya T Suruthika M
Sprint-4	MIT app inventor	USN-1,2	Developing app by using MIT app inventor.	10	High	Mahalakshmi S Ayesha Alam
Sprint-4	Alarm remainder	USN-2,3	Alarm remainder based on time period.	10	High	Divya T Suruthika M

#### 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

#### 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)

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

**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.

