

## Project Planning Phase

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

Date	18 November 2022
Team ID	PNT2022TMID14815
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	Registration Page	IBM-5	Developing Page for getting Username & Password	5	High	Rashmi S
Sprint 1	Registration Page	IBM-6	Triggering the Verification mail	5	High	Kaiser
Sprint 1	Registration Page	IBM-7	Giving optional registration methods from Facebook and Google	5	Low	Harish L
Sprint 1	Login Page	IBM-8	Logging in using Email & Password or by other services	5	Medium	Gokul K S
Sprint 2	Dashboard	IBM-9	Dashboard for Patient's Usage	8	High	Gokul K S
Sprint 2	Dashboard	IBM-10	Dashboard for Caretaker's Usage	6	Low	Kaiser
Sprint 2	Dashboard	IBM-11	Dashboard for Physician's Usage	6	Low	Rashmi S
Sprint 3	Backend and Hardware	IBM-12	Node-Red Flow Setup	5	Medium	Gokul K S
Sprint 3	Backend and Hardware	IBM-13	IBM Watson Setup	5	High	Rashmi S
Sprint 3	Backend and Hardware	IBM-14	Cloudant DB Setup	5	High	Kaiser

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 3	Backend and Hardware	IBM-15	Device Setup	5	High	Harish L
Sprint 4	Backend and Hardware	IBM-16	Text to Speech Engine	6	High	Gokul K S
Sprint 4	Backend and Hardware	IBM-17	Enhancing the interface through reiteration (Improvising)	4	High	Kaiser A
Sprint 4	Backend and Hardware	IBM-18	Hardware Integration	10	High	Harish L Kaiser A

**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.



