

## Project Planning Phase

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

Date	26 October 2022
Team ID	PNT2022TMID30898
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	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Naveen Kumar.K Vetri Vignesh.A Vishva.R Surendar anand.P
Sprint-1	Registration via Facebook	USN-2	As a user, I can register for the application through Facebook	3	High	Vishva.R Surendar anand.P
Sprint-1	Registration via Gmail	USN-3	As a user, I can register for the application through Gmail	3	High	Naveen Kumar.K Vetri Vignesh.A
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	1	Low	Surendar anand.P Naveen Kumar.K
Sprint-2	IBM cloud service	USN-5	Get access to IBM cloud services	3	High	Vetri Vignesh.A Vishva.R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Create IBM Watsonand device settings	USN-6	To create the IBM Watson IOT platform and Integrate the microcontroller with it to send sensed data to cloud	3	High	Naveen Kumar.K Vetri Vignesh.A Vishva.R
Sprint-2	Create node redservice	USN-7	To create a node red service to integrate theIBM Watson along with Web UI	3	High	Vishva.R Surendar anand.P
Sprint-3	Create Web UI	USN-8	To create Web UI for Admin Page to store Prescriptions along hospital side.	3	High	Naveen Kumar.K Vetri Vignesh.A
Sprint-3	Collect Data and Store it in Admin page	USN-9	Store the data of the Prescription in the Web UI	3	High	Surendar anand.P Naveen Kumar.K
Sprint-3	Text to speech	USN - 10	Integrating Text to Speech in the application or web application in the user end.	3	High	Surendar anand.P
Sprint-4	A remainder to the TTS services	USN-11	The admin or hospital management send the alert message to the user and their guardian (family member) when the user did not consume pills on concern time.	3	High	Naveen Kumar.K Vetri Vignesh.A Vishva.R
Sprint-4	Alert Message	USN-12	The admin or hospital management send the alert message to the user and their guardian (family member) when the user did not consume pills on concern time.	3	High	Vishva.R Surendar anand.P
Sprint-4	Testing	USN-13	Testing of project and final deliverables	3	High	Naveen Kumar.K Vetri Vignesh.A

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	8 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	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)

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

## 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

Burndown Chart

