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

Date	06 October 2022
Team ID	PNT2022TMID11797
Project Name	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	I can sign up for the application as a user by providing my email address, a password, and a password confirmation.	3	High	Yogeshwari S Praveen R
Sprint-1	Configuration Email	USN-2	When I register for the application as a user, I will get a confirmation email.	4	High	Yogeshwari S Sowbarnikkaa S
Sprint-1	Authentication	USN-3	I can sign up for the application as a user using Gmail and a mobile app.	4	Medium	Sanjay K Praveen R
Sprint-1	Login	USN-4	I can access the application as a user by providing my email address and password.	3	High	Sanjay K Sowbarnikkaa S
Sprint-1	Dashboard	USN-5	I must be able to see the actions that I can take as a user.	4	High	Sanjay K Yogeshwari S
Sprint-2	Notification	USN-1	I should be allowed to alert my parents and legal guardians in an emergency as a user.	10	High	Yogeshwari S Sowbarnikkaa S
Sprint-2	Store data	USN-5	I must continually enter my location information into the database as a user.	10	Medium	Sanjay K Praveen R
Sprint-3	Communication	USN-6	I should be able to communicate with user	6	Low	Praveen R Yogeshwari S

Sprint-3	IoT Device – Watson communication	USN-1,4	The IBM Cloud should receive the data from IoT devices.	7	Medium	Sowbarnikkaa S Praveen R
Sprint-3	Node RED-Cloudant DB communication	USN-5,2	The Cloudant DB should be correctly connected with the IBM Cloud's data.	7	High	Sowbarnikka S Yogeshwari S
Sprint-4	User – WebUI interface	USN-1,4	The Web UI should get inputs from the user	6	High	Praveen R Sanjay K
Sprint-4	Alarm	USN-2,3,5	Based on the time for the medication, the rest of the alarm should be set.	7	High	Sanjay K Sowbarnikkaa S

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)

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

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.