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

Date	22 October 2022
Team ID	PNT2022TMID24400
Project Name	Personal assistant for senior people who are self-Reliant
Maximum Marks	8 Marks

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

Use the below template to create a 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, and password, and confirming my password.	4	High	Shahithya Y, Faiza Fathima
Sprint-1	Confirmation Email	USN-2	As a user, I will receive a confirmation email once I have registered for the application	4	High	Harini K, Rajeshwari G
Sprint-1	Authentication	USN-3	As a user, I can register for the application through Gmail and mobile app.	4	Medium	Vaishnavi P, Shahithya Y
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	4	High	Faiza Fathima, Harini K
sprint-1	Dashboard	USN-5	As a user, I need to be able to view the functions that I can perform	4	High	Vaishnavi P, Rajeshwari G

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Notification	USN-1	As a user, I should be able to notify my parent and guardian in emergency situations	1 0	High	Shahithya Y, Harini K
Sprint-2	Store data	USN-2	As a user, I need to continuously store my location data into the database.	1 0	Medium	Faiza Fathima Vaishnavi P
Sprint-3	Communication	USN-3,1	I should be able to communicate with user	6	Low	Rajeshwari G Harini K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	IoT Device – Watson communication	USN-1,4	The data from IoT device should reach IBM Cloud	7	Medium	Faiza Fathima, Vaishnavi P
Sprint-3	Node RED- Cloudant DB communication	USN-5,2	The data stored in IBM Cloud should be properly integrated with Cloudant DB	7	High	Shahithya Y, Rajeshwari G
Sprint-4	User – WebUI interface	USN-1,4	The Web UI should get inputs from the user	6	High	Harini K Faiza Fathima
Sprint-4	Alarm	USN-2,3,5	The Alarm of the remainder should be done based on the medication time	7	High	Vaishnavi P Rajeshwari G

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

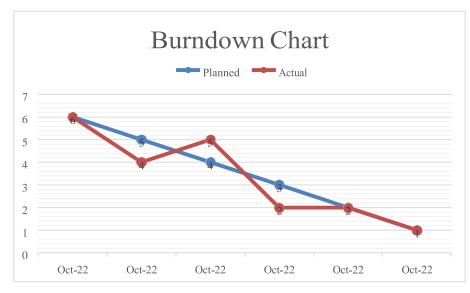| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	8 Days	29-10-2022	05-11-2022	20	04-11-2022
Sprint-2	20	8 Days	07-11-2022	14-11-2022	20	13-11-2022
Sprint-3	20	8 Days	16-11-2022	23-11-2022	20	23-11-2022

Sprint-4	20	8 Days	23-11-2022	30-112022	20	30-11-2022

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:

Burndown Chart

Planned — Actual

	A	B	C	D	E	F
1		Time		Tasks		
2	Day	Dates	Planned	Actual		
3	Mon	Oct-22	6	6		
4	Tue	Oct-22	5	4		
5	Wed	Oct-22	4	5		
6	Thurs	Oct-22	3	2		
7	Friday	Oct-22	2	2		
8	Saturday	Oct-22	1	1		

B3 — fx 24-10-2022