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

Date	18 October 2022
Team ID	PNT2022TMID52021
Project Name	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.	5	High	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation within the web application once I have registered for the application.	3	Low	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P
Sprint-1	Login	USN-3	As a user, I can login into the application using my email and password.	5	High	Nithisa X U Abishek A Siva Athithya V J

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Abinaya D S Nishanth P
Sprint-1	Dashboard	USN-4	As a user, I can access the dashboard to enter the name of the medicines with their timings to be taken.	4	Medium	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P
Sprint-1	Data Save Acknowledgement	USN-5	Data will be saved in the web application and acknowledgement will be given to the user.	3	Low	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P
Sprint-2	User-Web UI interface	USN-6	The Web UI should get inputs from the user	7	High	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P
Sprint-2	App interface	USN-7	An application for a user to access the facility.	6	Medium	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Store Data	USN-8	User's data must be saved properly in Database	7	High	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P
Sprint-3	IoT Watson Communication	USN-9	The data from IoT devices should reach the cloud though this.	6	Medium	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P
Sprint-3	Node-Red service	USN-10	The data stored in IBM Cloud should be properly integrated with Cloudant DB	7	Medium	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P
Sprint-3	Integration of Cloud & Node-Red Service	USN-11	Must ensure if there is an established communication between all services	7	High	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P
						Nithisa X U Abishek A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Text-To-Spee ch service	USN-12	Data processed from the IBM Watson must be converted into speech and be reverted back to users	10	High	Siva Athithya V J Abinaya D S Nishanth P
Sprint-4	Alarm Reminder	USN-13	The Alarm of the remainder should be done based on the medication time	10	High	Nithisa X U Abishek A Siva Athithya V J Abinaya D S Nishanth P

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 burndown 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.