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

Date	18 October 2022
Team ID	PNT2022TMID37064
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	Medicine data (Python script)	USN-1	Here we are using python script to generate the random data.	8	High	U Ruchitha Daisy Deepika N
Sprint-2	IBM IOT platform	USN-2	To send the data to IOT Device, IBM IOT platform is created.	5	High	U Ruchitha Daisy Deepika N Venkata Sunitha D
Sprint-3	Node RED Service	USN-3	To access the IBM IOT platform from external application or from external UI Node red service is established.	5	High	U Ruchitha Sangeetha E Daisy Deepika N
Sprint-4	User Application	USN-4	To Set time and medicine details the User is provided with an user application created by MIT App Inventor	5	High	Venkata Sunitha D Sangeetha E Daisy Deepika N
Sprint-4	Registration	USN-5	As a user, I can register for the application by entering my username, password, and confirming my password.	3	Low	U Ruchitha Venkata Sunitha D Sangeetha E
Sprint-4	Login	USN-6	As a user, I can login into the application by entering email & password.	2	Low	Venkata Sunitha D Sangeetha E

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	8	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022	5	06 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	5	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.