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

Date	16-11- 2022
Team ID	PNT2022TMID54420
Project Name	Personal assistant for people 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	Login	USN-1	As an admin, I can log into the application byentering username & password	5	Medium	Samyuktha Shrruthi K R
Sprint-1		USN-2	When the admin does not enter the username, it displays an error message group	3	Medium	Samyuktha Shrruthi K R
Sprint-1		USN-3	When the admin does not enter the password, it displays an error message popup	4	Medium	Samyuktha Shrruthi K R
Sprint-1		USN-4	When the admin enters the invalid credentials, itdisplays an error popup	5	Medium	Sandhiya V
Sprint-1		USN-5	When the admin enters the correct username and password it redirects to the dashboard	3	High	Sandhiya V
Sprint-2	Dashboard	USN-1	Creating a Node-Red dashboard	5	Medium	Sri malini R
Sprint-2		USN-2	Developing a Node-Red to publish data to IBM cloud	8	High	Sri malini R
Sprint-2		USN-3	Create a register form in Node-Red	7	Medium	Sri malini R
Sprint-3	Creating device	USN-1	Creating a device in IBM Watson IOT platform	10	High	Yogapriya B
Sprint-3	Python	USN-2	Connect the device created in wokwi to the device created in IBM Watson IOT platform.	10	High	Yogapriya B
Sprint-4	MIT app inventor	USN-1	Create an Interface for login page andDashboard	5	Low	Yogapriya B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-2	Connect MIT app to Node Red	5	High	Samyuktha Shrruthi K R
Sprint-4		USN-3	As a user, I can keep track of the medicine time	6	Medium	Sri malini R
Sprint-4	Alert	USN-4	Retrieving the time from cloudant and alert the user through voice command	4	High	Sandhiya V

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	4 Days	31 Oct 2022	3 Nov 2022	20	2 Nov 2022
Sprint-2	20	5 Days	04 Nov2022	8 Nov 2022	20	8 Nov 2022
Sprint-3	20	5 Days	09 Nov 2022	13 Nov 2022	20	12 Nov 2022
Sprint-4	20	4 Days	14 Nov 2022	17 Nov 2022	20	18 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)

$$AV = \text{Sprint duration / Velocity}$$

$$= 20 / 18$$

$$AV = 1.11$$

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Burndown Chart