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

Date	16-11- 2022
Team ID	PNT2022TMID26620
Project Name	Personal assistant for people who are selfreliant
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 a admin, I can log into the application by entering username & password	5	Medium	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
Sprint-1		USN-2	When the admin doesn't enter the username it displays an error message group	3	Medium	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
Sprint-1		USN-3	When the admin doesn't enter the password it displays an error message popup	4	Medium	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M

Sprint-1		USN-4	When the admin enters the invalid credentials it displays an error popup	5	Medium	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
Sprint-1		USN-5	When the admin enter the correct username and password it redirects to the dashboard	3	High	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
Sprint-2	Dashboard	USN-1	Creating a Node-Red dashboard	5	Medium	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
Sprint-2		USN-2	Devoloping a Node-Red to publish data to IBM cloud	8	High	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
Sprint-2		USN-3	Create a register form in Node-Red	7	Medium	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
Sprint-3	Creating device	USN-1	Creating a device in IBM Watson IOT platform	10	High	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Python	USN-2	Connect the device created in wokwi to the device created in IBM Watson IOT platform.	10	High	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
Sprint-4	MIT app inventor	USN-1	Create a Interface for login page and Dashboard	5	Low	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
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	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
Sprint-4		USN-3	As a user, I can keep track of the medicine time	6	Medium	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M
Sprint-4	Alert	USN-4	Retrieving the time from cloudant and alert the user through voice command	4	High	Balaji.T, Annamai.A, Isak Dayas.S, Ajay.A, Girishankar.M

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