y

Project Planning Phase

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

Team ID	**PNT2022TMID27689**
Project Name	**Personal assistant for senior people who are self-Reliant**

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

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, and password, and confirming my password.	5	High	Shalini S
Sprint-1	Confirmation Email	USN-2	As a user, I will receive a confirmation email once I have registered for the application	6	High	Shalini S Saroja B

Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	4	High	Shalini S Shobika A
Sprint-1		USN-4	As a user I want to take medicines on time and monitor my health	6	High	Shalini S Yuvati Malavikaa VS
Sprint-2	Dashboard	USN-5	As a user I want to take medicines on time via SMS	9	High	Shalini S Saroja B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Node RED - Cloudant DB communication	USN-6	As a user my patient medication time and database should be loaded in database	13	High	Shalini S, Shobika A
Sprint-3	Text to speech	USN-7	As a user I need to take medicines on time by voice commands	7	Medium	Shalini S Shobika A
Sprint-4	Cloudant DB communication	USN-8	As a user I want to know the stock alert of my medicines before it gets over	6	Low	Shalini S, Yuvati Malavikaa VS
Sprint-2	User – Web UI interface	USN-9	The Web UI should get inputs from the user	9	High	Shalini S Saroja B
Sprint-4	Alarm	USN-10Shalini	The Alarm of the remainder should be done based on the medication time	11	High	Shalini S Yuvati Malavikaa VS

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	21	6 Days	24 Oct 2022	29 Oct 2022	21	29 Oct 2022
Sprint-2	18	6 Days	31 Oct 2022	05 Nov 2022	18	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	17	6 Days	14 Nov 2022	19 Nov 2022	17	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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Average Velocity for Sprint 1 => **21/6 = 3.5** => **3 Story points per day**

Average Velocity for Sprint 2 => **18/6 = 3** => **3 Story points per day**

Average Velocity for Sprint 3 => **20/6 = 3.3** => **3 Story points per day**

Average Velocity for Sprint 4 => **17/6 = 2.87** => **2 Story points per day**

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.