

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID29008
Project Name	Personal assistant for senior people who are self-Reliant
Maximum Marks	8 Marks

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

Use the below template to create a 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 user password.	4	High	Lavanya.R
Sprint-1	Confirmation Email	USN-2	As a user, I will receive a confirmation email once I have registered for the application	4	High	Keerthana.A
Sprint-1	Authentication	USN-3	As a user, I can register for the application through Gmail and mobile app.	4	Medium	Keerthana.A Lavanya.R
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	4	High	Akshaya.k
Sprint-1	Dashboard	USN-5	As a user, I need to be able to view the functions that I can perform	4	High	Monikaa.R
Sprint-2	Notification	USN-1	As a user, I should be able to notify my parent and guardian in emergency situations	1 0	High	Keerthana.A Akshaya.K
Sprint-2	Store data	USN-2	As a user, I need to continuously store my location data into the database.	1 0	Medium	Lavanya.R
Sprint-3	Communication	USN-3,1	I should be able to communicate with user	6	Low	Monikaa.R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	IoT Device – Watson communication	USN-1,4	The data from IoT device should reach IBM Cloud	7	Medium	Keerthana.A
Sprint-3	Node RED- Cloudant DB communication	USN-5,2	The data stored in IBM Cloud should be properly integrated with Cloudant DB	7	High	Lavanya.R Keerthana.A
Sprint-4	User – WebUI interface	USN-1,4	The Web UI should get inputs from the user	6	High	Akshaya.K Monikaa.R
Sprint-4	Alarm	USN-2,3,5	The Alarm of the remainder should be done based on the medication time	7	High	Lavanya.R Akshaya.K Keerthana.A Monikaa.R

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	4 November 2022	9 November 2022	20	9 Nov 2022
Sprint-2	20	6 Days	10 November 2022	15 November 2022	20	15 Nov 2022
Sprint-3	20	6 Days	16 November 2022	21 November 2022	20	21 Nov 2022
Sprint-4	20	6 Days	22 November 2022	28 November 2022	20	28 Nov 2022

Velocity:

Imagine we have a 6-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)

$$\begin{aligned}
 AV &= \text{SPRINT DURATION} / \text{VELOCITY} \\
 &= 20/6 \\
 &= 3.33
 \end{aligned}$$

Burndown Chart:

