

Project Planning Phase

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

Date	02 November 2022
Team ID	PNT2022TMID27334
Project Name	Personal assistance 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 my password.	3	High	Aravind B
Sprint-1	Confirmation Email	USN-2	As a user, I will receive a confirmation email once I have registered for the application	4	High	Dinesh T
Sprint-1	Authentication	USN-3	As a user, I can register for the application through Gmail and mobile app.	4	Medium	Athi Kesavan B
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	3	High	Elwin D Subin E
Sprint-1	Dashboard	USN-5	As a user, I need to be able to view the functions that I can perform	4	High	Athi Kesavan B Aravind B
Sprint-2	Notification	USN-1	As a user, I should be able to notify my parent and guardian in emergency situations	1 0	High	Dinesh T Elwin D Subin E
Sprint-2	Store data	USN-2	As a user, I need to continuously store my location data into the database.	1 0	Medium	Dinesh T
Sprint-3	Communication	USN-3,1	I should be able to communicate with user	6	Low	Elwin D Subin E

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	Aravind B
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	Athi Kesavan B
Sprint-4	User – WebUI interface	USN-1,4	The Web UI should get inputs from the user	6	High	Athi Kesavan B Aravind B
Sprint-4	Alarm	USN-2,3,5	The Alarm of the remainder should be done based on the medication time	7	High	Dinesh T Elwin D Subin 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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

Burndown Chart:

