

Project Planning Phase

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

Date	17 November 2022
Team ID	PNT2022TMID30906
Project Name	Project–IOT Based Safety Gadget For Child Safety Monitoring and Notification
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	priyadharshini.M Ramya.S Sangeetha.G Subhulakshmi.D
Sprint-1	Registration via Facebook	USN-2	As a user, I can register for the application through Facebook	3	High	Sangeetha.G Subhulakshmi.D
Sprint-1	Registration via Gmail	USN-3	As a user, I can register for the application through Gmail	3	High	Priyadharshini.M Ramya.S
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	1	Low	Subhulakshmi.D Priyadharshini.M
Sprint-2	IBM cloud service	USN-5	Get access to IBM cloud services	3	High	Ramya.S Sangeetha.G

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Create IBM Watsonand device settings	USN-6	To create the IBM Watson IOT platform and Integrate the microcontroller with it to send sensed data to cloud	3	High	Priyadharshini.M Ramya.S Sangeetha.G
Sprint-2	Create node redservice	USN-7	To create a node red service to integrate theIBM Watson along with Web UI	3	High	Subhulakshmi.D Sangeetha.G
Sprint-3	Create Web UI	USN-8	To create Web UI for Admin Page to store Prescriptions along hospital side.	3	High	Ramya.S Priyadharshini.M
Sprint-3	Collect Data and Store it in Admin page	USN-9	Store the data of the Prescription in the Web UI	3	High	Subhulakshmi.D Priyadharshini.M
Sprint-3	Text to speech	USN - 10	Integrating Text to Speech in the application or web application in the user end.	3	High	Subhulakshmi.D Ramya.S
Sprint-4	A remainder to the TTS services	USN-11	The admin or hospital management send the alert message to the user and their guardian (family member) when the user did not consume pills on concern time.	3	High	Priyadarshini.M Ramya.S Sangeetha.G
Sprint-4	Alert Message	USN-12	The admin or hospital management send the alert message to the user and their guardian (family member) when the user did not consume pills on concern time.	3	High	Subhulakshmi.D Sangeetha.G
Sprint-4	Testing	USN-13	Testing of project and final deliverables	3	High	Priyadharshini.M Ramya.S

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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	8 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	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)

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

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

Burndown Chart

