

Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID01183
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 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 email, password, and assuring the same password.	5	High	THIRUPUGAZHI
Sprint-1	Confirmation of Email	USN-2	As a user, I will receive a confirmation email once I have registered for the application	5	High	THIRUPUGAZHI
Sprint-1	Authentication	USN-3	As a user, I can register for the application through Gmail and mobile app.	10	Medium	SWETHA
Sprint-1	Login	USN-4	As a user, I can log into the application by entering mail id & password	10	High	SANDHIYA
Sprint-1	Dashboard	USN-5	As a user, I need to enable the view the functions that I can perform	10	High	JYOTHI
Sprint-2	IoT Device Watson communication	USN-6	The data from IoT device should reach IBMcloud	7	High	THIRUPUGAZHI SWETHA SANDHIYA JYOTHI
Sprint-3	Node RED Cloudant DB communication	USN-7	The data stored in IBM cloud should be properly integrated with cloudant DB	7	Medium	SWETHA SANDHIYA JYOTHI THIRUPUGAZHI
Sprint-4	Geofencing	USN-8	The geofencing of the child should be done based on the geographical coordinates	6	Low	JYOTHI THIRUPUGAZHI SANDHIYA SWETHA

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 Oct2022	08 Nov 2022	20	08 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	14 Nov 2022	20	14 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)

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

BURNDOWN CHART

