Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID22281
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

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.	1	High	Asvitha V S
Sprint-1		USN-2	As a user, I will receive verification email once I have registered for the application	2	High	Swetha P
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	1	High	Silviya D
Sprint-2	Integrate and code	USN-4	Integrating the IBM Watson IoT Platform, cloudant DB and application with the node red .	2	High	Niranjana S
Sprint - 2		USN- 5	Developing the code for connecting with IBM Watson IoT platform.	1	High	Asvitha V S, Niranjana S, Silviya D
Sprint-3	Cloud	USN- 6	The child locations are stored in cloud	1	Medium	Asvitha V S
Sprint-4	Notification	USN- 7	Allowing the parent or guardian to see the current location status of the children.	1	High	Swetha P
Sprint-4		USN-8	Notification message is sent to the parent or guardian if the child crosses the geofence.	1	High	Mufasarunisa M

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	5 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)

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