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	Simulator	USN-1	Connecting all the required sensors and actuators with the Arduino	1	High	Silviya
Sprint-2	Cloud	USN-2	Creating and configuring the IBM cloud account	2	High	Niranjana
Sprint-2		USN-3	Implementing the IBM Watson IoT Platform and node red in IBM cloud.	2	High	Asvitha
Sprint-3	Application	USN-4	Developing the python code	2	High	Asvitha, Niranjana, Silviya
Sprint-3		USN-5	Developing the application using the MIT App Inventor	1	High	Swetha
Sprint-4	Web UI	USN-6	Allowing the parent or guardian to interact with the application.	1	Medium	Mufasarunisa
Sprint-4		USN-7	Allowing the parent or guardian to see the current location status of the children	2	High	Asvitha

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)

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