Project Planning Phase

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

Date	15 November 2022
Team ID	PNT2022TMID06083
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	Live location tracking	USN-1	Safety gadget contains a GPS module, fetch the current location	2	High	Akash V Ranjith R Naveen kumar E Malathy M
Sprint-2	Simulation creation	USN-2	Connect Sensors and Arduino with python code	1	High	Akash V Ranjith R Naveen kumar E Malathy M
Sprint-2	MIT app Inventor	USN-3	Develop an application for the smart gadget for child safety using MIT App inventor	2	Low	Akash V Ranjith R Naveen kumar E Malathy M
Sprint-3	Dashboard	USN-4	Design the modules and test and connect to the database	2	High	Akash V Ranjith R Naveen kumar E Malathy M
Sprint-4	Web UI	USN-5	To make the user to interact with software and find the location	2	High	Akash V Ranjith R Naveen kumar E Malathy M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Software	USN-6	Creating device in the IBM Watson IOT platform workflow for IOT scenarios using Node-red.	2	High	Akash V Ranjith R Naveen kumar E Malathy 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	3 Days	31 Oct 2022	2 Nov 2022	2	2 Nov 2022
Sprint-2	20	3 Days	3 Oct 2022	6 Nov 2022	2	6 Nov 2022
Sprint-3	20	5 Days	07 Nov 2022	11 Nov 2022	2	11 Nov 2022
Sprint-4	20	7 Days	13 Nov 2022	19 Nov 2022	2	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)

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