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

Date	04 November 2022
Team ID	PNT2022TMID51106
Project Name	Hazardous Area Monitoring For Industrial Plant Powered by IoT
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Installation of Beacons	USN-1	The administrator will start by positioning smart beacons where they are required.	15	High	Sabriyah M Sakthi Abirami N Sneha P Priyadharshini R
Sprint-1	Providing Wearables	USN-1	Every person at the Industry will receive a wearable device from the Admin.	5	Medium	Sabriyah M Sakthi Abirami N Sneha P Priyadharshini R
Sprint-2	Cloud Setup	USN-2	The wearable will be able to transmit real-time data to the cloud via the smart Beacons.	20	High	Sabriyah M Sakthi Abirami N Sneha P Priyadharshini R
Sprint-3	Online Monitoring via Web	USN-3	The cloud services will be used to develop and link websites.	20	High	Sabriyah M Sakthi Abirami N Sneha P Priyadharshini R
Sprint-4	Monitoring via Mobile	USN-4	To notify the user of anomaly, a mobile application will be developed and rapid SMS would be employed.	20	High	Sabriyah M Sakthi Abirami N Sneha P Priyadharshini R

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		29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		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: