Project Planning Phase

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

Date	01 November 2022
Team ID	PNT2022TMID20013
Project Name	Hazardous Area Monitoring for Industrial Plant Powered by IoT
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	Installation of Beacons	USN-1	First the Admin will be installing smart beacons at necessary places.	15	High	Aravinth S Ajay R Harees N K Jerosh C Daniel R
Sprint-1	Providing Wearables	USN-1	The Admin will be providing everyone at the Industry a wearable device.	5	Medium	Aravinth S Ajay R Harees N K Jerosh C Daniel R
Sprint-2	Cloud Setup	USN-2	The smart Beacons will connect with the cloud services. Where we can get the realtime data from the wearable	20	High	Aravinth S Ajay R Harees N k Jerosh C Daniel R
Sprint-3	Online Monitoring via Web	USN-3	Websites will be created and connected with the cloud services.	20	High	Aravinth S Ajay R Harees N K Jerosh C Daniel R
Sprint-4	Monitoring via Mobile	USN-4	Mobile Application will be created and fast sms will beused to alert abnormality to the user.	20	High	Aravinth S Ajay R Harees N K Jerosh C Daniel 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)

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