Project Planning Phase

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

Date	24th november 2022
Team ID	PNT2022TMID29330
Project Name	Gas Leakage monitoring & Alerting system for Industries
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	Data Preparation & Data Visualization	USN-1	As a user, I provide Safety to the customers.	5	High	Padmasree.I
Sprint-1		USN-2	As an Analyst, I collect the data & Provide meaningful insights through IBM Cloud	3	High	Keerthana.S
Sprint-2	Dashboard	USN-3	As a user, I want to make sure the safe environment.	3	High	Sivasankari. S
Sprint-2	Report	USN-4	As an Analyst, I will upload the data in IBM Cloud to createa interactive dashboard.	3	Medium	Subhasri.K
Sprint-3		USN-5	As a user, I want to secure the lives and data of each employee that report a particular event.	3	Medium	Padmasree.I

Sprint-3		USN-6	As an Analyst, I will use IBM Cloud to generate a report.	3	Medium	Keerthana.S
Sprint-4	Story	USN-7	As a user, I can only understand the Analysis in animated presentation of dataset	5	Medium	Sivasankari.S
Sprint-4		USN-8	As an Analyst, I use IBM to create an animated presentation (Story) of the dataset	3	High	Subhasri.K

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	5	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	5	15 Nov 2022

Velocity:

We have an 6-day sprint duration, and the velocity of the team is 4 (points per sprint). To calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{SPRINT DURATION}}{\text{VELOCITY}} = \frac{6}{4} = 1.5$$