

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID22891
Project Name	Gas leakage monitoring and alerting system for industry
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	Simulation Creation	USN-1	Ibm Watson account creating and node js application creating	2	High	Swetha. S Shalini. M
Sprint-1	Software	USN-2	Python idle 3.9.6 version download	2	High	Santhosh. M Yovan. K
Sprint-2	Software	USN-3	Develop code for gas leakage monitoring	2	Medium	Swetha. S Shalini. M
Sprint-2	Software	USN-4	Application creation in ibm Watson account	2	High	Santhosh. M Yovan. K
Sprint-3	Software	USN-5	Establishing Node-Red connection	2	Medium	Swetha. S Shalini. M
Sprint-3	Software	USN-6	Upload program to node js and seeing output in ibm Watson	2	High	Santhosh. M Yovan. K
Sprint-4	Testing	USN-7	Testing and developing web application	2	High	Swetha. S Shalini. M Santhosh. M Yovan. K

Project Tracker, Velocity & Burndown Chart: (4

Marks) Story Points – 8 points

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	16	5 Days	25 Oct 2022	29 Oct 2022		31 Oct 2022
Sprint-2	16	8 Days	31 Oct 2022	07 Nov 2022		08 Nov 2022
Sprint-3	16	6 Days	09 Nov 2022	13 Nov 2022		14 Nov 2022
Sprint-4	8	6 Days	15 Nov 2022	17 Nov 2022		17 Nov 2022 – 18 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)

Total Sprint Points = 56

Total Sprint = 4

Average Velocity = $56/4 = 14$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

