

## Project Planning Phase

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

Date	November 2022
Team ID	PNT2022TMD54064
Project Name	GAS LEAKAGE MONITORING
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Sankar Ganesh
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Ronaldson
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Medium	Chelva Sundar
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Aswin Muthuram
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	Low	Sankar Ganesh
	Dashboard					

**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	Oct 2022	20	Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		5 November
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		12 November
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		19 November

**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)

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

### **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 such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

### **Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>