Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID51954
Project Name	Project – Gas Leakage Monitoring and Alerting System
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 USN-2	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	4
Sprint-1		USN-4	As a user, I will receive confirmation email once I have registered for the application	1	High	3
Sprint-1	Login	USN-5	As a user, I can register for the application through email	2	Low	2
Sprint-2		USN-3	As a user, I can register for the application through Gmail	2	Medium	3
Sprint-2	Dashboard	USN-6	As a user, I can log into the application by entering email & password As a user, I can log in with my credentials to see my dashboard	1	High	4
Sprint-3	Customer Care Executive	USN-7	As a customer care person, I will respond to the customer's queries	1	High	4
Sprint-3	Working with data	USN-8	As an administrator, I can login to the application's server	2	Medium	3
Sprint-4	Managing the overall process	USN-9 USN-10 USN-11	As an administrator, I can ask and respond to the customer's questions As an administrator, I will be able to view the database As an administrator, I can control the overall process	2	High	4

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	20	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:

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