

Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID14800
Project Name	University Admit Eligibility Predictor
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 will be able to register my application by entering my email, password, and confirming my password.	2	High	Rishitha
Sprint-1		USN-2	As a user, I will be able to receive an email confirmation after registration.	1	High	Harichandana
Sprint-2		USN-3	As a user, I can register for the application through Gmail.	2	Low	Akshitha
Sprint-1		USN-4	As a user, I can register for the application by entering details by self.	2	Medium	Ushasree
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Deepika
	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	6 Oct 2022	11 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	12 Oct 2022	17 oct 2022	20	31 Oct 2022
Sprint-3	20	6 Days	18 oct 2022	23 oct 2022	20	05 Sept 2022
Sprint-4	20	6 Days	24 oct 2022	30 oct 2022	20	12 Sept 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)

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

Burndown Chart:

A burndown 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>

References:

<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>