

Project Planning Phase

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

Date	07 November 2022
Team ID	PNT2022TMID11646
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 can register for the application by entering my email, password, and confirming my password.	3	High	2
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	1
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	4	High	4
Sprint-2	Update Profile	USN-4	As a user, after logging in, I will have to update my profile by providing all the required details.	3	High	3
Sprint-3	Choose University	USN-5	As a user, I will be able to view the list of universities that the students are eligible to apply	1	High	1
Sprint-3	Choose Course	USN-6	As a user, I will be able to view the list of courses that the students are eligible to apply..	3	Medium	3
Sprint-4	Admission Process	USN-7	As a user, I will be able to view the details of Admission process like date and venue of certification verification.	4	Low	4
Sprint-1	Authentication	USN-8	As a admin, the login credential of the user is authenticated my me.	3	High	3
Sprint-2	Update Profile	USN-9	As a admin, I can verify the user entered details	2	High	2
Sprint-3	Prediction	USN-10	As a admin, I can test the trained ML model by analyzing the user details by ML algorithms like Logistic Regression	2	High	2
Sprint-4	Output	USN-11	As a admin, I can upload the confirmation of user for the prediction into the Database.	3	High	3

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	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

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>