

## Project Planning Phase

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

Team ID	PNT2022TMID28129
Project Name	Project - University Admit Eligibility Predictor

### Product Backlog, Sprint Schedule, and Estimation

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	Kavin , Kavishnavi
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Abinesh, Jeniffer
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Kavishnavi
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Kavin
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Abinesh Jeniffer
Sprint - 2	Dashboard , UpdateProfile	USN -6	As a user, after login, I will update my profile by providing all the required details	4	High	Kavin, Kavishnavi, Abinesh

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint- 3	Choose University	USN -7	As a user, I will be able to view the list of Universities that the students are eligible to apply	4	Medium	Kavin, Kavishnavi, Abinesh
Sprint -3	Choose Course	USN -8	As a user, I will be able to view the details of Admission process like date and venue of certification verification	2	Low	Abinesh Jeniffer
Sprint - 4	Admission Process	USN -9	As a user, I will be able to view the list of courses that the students are eligible to apply	3	High	Kavin, Kavishnavi, Abinesh
Sprint - 1	Authentication	USN-10	As a admin, the login credential of the user is authenticated my me	2	High	Kavishnavi, Jeniffer
Sprint - 2	Update Profile	USN -11	As a admin, I can verify the user Details which are entered by the user	4	High	Kavin, Kavishnavi, Abinesh
Sprint - 3	Prediction	USN -12	As a admin, I can test the trained machine learning model by analyzing the user details by machine learning Algorithms.	3	High	Jeniffer, Kavishnavi, Abinesh
Sprint -4	Output	USN - 13	As a admin, I can upload the confirmation of user for the prediction into the database.	3	High	Kavin, Kavishnavi, Abinesh

### Project Tracker, Velocity & Burndown Chart:

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>