

Project Planning Phase

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

Date	7 November 2022
Team ID	PNT2022TMID53121
Project Name	Project - Real-Time Communication System Powered by AI for Specially Abled
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-8	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Vaseekaran, Srivarsha
Sprint-1		USN-2 / USN-9	As a user, I will receive confirmation email once I have registered for the application	5	High	Srikanth, Vignesh
Sprint-2		USN-3 / USN-10	As a user, I can register for the application through Gmail	5	Medium	Srivarsha, Srikanth
Sprint-1	Login	USN-4 / USN-11 / USN-15	As a user, I can log into the application by entering email & password	10	High	Vaseekaran, Vignesh
Sprint-2	Dashboard	USN-5 / USN-12	As a user, I can view a menu to perform sign-language to speech conversion or vice versa	6	High	Vaseekaran, Srivarsha
Sprint-3		USN-16	As an administrator, I can view a log of the translations performed by all the users	10	High	Srikanth, Vignesh
Sprint-2		USN-17	As an administrator, I can view the list of users currently using the application	5	Medium	Srivarsha, Srikanth
Sprint-2	Image Upload	USN-6	I will be provided with an option to upload an image of the sign-language in jpeg / png format	5	High	Vaseekaran, Vignesh
Sprint-2	Text Entry	USN-13	I will be provided with a text box to type in the input	5	High	Vaseekaran, Vignesh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Translation	USN-7 / USN-14	I will be provided with a button to initiate the translation process	10	High	Srivarsha, Srikanth, Vaseekaran, Vignesh

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	5 Nov 2022	20	5 Nov 2022
Sprint-3	20	6 Days	7 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	18 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.