

Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID48841
Project Name	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	User interface	USN-1	As a user, open the web page by opening the html file.	2	High	Achutha Lakshmanan, Reshma subramani, Swetha Veluchamy, Shanmugapriya Mahalingam, Gowri dharshini Pandi
Sprint-1		USN-2	The home page will open.	1	High	Achutha Lakshmanan, Reshma subramani, Swetha Veluchamy, Shanmugapriya Mahalingam, Gowri dharshini Pandi
Sprint-2		USN-3	As a user, click on the introduction button.	2	Low	Achutha Lakshmanan, Reshma subramani, Swetha Veluchamy, Shanmugapriya Mahalingam, Gowri dharshini Pandi
Sprint-1		USN-4	As a user, click on the launch button.	2	Medium	Achutha Lakshmanan, Reshma subramani, Swetha Veluchamy, Shanmugapriya Mahalingam, Gowri dharshini Pandi
Sprint-1	Upload the image	USN-5	The camera will capture the hand sign language and audio will be recorded.	1	High	Achutha Lakshmanan, Reshma subramani, Swetha Veluchamy, Shanmugapriya Mahalingam, Gowri dharshini Pandi

	Produce the sign or text output	USN-6	The converted output produced.	2	High	Achutha Lakshmanan, Reshma subramani, Swetha Veluchamy, Shanmugapriya Mahalingam, Gowri dharshini Pandi
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Project Tracker, Velocity & Burn down 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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 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)

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

