

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

Date	22 October 2022
Team ID	PNT2022TMID23501
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Collecting Dataset	5	High	Khavya Amisha Aswini Sunaina
	Image preprocessing	USN-2	Perform preprocessing techniques on the dataset	5	High	Khavya Amisha Aswini Sunaina
Sprint-2	Model Building	USN-3	Model initialisation with required layers	5	High	Khavya Amisha Aswini Sunaina
	Training	USN-4	Training the image classification model using CNN	5	Medium	Khavya Amisha Aswini Sunaina
Sprint-3	Testing	USN-5	Testing the model's performance	10	High	Khavya Amisha Aswini Sunaina
Sprint-4	Application development	USN-6	Converting text to speech using google API	10	Medium	Khavya Amisha Aswini Sunaina

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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:

$$AV = \frac{\text{sprint duration}}{\text{velocity}}$$

$$\text{Average Velocity} = 6/10 = 0.6$$

Burndown Chart:

