

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID14967
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	Collect Dataset	2	High	Minish, Thillai Raj
Sprint-1		USN-2	Collect key points using Media Pipe Holistic	1	High	Aakash
Sprint-2	Build of Model	USN-3	Model Initialization with required layers	2	High	Harish,Minish, Ejass Mohammed
Sprint-2		USN-4	Train the model using LSTM from key points collected	2	Medium	Aakash, Thillai Raj
Sprint-3	Testing	USN-5	Test of the model performance	10	High	Ejass Mohammed, Harish, Thillai Raj
Sprint-4	Speech feature implementation	USN-6	Converting text to speech using Google API	10	Medium	Thillai Raj

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	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	6	19 Nov 2022

Velocity:

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

Average Velocity(AV)=6/10=0.6

Burndown Chart:

