

Project Planning Phase

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

Date	14 November 2022
Team ID	PNT2022TMID44336
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	Collection Of Data	USN-1	Dataset Collection	9	High	Shreekhaviyan A S
Sprint-1		USN-2	PreProcessing the Images	8	Medium	Harish V
Sprint-2	Model Building	USN-3	Adding the necessary layers	10	High	Hinthumethran K N
Sprint-2		USN-4	CNN image classification model training	7	High	Harish V
Sprint-3	Training & Testing model	USN-5	Testing the performance of the model	9	Low	Mohan S
Sprint-4	Application Building	USN-6	Input Sign Language is Converted Into English Alphabets	8	Medium	Mohan S
Sprint-4	Train CNN Model on IBM	USN-7	Train your model on IBM,Store your Model on IBM,Download the Stored model to the Local system	6	Low	Hinthumethran K N

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	20 Oct 2022	26 Oct 2022	10	26 Oct 2022
Sprint-2	10	6 Days	27 Oct 2022	2 Nov 2022	8	2 Nov 2022
Sprint-3	10	6 Days	3 Nov 2022	8 Nov 2022	9	8 Nov 2022
Sprint-4	10	6 Days	9 Nov 2022	14 Nov 2022	10	14 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)

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

$$AV = 6 / 10 = 0.6$$

Burndown Chart:

