

Project Planning Phase

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

Date	9 November 2022
Team ID	PNT2022TMID22164
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	Data Collection	USN-1	Collect Dataset.	8	Medium	VIDHYA V, SUBASHRI M
Sprint-1	Image Recognition	USN-2	Image preprocessing.	8	Medium	SHALINI M.Z, SUBASHRI M
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model.	10	High	SWETHA G.S
Sprint-2	Train the model	USN-4	Training the image classification model using CNN.	9	High	SHALINI M.Z , SUBASHRI M
Sprint-3	Training	USN-5	Training the model.	9	High	SHALINI M.Z, SWETHA G.S
Sprint-3	Testing	USN-6	Testing the model's performance.	10	High	SUBASHRI M, SWETHA G.S SHALINI M.Z
Sprint-4	Implementation of the application	USN-7	Converting the input sign language images into English alphabets.	9	Medium	SHALINI M.Z, SUBASHRI M
Sprint-4	Implementation of the speech processing	USN-8	Converting English alphabets into voice.	9	High	SWETHA G.S, SHALINI M.Z

Project Tracker, Velocity & Burndown Chart: (4 Marks)

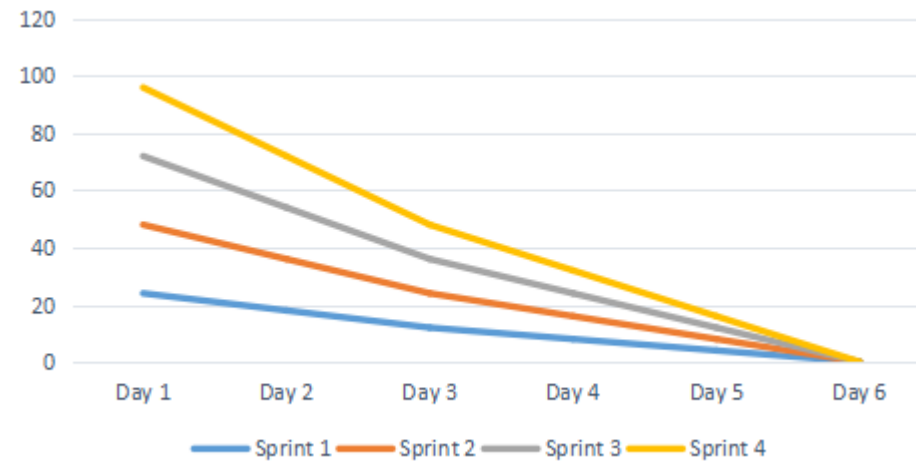
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	16	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	19	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	11 Nov 2022	19	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	18 Nov 2022	18	19 Nov 2022

Velocity:

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

$$AV = 6/10 = 0.6$$

Burndown chart:



SPRINT BURNDOWN CHART:

