

## Project Planning Phase

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

Date	11 November 2022
Team ID	PNT2022TMID22143
Project Name	Real Time Communication System Powered by AI for Specially Abled
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, and Estimation

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	High	Naveesh Kumar. D Manoj. K
Sprint-1	Image Recognition	USN-2	Image preprocessing.	8	High	Naveesh Kumar. D Manoj. K Murugesan. S
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model.	10	High	Naveesh Kumar. D
Sprint-2	Train the model	USN-4	Training the image classification model using CNN.	9	Medium	Manoj. K
Sprint-3	Training	USN-5	Training the model.	9	High	Naveesh Kumar. D
Sprint-3	Testing	USN-6	Testing the model's performance.	10	High	Murugesan. S Bharathraj. M
Sprint-4	Implementation of the application	USN-7	Converting the input sign language images into English alphabets.	9	Medium	Murugesan. S Bharathraj. M Naveesh Kumar. D Manoj. K
Sprint-4	Implementation of the text/speech processing	USN-8	Converting English alphabets into voice.	9	High	Naveesh Kumar. D Manoj. K

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

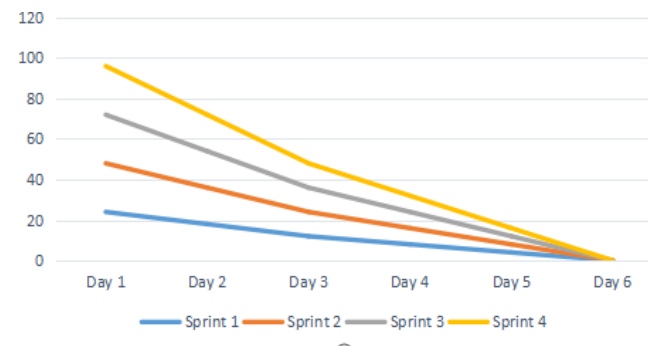
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	16	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	19	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022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

### Velocity:

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

$$AV = 6/10 = 0.6$$

### Burndown chart:



SPRINT BURNDOWN CHART:

