

## Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID06911
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/downloading dataset for pre-processing.	10	High	Binushya Prakash E Dhanuja A Aruna P Deepashree S
Sprint-2		USN-2	Data pre- processing formats the data and handles the missing data in the dataset.	10	Medium	Binushya Prakash E Dhanuja A Aruna P Deepashree S
Sprint-1	Model Building	USN-1	Splitting the data into training and testing data set from the entire dataset	10	High	Binushya Prakash E Dhanuja A Aruna P
Sprint-2		USN-2	Using cv2 and keras tested the sign language by capturing frame by frame	10	High	Binushya Prakash E Dhanuja A Aruna P Deepashree S
Sprint-3	Training and Testing	USN-1	Training the model and testing the performance of the model (accuracy rate)	20	High	Binushya Prakash E Dhanuja A Aruna P Deepashree S
Sprint-4	Implementation of Web page	USN-1	Implementing the web page for collecting the data from user	10	High	Binushya Prakash E Dhanuja A Aruna P Deepashree S
Sprint-4		USN-2	Deploying the model using IBM Cloud and IBM Watson Studio	10	Medium	Binushya Prakash E Dhanuja A Aruna P Deepashree S

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

#### Velocity:

Sprint 1 Average Velocity:

$$\text{Average Velocity} = 20/6 = 3.3$$

Sprint 2 Average Velocity:

$$\text{Average Velocity} = 20/6 = 3.3$$

Sprint 3 Average Velocity:

$$\text{Average Velocity} = 20/6 = 3.3$$

Sprint 4 Average Velocity:

$$\text{Average Velocity} = 20/6 = 3.3$$

#### Burndown Chart:

