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

Date	1 November 2022
Team ID	PNT2022TMID20440
Project Name	Project: Real – Time Communication System Powered by AI for Specially – Abled
Maximum Marks	4 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	Dataset Collection	USN – 1	Collect Dataset for building model	9	High	LAKSHANA S MAHALAKSHM A
Sprint – 1	Image Preprocessing	USN – 2	Perform pre-processing techniques on the dataset	8	Medium	LAKSHANA S MAHALAKSHM A POORNACHANDHRIKA M
Sprint – 2	Model Building	USN – 3	Import the required libraries, add the necessary layers and compile the model	10	High	MAHALAKSHMI A MEENATCHI SOUNDARI T PUNITHA M
Sprint – 2		USN – 4	Training the image classification model using CNN	7	Medium	MAHALAKSHMI A MEENATCHI SOUNDARI T PUNITHA M
Sprint – 3	Training and Testing the Model	USN – 5	Training the model and testing the model's performance	9	High	LAKSHANA S MEENATCHI SOUNDARI T PUNITHA M
Sprint – 4	Application Development	USN – 6	Converting the input gesture image into English Alphabets	8	Medium	LAKSHANA S POORNACHANDHRIKA M

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	17	6 Days	24 October, 2022	29 October, 2022	17	29 Oct 2022
Sprint – 2	17	6 Days	31 October, 2022	05 November, 2022	17	05 Nov 2022
Sprint – 3	9	6 Days	07 November, 2022	12 November, 2022	9	12 Nov 2022
Sprint – 4	5	6 Days	14 November, 2022	19 November, 2022	8	19 Nov 2022

Velocity:

$$\text{Average Velocity} = \frac{\text{Velocity}}{\text{Sprint Duration}}$$

- Average Velocity → AV
- Velocity → Points per sprint
- Sprint Duration → Number of days per sprint

1. Sprint – 1: AV = 17÷6 = 2.83
2. Sprint – 2: AV = 17÷6 = 2.83
3. Sprint – 3: AV = 9÷6 = 1.5
4. Sprint – 4: AV = 5÷6 = 0.83

BURNDOWN CHART