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

Domain	Artificial Intelligence
Team ID	PNT2022TMID33317
Project Name	Realtime Communication System Powered by AI for Specially Abled.
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation(4Marks)

Sprint	Functional Requirement(Epic)	User Story Number	User Story /Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Collect Dataset.	10	High	Dhiwicshen M Kalidoss M
Sprint-1		USN-2	Image preprocessing	10		Dhiwicshen M Gokul S
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model	10	Medium	Arunkumar R Gokul S
Sprint-2		USN-4	Training the image classification model using CNN	10		Arunkumar R Gokul S
Sprint-3	Training and Testing	USN-5	Training the model and testing the model's performance	10	High	Dhiwicshen M Gokul S

Sprint-4	Implementation of the application	USN-6	Converting the input sign language images into English alphabets	10	Medium	Arunkumar R Kalidoss M

Project Tracker, Velocity &Burn down Chart: (4Marks)

Sprint	Total StoryPoints	Duration	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as onPlannedEndDate)	Sprint Release Date(Actual)
Sprint-1	20	7Days	24Oct 2022	29Oct 2022	20	29Oct 2022
Sprint-2	15	6 Days	31Oct 2022	05Nov 2022	20	05Nov 2022
Sprint-3	20	6 Days	07Nov 2022	12Nov 2022	20	12Nov 2022
Sprint-4	20	6Days	14Nov 2022	19Nov 2022	20	19Nov 2022

Velocity:

Imaginewehavea10-daysprintduration,and the velocity of the team is 20(pointspersprint).

Sprint 1 average velocity:

Average velocity = 20 / 7= 2.6

Sprint2 average velocity:

Average velocity = 15 / 6 =2.3

Sprint 3 average velocity:

Average velocity = 20 / 6 = 3.2

Sprint 4 average velocity:

Average velocity= 20/6 = 3.2

Burn-downChart: