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

Date	18 October 2022
Team ID	PNT2022TMID52015
Project Name	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 list all the user stories for the product

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Gmail.	I can receive verification code and invitation	Medium	Sprint-1
Administrator	Login	USN-4	As a user, I can log into the application by entering email & password	I can login to my account	High	Sprint-1
Customer service	Training data (dashboard)	USN-5	Ask for the trained data to be added.	I am adding the trained data to get the image recognized.	High	Sprint-1
Customer	Object detection	USN-6	Detecting the object within 30 cm distance.	I can sense any objects that are at a distance of 30 cm.	High	Sprint-2
Customer	Location detection	USN-7	Detecting the location in the map.	I can set the destination to be reached.	High	Sprint-2
Customer service	Capture the image	USN-8	Captures the image and detects the image using image processing.	I can check for the image in trained data	High	Sprint-3
Customer service	Location fix	USN-9	The path will be fixed.	I can know the direction which will be given as voice output.	High	Sprint-4
Customer service	Person/Object fix	USN-10	The name of the person or the object is detected.	I can get a voice output if the name is registered in the trained data.	High	Sprint-4

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:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.