

## Project Planning Phase

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

Date	07 November 2022
Team ID	PNT2022TMID01280
Project Name	Project - Real-Time Communication System Powered By AI for Specially Abled People
Maximum Marks	8 Marks

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

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	Model building	USN-1	As a user, I am able to interact within the model effortlessly	5	High	2-Jessica judith, Pavithraa
Sprint-1	Dataset collection	USN-2	As a user,i am able to upload the image	5	High	2-Dymphna mary, Punitha
Sprint-1	Uploading the image	USN-3	As a user, I can assure that the images are uploaded correctly.	5	High	2-Jessica judith, Pavithraa

Sprint-1	Display the image	USN-4	As a user,i can view the image what i uploaded	5	High	2-Dymphna mary, Punitha
Sprint-2	Training the model	USN-1	Model trained to produce accuracy for prediction.	5	High	2-Dymphna mary, Jessica judith
Sprint-2	Upload the dataset for training	USN-2	As a user, I am able to get the result without delay	4	High	2-Pavithraa, Punitha
Sprint-2	Layers to predict the model	USN-3	As a user,I can use the model with ease to capture my gestures	5	High	2-Dymphna mary, Jessica judith
Sprint-2	Testing the model	USN-4	As a user, I can assure that there is accuracy in the predictions of the gestures.	6	High	2-Pavithraa, Punitha
Sprint-3	HTML page design navigation	USN-1	As a user, the website navigation is simple and user-friendly.	5	Low	2-Jessica judith, Pavithraa
Sprint-3	Buttons and features	USN-2	It contains options for prediction	7	Low	2-Dymphna mary, Punitha
Sprint-3	Additional content design	USN-3	It displays additional information on sign languages and other useful resources.	8	Low	2-Dymphna mary, Jessica judith
Sprint-4	Building Flask application	USN-1	As a user, I am able to interact with the application easily	5	Medium	2-Jessica Judith, Punitha
Sprint-4	Connecting Python in backend	USN-2	As a user, I can feel that the response time of the application is high	5	Medium	2-Pavithraa S,Dymphna Mary C

Sprint-4	Interface with the model	USN-3	As a user, I am able to upload the image easily	6	Medium	2- Jessica Judith, Punitha
Sprint-4	Test the flask application	USN-4	As a user, I am able to view the contents very clearly	4	Medium	2-Pavithraa S,Dymphna Mary C

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
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	10 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	15 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).

$$\text{AV} = \text{Sprint Duration} / \text{Velocity}$$

$$\text{AV} = 20 / 4$$

$$\text{AV} = 5$$