Sprint Delivery Plan

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

Project Name : Real Time Communication System Powered by AI for Specially Abled.

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Dataset is collected on the basis of various hand signs and curated according to the problem statement.	4	High	Nachiyar , Rakshini,Santhiya,Naveetha banu,Kaviya
Sprint-1	Data Preprocessing	USN-2	The dataset is preprocessed in order to check noisy data and other inconsistencies before executing it to the algorithm	6	Medium	Nachiyar,Rakshini,Santhiya,
Sprint-2	Model Building	USN-3	Model is built according to the image features in such a way that the model identifies the features of the sign image and learns in order to give correct output.	8	High	Nachiyar,Rakshini,Santhiya,Naveetha banu,Kaviya
Sprint-3	Model Training	USN-4	Data is fed into the model and the model is trained in order to find the optimal weights that give help in predicting the correct output.	8	Medium	Santhiya,Naveetha banu,Kaviya

Sprint-3	Training and Testing	USN-5	Model is tested in such a way that the collection data or images are trained frame by frame according to the user requirements.	6	High	Nachiyar,Rakshini,
Sprint-4	Implementation of the application	USN-6	Converting the input sign language images into English alphabets	8	Medium	Nachiyar,Rakshini,Santhiya,Naveetha banu,Kaviya

Project Tracker, Velocity & Burndown Chart:

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 suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time.