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

Date	18 October 2022
Team ID	PNT2022TMID27699
Project Name	Real - Time Communication System Powered by AI for Specially Abled
Maximum Marks	8 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	Data Collection	USN-1	Assemble a dataset.	9	High	Suraj K Zaffer Ahmed H M Shadrach Gideon S P
Sprint-1	Image Processing	USN-2	Pre-processing of images.	8	High	Zaffer Ahmed H.M. Surya Moorthy K
Sprint-2	Model building	USN-3	Add the necessary layers, import the necessary libraries, and compile the mode.	10	Medium	Surya Moorthy K Suraj K Zaffer Ahmed H M
Sprint-2	Train CNN model	USN-4	Using CNN, train the image classification model	7	Medium	Suraj K Zaffer Ahmed H M
Sprint-3	Training and Testing model	USN-5	Training the model and evaluating its output	9	High	Surya Moorthy K Shadrach Gideon S P
Sprint-4	Application Building	USN-6	Converting the sign language input photos of the English alphabet	7	Medium	Suraj K Surya Moorthy K

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	28 Oct 2022	01 Nov 2022	8	02 Nov 2022
Sprint-2	20	6 Days	01 Nov 2022	06 Nov 2022	7	07 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	6	13 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	8	18 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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/ https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts