Project Planning Phase

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

Date	24 October 2022
Team ID	PNT2022TMID29664
Project Name	Real time Communication System Powered by AI for Specially Abled
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 and preprocessing	USN-1	Collection of Dataset. Split dataset into training and testing dataset.	8	High	Hemamalini S Akram S
Sprint-1		USN-2	Image preprocessing.	10	High	Hemamalini S Akram S
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model	5	Medium	Hemakumar A Harinesh M K
Sprint-2	Training and Testing	USN-4	Import the required libraries, add the necessary layers and compile.	10	High	Akram S

Sprint-2		USN-5	Training the model and testing the model's performance	7	High	Hemamalini S
Sprint-3	Implementation of the application	USN-6	Converting the input sign language images into English alphabets	10	High	Hemamalini S Hemakumar A
Sprint-3		USN-7	Converting live feed hand sign shown through camera to alphabets	10	High	Hemamalini S Harinesh M K
Sprint-4	Application building	USN-8	Building the web application through which user gives live input (video feeding) and getting output.	10	High	Hemakumar A
Sprint-4	Registration and login	USN-9	User registration and login page creation.	10	Medium	Harinesh M 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	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:

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

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.