Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID07674
Project Name	Project - 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 create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Dataset has to be collected	20	High	1. G.Vinotha rubala 2. A.Santhiya 3. S.Bala abirami 4. K.Pavithra 5. M.Pavithra
Sprint-1	Image Preprocessing	USN-2	Collected images has to be preprocessed	18	Medium	1. G.Vinotha rubala 2. A.Santhiya 3. S.Bala abirami 4. K.Pavithra 5. M.Pavithra
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model	20	High	1. G.Vinotha rubala 2. A.Santhiya 3. S.Bala abirami 4. K.Pavithra 5. M.Pavithra
Sprint-2	Model Building	USN-4	Training the image classification model using CNN	8	Medium	1. G.Vinotha rubala 2. A.Santhiya 3. S.Bala abirami 4. K.Pavithra 5. M.Pavithra

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Training & Testing	USN-5	Training the model and testing the model's performance	18	High	1. G.Vinotha rubala 2. A.Santhiya 3. S.Bala abirami 4. K.Pavithra 5. M.Pavithra
Sprint-4	Implementation of the application	USN-6	Converting the input sign language images into English alphabets	8	High	1. G.Vinotha rubala 2. A.Santhiya 3. S.Bala abirami 4. K.Pavithra 5. M.Pavithra

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	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.