Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID10881
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	Assemble a dataset.	9	High	V.Gowshil Narmadha R.Aishwarya
Sprint-1		USN-2	Preprocessing of images.	7	High	V.Bhagavathi Sree G.Kayal Vizhi
Sprint-2	Model Building	USN-3	Add the necessary layers, import the necessary libraries, and compile the mode.	8	Medium	R.Aishwarya V.Bhagavathi Sree
Sprint-2		USN-4	Using CNN, train the image classification model	7	Medium	V.Gowshil Narmadha V.Bhagavathi Sree
Sprint-3	Training and Testing	USN-5	Training the model and evaluating its output	10	High	G.Kayal Vizhi V.Bhagavathi Sree
Sprint-4	Implementation of the application	USN-6	Converting the sign language input photos of the English alphabet	8	Medium	V.Bhagavathi Sree

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						R.Aishwarya

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	8	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	5	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	7	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	5	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