

Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID47570
Project Name	Real -Time Communication System Powered By AI
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	Collect Data set	2	High	M.A KAVIYAHSHRI A.ANITHA
Sprint-1		USN-2	Image preprocessing	4	Medium	R.ISHWARYA A.ANITHA M.A KAVIYAHSHRI
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model	2	Medium	R.ISHWARYA A.ANITHA M.A KAVIYAHSHRI
Sprint-2		USN-4	Training the image classification model using C	4	Medium	R.ISHWARYA A.ANITHA M.A KAVIYAHSHRI T.THASLIN HASSENA

Sprint-3	Training and Testing	USN-5	Training the model and testing the model's performance	4	Medium	R.ISHWARYA A. ANITHA M.A KAVIYAHSHRI T.THASLIN HASSENA
Sprint-4	Implementation Of the application	USN-6	Converting the input sign language images into English alphabet	5	Medium	R.ISHWARYA T.THASLIN HASSENA

Project Tracker, Velocity & Burn down 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	6	6 Days	24 Oct 2022	29 Oct 2022		29 Oct2022
Sprint-2	12	12 Days	31 Nov 2022	11 Nov 2022		11 Nov 2022
Sprint-3	3	3 Days	13 Nov 2022	15 Nov 2022		15 Nov 2022
Sprint-4	4	4 Days	17 Nov 2022	20 Nov 2022		20 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)

$$AV = \frac{\text{Sprint delivery}}{\text{Duration}}$$

$$AV = 6/10 = 0.6$$

Burn down 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.

