

Project Planning Phase

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

Team ID	PNT2022TMID33196
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)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data collection	USN-1	Collection of required data, login information from user	2	Low	GAJENDRAN
Sprint-1		USN-2	Image pre-processing	3	High	HARIHARAN
Sprint-2	Model building	USN-3	Import the required libraries, add the necessary layers, and compile the model	2	Low	DOMINIC VISHAL
Sprint-2		USN-4	Training the image classification model using CNN	3	High	BALAJI
Sprint-3	Training and testing	USN-5	Training the model and testing the model's performance	3	High	GAJENDRAN
Sprint-3		USN-6	Converting the input sign language images into English alphabets and save model for deployment	2	Low	DHEENU GOWTHAM
Sprint-4	Implementation and dashboard	USN-7	As a user, I can acknowledge the output of the system by ensuring messages are displayed.	2	Low	BALAJI
Sprint-4		USN-8	As a user, I can get and give feedback about the system from its output.	3	High	HARIHARAN

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	05	6 Days	24 Oct 2022	29 Oct 2022	05	05 Nov 2022
Sprint-2	05	6 Days	31 Oct 2022	05 Nov 2022	05	08 Nov 2022
Sprint-3	05	6 Days	07 Nov 2022	12 Nov 2022	05	12 Nov 2022
Sprint-4	05	6 Days	14 Nov 2022	19 Nov 2022	05	19 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}}$$

$$AV = 5/10 = 0.5$$

Burndown and velocity chart in 'jira insights' :

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Backlog

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Epic ▾

Epic

Issues without epic

> Data collection

Model building

Training and testing

Implementation and dashboard

+ Create Epic

RCA Sprint 1 4 Nov – 11 Nov (2 issues)

050Comp

Registration, inputs and data collection

RCA-1 Collection of required data, l... DATA COLLECTION 2 IN PROGRESS

RCA-2 Image pre-processing DATA COLLECTION 3 IN PROGRESS

+ Create issue

RCA Sprint 2 4 Nov – 9 Nov (2 issues)

500Comp

To do build model and data processing

RCA-3 Import the required libraries, add th... MODEL BUILDING 2 TO DO

RCA-7 Training the image classification mo... MODEL BUILDING 3 TO DO

+ Create issue

Insights RCA Sprint 1

Sprint commitment

5 points

Target isn't set yet

No average

The points from completed sprints are added up to find your average

Issue type breakdown

The issue type Story is the top focus for this sprint.

Story

Give feedback