

Project Planning Phase

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

Date	04th November 2023
Team ID	Team - 591979
Project Name	ASL - Alphabet Image Recognition
Maximum Marks	8 Marks
Team members	Pujyam Sathvika, Rishika Krishna Ch

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	Projet setup and infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the ASL project .	1	High	Rishika, Sathvika

Sprint-1	Data collection	USN-2	Gather a diverse and large dataset of images containing all the different classes of alphabets(A, B, C, D,, Z), space, nothing, delete.	2	High	Rishika, Sathvika
Sprint-2	Data Preprocessing	USN-3	Preprocess the collected images by resizing and normalizing. Split the data into training and testing sets.	3	High	Sathvika
Sprint-2	Model Development	USN - 4	Explore different deep learning architectures to select the most suitable one(CNN) for our ASL project.	4	High	Rishika
Sprint - 2	Training	USN-5	As a customer, I want a well trained model and very accurate predictions for the images I upload. Task: Implement data augmentation techniques to improve model's accuracy.	4	Medium	Sathvika, Rishika
Sprint - 3	Integrate the ASL recognition system into applications and services.	USN - 6	As a developer, I want the ASL recognition system to offer an API or web browser for easy accessibility.	6	Medium	Sathvika, Rishika
Sprint - 3	Develop a web-based user interface for the ASL recognition system that provides users with a simple way to interact with the system.	USN - 7	As a customer, I want to access the ASL recognition system through a user-friendly web interface, so I can easily interact with the system without the need to install additional software	6	High	Sathvika, Rishika

Project Tracker:

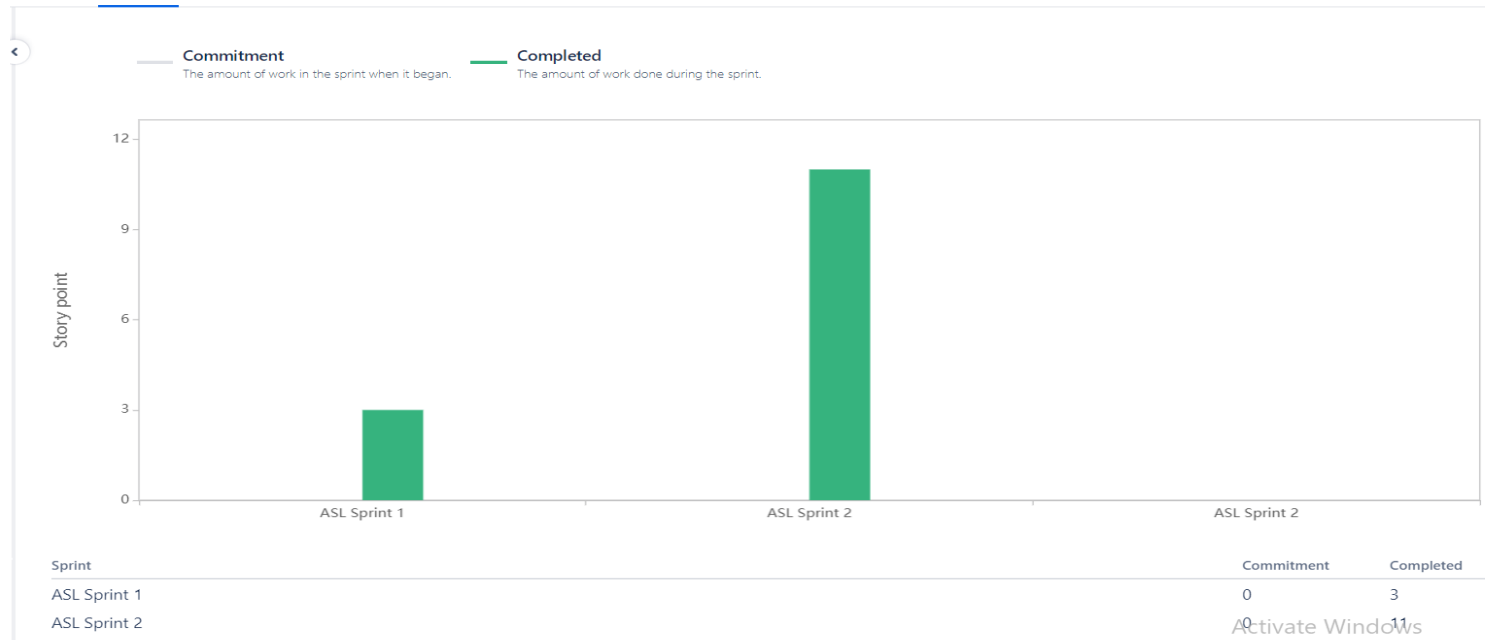
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	3	3 Days	25 Oct 2023	27 Oct 2023	3	27 Oct 2022
Sprint-2	11	5 Days	28 Oct 2023	01 Nov 2023	11	01 Nov 2023
Sprint-3	12	5 Days	02 Nov 2023	06 Nov 2023		

Velocity:

Average velocity = Total number of points / Total number of days = $26 / 13 = 2$

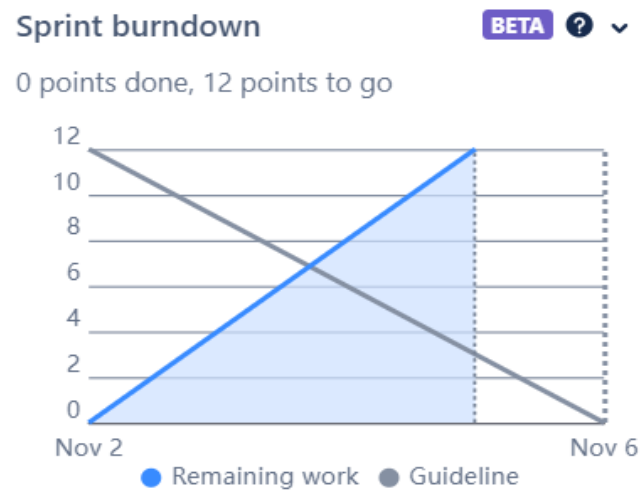
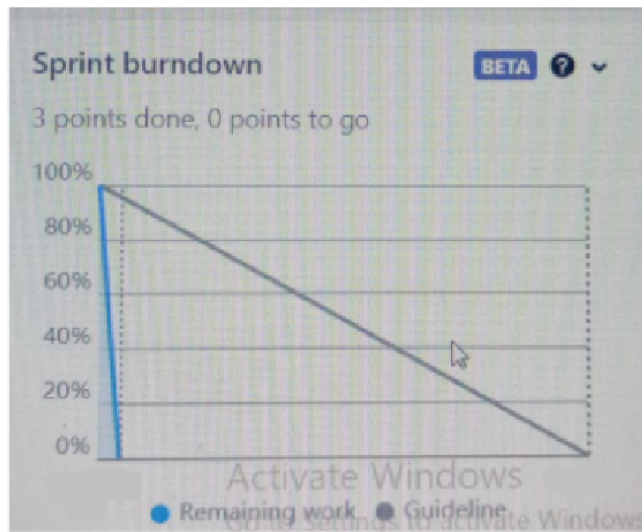
Average sprint velocity = Total number of points / Total number of sprints = $26 / 3 = 9$ (approx)

Velocity Report:



Activate Windows

Burndown Chart:



Timeline section:

Projects / ASL


Timeline

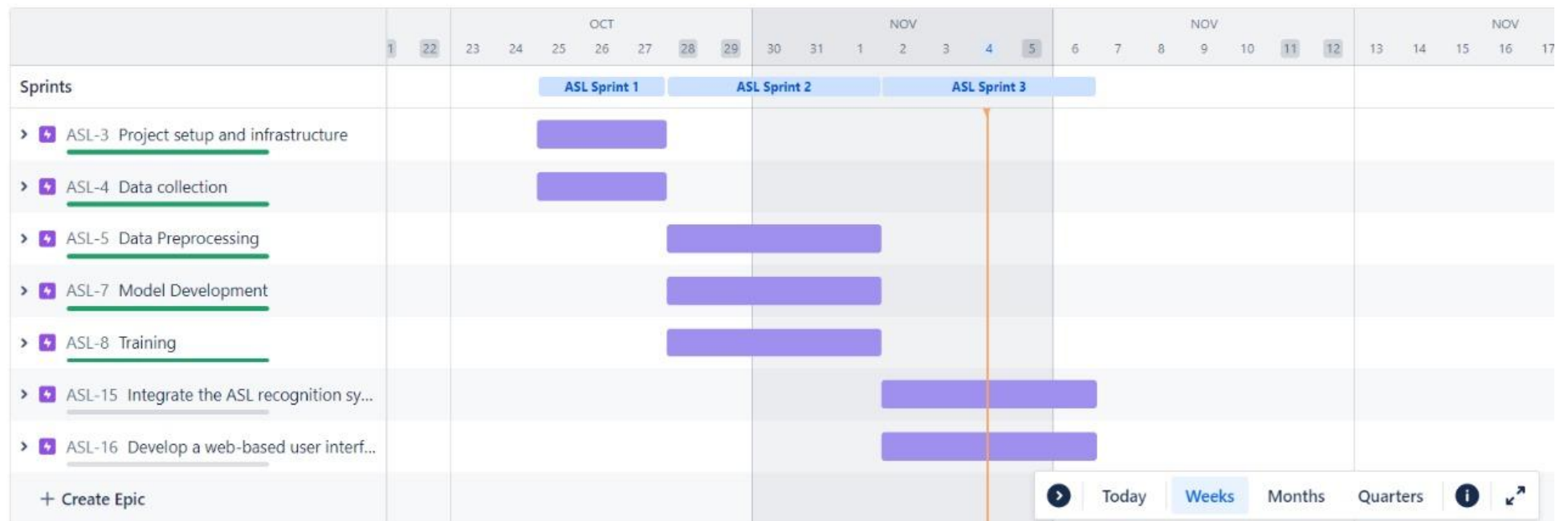
 Give feedback  Share  Export ...



Status category ▾

Epic ▾

 View settings



Backlog section:

Projects / ASL

Backlog

RC

Epic

Import work

Insights

View settings

ASL Sprint 125 Oct – 27 Oct (2 issues)

003

Complete sprint

ASL Sprint 228 Oct – 1 Nov (3 issues)

0011

Complete sprint

ASL Sprint 32 Nov – 6 Nov (2 issues)

1200

Complete sprint

Backlog (0 issues)

000

Create sprint

Your backlog is empty.

+ Create issue

Projects / ASL

Backlog

RC

Epic

Import work

Insights

View settings

ASL Sprint 125 Oct – 27 Oct (2 issues)

003

Complete sprint

Project setup and data collection

ASL-6Project setup and infrastructure

PROJECT SETUP AND I...

DONE

1

ASL-9Data collection

DATA COLLECTION

DONE

2

+ Create issue

ASL Sprint 228 Oct – 1 Nov (3 issues)

0011

Complete sprint

Data preprocessing and model development

ASL-10Data preprocessing

DATA PREPROCESSING

DONE

3

ASL-11Model development

MODEL DEVELOPMENT

DONE

4

ASL-12Training

TRAINING

DONE

4

+ Create issue

Board section:

Projects / ASL

All sprints

RC

Epic ▾

Sprint ▾

GROUP BY

Nor

TO DO 2

Integrate ASL recognition

INTEGRATE THE ASL RECOGNITION SYSTE...

ASL-17 6

Develop website

DEVELOP A WEB-BASED USER INTERFACE...

ASL-18 6

IN PROGRESS

DONE 5 ✓

Project setup and infrastructure

PROJECT SETUP AND INFRASTRUCTURE

ASL-6 ✓ 1

Data collection

DATA COLLECTION

ASL-9 ✓ 2

Data preprocessing

DATA PREPROCESSING

ASL-10 ✓ 3

Model development

MODEL DEVELOPMENT