

## Project Planning Phase

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

Date	21 November 2023
Team ID	Team-592184
Project Name	ASL-Alphabet Image Recognition
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	Project setup & Infrastructure	USN-1	Set up the development environment with therequired tools and frameworks to start the alphabet image recognition system	1	High	Sunith, Basera
Sprint-1	Development environment	USN-2	Gather a diverse dataset of images containing different types of ASL images(alphabet images) for training thedeep learning model.	2	High	Sunith, Vanshika

Sprint-2	Data collection	USN-3	Preprocess the collected dataset by resizing images, normalizing pixel values, and splitting it into training and validation sets.	2	Medium	Vanshika
Sprint-2	Data preprocessing	USN-4	Explore and evaluate different deep learning architectures to select the most suitable model for the alphabet image recognition system..	3	High	Sunith, Vanshika
Sprint-3	Model Development	USL-5	Train the selected deep learning model using the preprocessed dataset and monitor its performance on the validation set.	4	High	Sunith, Basera
Sprint-3	Training	USL-6	Implement data augmentation techniques (e.g., rotation, flipping) to improve the model's robustness and accuracy.	6	Medium	Sunith
Sprint-4	Model deployment & Integration	USL-7	Deploy the trained deep learning model as a API or web service to make it accessible for alphabet image recognition, integrate the model's API into a user-friendly web interface for users to upload images and receive garbage classification results.	1	Medium	Vanshika, Basera

Sprint-5	Testing & quality assurance	USL-8	Conduct thorough testing of the model and webinterface to identify and report any issues or bugs. fine-tune the model hyperparameters and optimize its performance based on userfeedback and testing results.	1	Medium	Basera
Sprint-6	Re-designing the model	USL-9	Re-designing the web application and userinterface according to user feedbacks,	2	High	Vanshika, Sunith
Sprint-6	Re-deploying the model	USL-10	Re-deploying the new web interface and testing it with different scenarios	1	High	Sunith, Basera

### 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	3	8 Days	2 Nov 2023	9 Nov 2023	3	9 Nov 2023
Sprint-2	5	3 Days	7 Nov 2023	9 Nov 2023	5	9 Nov 2023
Sprint-3	10	3 Days	7 Nov 2023	9 Nov 2023	10	9 Nov 2023
Sprint-4	1	8 days	8 Nov 2023	15 Nov 2023	1	15 Nov 2023
Sprint-5	1	2 days	9 Nov 2023	10 Nov 2023	1	10 Nov 2023
Sprint-6	3	4 days	10 Nov 2023	13 Nov 2023	3	13 Nov 2023

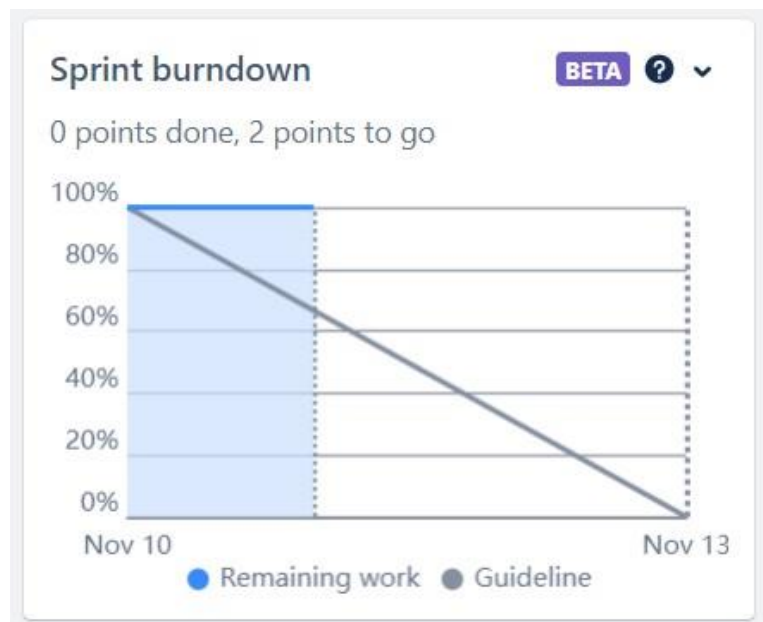
### Velocity:

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)

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

$$AV = 23 / 23 = 1$$

### Burndown Chart:



Board Section:

Projects / ASL-AlphabetImageRecognitionSystem

ASL Sprint 6

Re-designing the web application and user interface according to user feedbacks

   0 days remaining 

Complete sprint 




Epic 

GROUP BY

None 

 Import work

 Insights


 View settings


TO DO


IN PROGRESS 1

Re-designing the web application and user interface according to user feedbacks

REDESIGNING THE MODEL

 ASL-18 

2 

DONE 



## Backlog Section:

Projects / ASL-AlphabetImageRecognitionSystem

### Backlog

 Epic ▾

Import work Insights View settings

Epic ×

Issues without epic

> Project setup & Infrastructure

> Development environment

> Data collection

> Data preprocessing

> Model development

> Model training

+ Create epic

▼ ASL Sprint 6 10 Nov – 13 Nov (2 issues)

Re-designing the web application and user interface according to user feedbacks

ASL-18 Re-designing the web application and user interface according to user f... REDESIGNING... IN PROGRESS ▾ 2

ASL-19 Re-deploying the model and testing it with different real-life images an... REDEPLOYING... TO DO ▾ 1

+ Create issue

▼ Backlog (0 issues)

0 0 0 Create sprint

Your backlog is empty.

+ Create issue

# Timeline:

Projects / ASL-AlphabetImageRecognitionSystem

## Timeline

Give feedback Share Export ...

Status category ▾

Epic ▾

View settings

