

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID592632
Project Name	Project – Alphabet Image Recognition ASL
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	Project setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the Alphabet Image Recognition Project.	3	High	Sukanya
Sprint-1	Data Collection	USN-2	Collect a diverse dataset of alphabet images for training the image recognition model.	3	High	Sukanya
Sprint-1	Data Preprocessing	USN-3	Preprocess the collected dataset by resizing images, normalizing pixel values, and splitting it into training and validation sets.	2	High	Sukanya
Sprint-2	Model Selection	USN-4	Explore and evaluate different deep learning architectures for alphabet image recognition (e.g., CNNs) to select the most suitable model.	3	High	Dheekshith
Sprint-2	Model Development	USN-5	Develop the selected deep learning model using the Develop the selected deep learning model using the preprocessed dataset for alphabet image recognition.	3	Medium	Dheekshith
Sprint-3	Training	USN-6	Train the developed model using the training dataset and monitor its performance on the validation set.	2	High	Veronika
Sprint-3	Evaluation & Fine-Tuning	USN-7	Evaluate the model's performance, fine-tune		Medium	Veronika

			hyperparameters, and optimize the model for better accuracy.	2		
Sprint-4	Model Deployment & Integration	USN-8	Deploy the trained model as an API or service for alphabet image recognition. Integrate the model into a user-friendly interface for users to upload images and receive classification results.	3	High	Ganesh
Sprint-5	Testing & Quality Assurance	USN-9	Conduct thorough testing of the model and user interface, identify and address any issues or bugs, and optimize the model based on feedback.	3	Medium	Ganesh

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	9	6 Days	18 Oct 2023	24 Oct 2023	9	24 Oct 2023
Sprint-2	6	4 Days	24 Oct 2023	28 Oct 2023	5	28 Oct 2023
Sprint-3	4	3 Days	28 Oct 2023	01 Nov 2023	3	01 Nov 2023
Sprint-4	3	2 Days	01 Nov 2023	03 Nov 2023	2	03 Nov 2023
Sprint-5	3	6 Days	03 Nov 2023	09 Nov 2023	2	09 Nov 2023

Velocity:

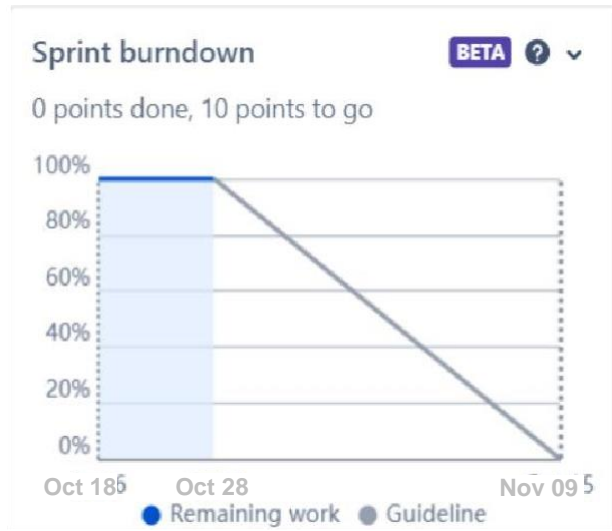
Average Velocity = Total Story Points Completed / Total Duration of Sprints

Total Story Points Completed = $9+5+3+2+2 = 21$

Total Duration of Sprints = $6+4+3+2+6 = 21$

Average Velocity = $21 / 21 = 1.00$

Burndown Chart:



Board Selection:

All sprints



Complete sprint



Epic ▾

Sprint ▾

GROUP BY

None ▾



Import work



Insights



View settings

TO DO 2

Deploy the trained model as an API or service for alphabet image recognition. Integrate the model into a user-friendly interface for users to upload images and receive classification results.

MODEL DEPLOYMENT & INTEGRATION

ASL-17

3



Conduct thorough testing of the model and user interface, identify and address any issues or bugs, and optimize the model based on feedback.

TESTING & QUALITY ASSURANCE

ASL-19

3



IN PROGRESS 3

Develop the selected deep learning model using the preprocessed dataset for alphabet image recognition.

MODEL DEVELOPMENT

ASL-12

3



Train the developed model using the training dataset and monitor its performance on the validation set.

EVALUATION & FINE-TUNING

ASL-15

2



Train the developed model using the training dataset and monitor its performance on the validation set.

TRAINING

DONE 4 ✓

As a user, Set up the development environment with the required tools and frameworks to start the Alphabet Image Recognition Project.

PROJECT SETUP AND INFRASTRUCTURE

ASL-2

✓

3



As a user, Collect a diverse dataset of alphabet images for training the image recognition model.

DATA COLLECTION

ASL-5

✓

3



Explore and evaluate different deep learning architectures for alphabet image recognition (e.g., CNNs) to select the most


TO DO 2

Identify and address any issues or bugs, and optimize the model based on feedback.

TESTING & QUALITY ASSURANCE

ASL-19 3 

IN PROGRESS 3

ASL-15 2 

Train the developed model using the training dataset and monitor its performance on the validation set.

TRAINING

ASL-13 2 

DONE 4 ✓

DATA COLLECTION

ASL-5 ✓ 3 

Explore and evaluate different deep learning architectures for alphabet image recognition (e.g., CNNs) to select the most suitable model.

MODEL SELECTION

ASL-9 ✓ 3 

As a user, Preprocess the collected dataset by resizing images, normalizing pixel values, and splitting it into training and validation sets.

DATA PREPROCESSING

ASL-7 ✓ 2 

Backlog Selection

Projects / ASL

Backlog



Epic ▾

Import work

Insights

View settings

Epic



Issues without epic

> Project Setup and Infrastructure

> Data Collection

> Data Preprocessing

> Model Selection

> Model Development

> Training

+ Create epic

ASL Sprint 1 18 Oct – 20 Oct (1 issue)

0 0 3

Complete sprint



Project Setup and Infrastructure

ASL-2 As a user, Set up the development environment wit...

PROJECT SET...

DONE ▾

3



+ Create issue

ASL Sprint 2 20 Oct – 22 Oct (1 issue)

0 0 3

Complete sprint



Data Collection

ASL-5 As a user, Collect a diverse dataset of alphabet ima...

DATA COLLEC...

DONE ▾

3



+ Create issue

ASL Sprint 3 22 Oct – 24 Oct (1 issue)

0 0 2

Complete sprint



Data Preprocessing

ASL-7 As a user, Preprocess the collected dataset by resizi...

DATA PREPRO...

DONE ▾

2



+ Create issue

Backlog



Epic ▾

Import work

Insights

View settings

Epic ×

Issues without epic

> Project Setup and Infrastructure

> Data Collection

> Data Preprocessing

> Model Selection

> Model Development

> Training

+ Create epic

ASL Sprint 4 24 Oct – 26 Oct (1 issue)

0 0 3 Complete sprint ⋮

Model Selection

ASL-9 Explore and evaluate different deep learning architectur... MODEL SELEC... DONE ▾ 3

+ Create issue

ASL Sprint 5 26 Oct – 28 Oct (1 issue)

0 3 0 Complete sprint ⋮

Model Development

ASL-12 Develop the selected deep learning model using the pr... MODEL DEVE... IN PROGRESS ▾ 3

+ Create issue

ASL Sprint 6 28 Oct – 30 Oct (1 issue)

0 2 0 Complete sprint ⋮

Training

ASL-13 Train the developed model using the training dataset a... TRAINING IN PROGRESS ▾ 2

+ Create issue

Backlog



Epic ▾

Import work

Insights

View settings

Epic



> Data Preprocessing

> Model Selection

> Model Development

> Training

> Evaluation & Fine-Tuning

> Model Deployment & Integration

> Testing & Quality Assurance

+ Create epic

▼ ASL Sprint 7 30 Oct – 1 Nov (1 issue)

0 **2** 0

Complete sprint



Evaluation & Fine-Tuning

ASL-15 Train the developed model using the training dataset a...

EVALUATION ...

IN PROGRESS ▾

2



+ Create issue

▼ ASL Sprint 8 1 Nov – 3 Nov (1 issue)

3 **0** 0

Complete sprint



Model Deployment & Integration

ASL-17 Deploy the trained model as an API or service for alpha...

MODEL DEPL...

TO DO ▾

3



+ Create issue

▼ ASL Sprint 9 3 Nov – 9 Nov (1 issue)

3 **0** 0

Complete sprint



Testing & Quality Assurance

ASL-19 Conduct thorough testing of the model and user interf...

TESTING & Q...

TO DO ▾

3



+ Create issue

TIME LINE

[Projects / ASL](#)

Timeline

 Give feedback

 Share

Export ...



Status category ▾

Epic ▾

