

Project Planning Phase

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

Date	10 November 2023
Team ID	Team-591769
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 the required tools and frameworks to start the alphabet image recognition system	1	High	Srivatsa, Harish
Sprint-1	Development environment	USN-2	Gather a diverse dataset of images containing different types of ASL images(alphabet images) for training the deep learning model.	2	High	Srivatsa, Dheeraj

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	Harish, Naeem
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	Naeem, Harish
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	Dheeraj
Sprint-3	Training	USL-6	Implement data augmentation techniques (e.g., rotation, flipping) to improve the model's robustness and accuracy.	6	Medium	Srivatsa
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	Dheeraj, Harish
Sprint-5	Testing & quality assurance	USL-8	Conduct thorough testing of the model and web interface to identify and report any issues or bugs. fine-tune the model hyperparameters and	1	Medium	Srivatsa, Naeem

			optimize its performance based on user feedback and testing results.			
Sprint-6	Re-designing the model	USL-9	Re-designing the web application and user interface according to user feedbacks,	2	High	Harish, Dheeraj
Sprint-6	Re-deploying the model	USL-10	Re-deploying the new web interface and testing it with different scenarios	1	High	Srivatsa, Naeem

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

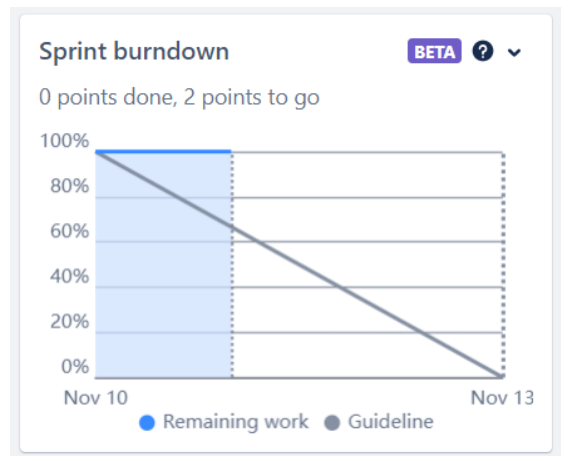
Velocity:

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

DONE

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

REDESIGNING THE MODEL

ASL-18

2

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 610 Nov – 13 Nov (2 issues)

120Complete sprint

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 PROGRESS2

ASL-19 Re-deploying the model and testing it with different real-life images an...REDEPLOYING...TO DO1

+ Create issue

Backlog (0 issues)

000Create sprint

Your backlog is empty.

+ Create issue

Timeline:-

Projects / ASL-AlphabetImageRecognitionSystem

Timeline

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Team

Status category

Epic

View settings

