

## Project Planning Phase

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

Date	2 November 2023
Team ID	Team-593160
Project Name	Lip Reading Using Deep Learning
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	User Interface	USN-1	As a user with hearing difficulties or network issues, I want a user friendly interface for real-time video to text transcription	3	High	Aastha Anushka Anoushka
Sprint-2	Data Collection and	USN-2	As a data engineer, I want to gather a	5	High	Aastha

	Preprocessing		diverse, accurate dataset of video clips from various sources and store it efficiently			Anushka Anoushka
Sprint-2		USN-3	As a data scientist, I want to clean the data using various preprocessing pipelines for audio and video data, and make sure it is ready for model development.	4	High	Aastha Anushka Anoushka
Sprint-3	Model Development	USN-4	As a machine learning engineer, I want to build a lip-reading model using a CNN-base architecture, applying a deep learning approach.	8	High	Aastha Anushka Anoushka
Sprint-3		USN-5	As a machine learning engineer I want to train the diverse dataset using my created model.	7	High	Aastha Anushka Anoushka
Sprint-4	Model Development	USN-6	As a machine learning engineer, I want to use an RNN-based architecture to develop a speech recognition module.	8	High	Aastha Anushka Anoushka
		USN-7	As a machine learning engineer, I want to train the speech recognition model on a diverse dataset.	7	High	Aastha Anushka Anoushka

Sprint-5	Real Time Processing and Privacy	USN-8	As a software developer, I want to implement the fusion of lip-reading and speech recognition outputs for real-time processing.	6	High	Aastha Anushka Anoushka
Sprint-5		USN-9	As a security expert, I want to ensure compliance with data protection laws and implement encryption and security measures.	7	High	Aastha Anushka Anoushka

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	3	1 Day	25 Oct 2023	26 Oct 2023	3	26 Oct 2023
Sprint-2	9	1 Day	28 Oct 2023	29 Oct 2023	9	30 Oct 2023
Sprint-3	15	2 Days	30 Oct 2023	1 Nov 2023	15	2 Nov 2023

Sprint-4	15	3 Days	1 Nov 2023	3 Nov 2023	15	4 Nov 2023
Sprint-5	13	2 Days	3 Nov 2023	5 Nov 2023	13	5 Nov 2023

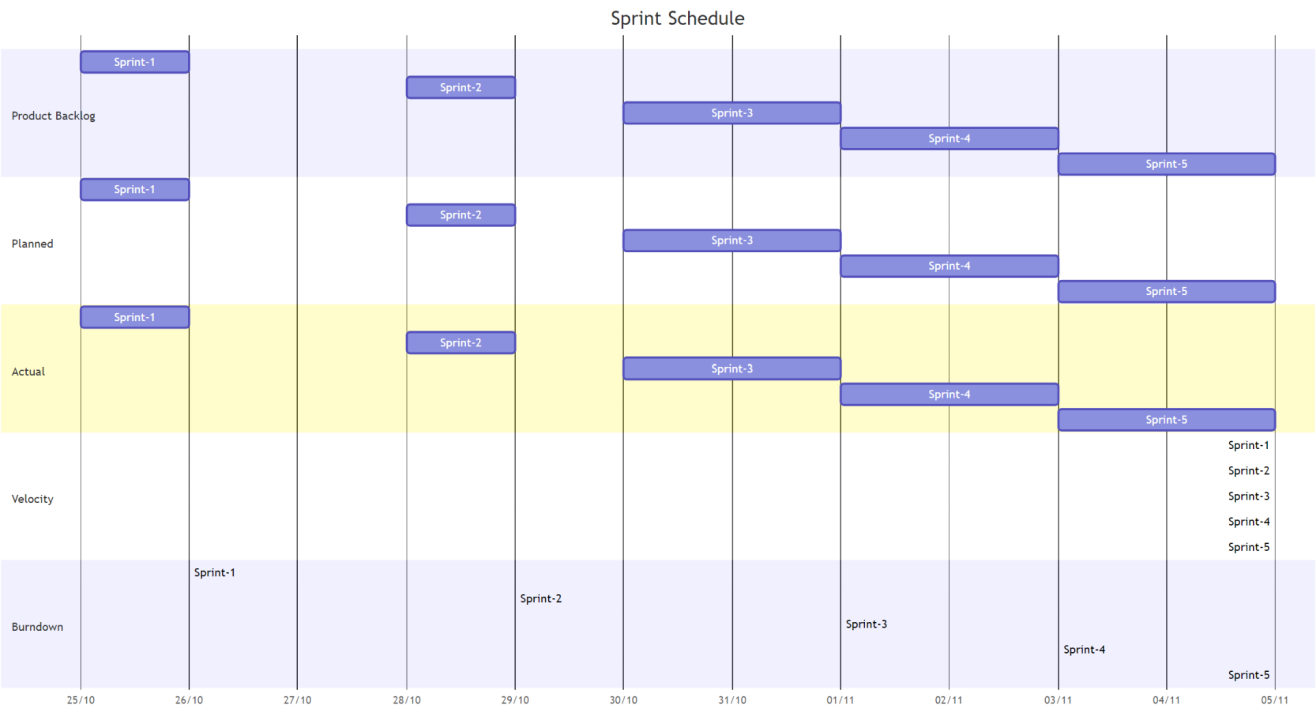
### Velocity:

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)

$$\mathbf{AV = sprint\ duration / velocity = 10.5 / 6 = 1.75}$$

**Burndown Chart:**

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



JIRA BOARD:

Projects / ML PROJECT

All sprints

⚡ ☆ ↗

Complete sprint

⋮

🔍

👤 👤+

Sprint 5

Clear filters

GROUP BY

None

🔄

📊 Insights

⚙️

TO DO 4 OF 4

USN-6

MP-11

👤

USN-7

MP-12

👤

USN-8

MP-13

👤

USN-9

MP-14

👤

IN PROGRESS 3 OF 3

USN-3

MP-8

👤

USN-4

MP-9

👤

USN-5

MP-10

👤

DONE 2 OF 2

USN-1

MP-5

✓

👤

USN-2

MP-7

✓

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+

💡 Quickstart

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