

## Project Planning Phase

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

Date	20 November 2023
Team ID	Team - 591977
Project Name	Lip Reading using Deep Learning
Maximum Marks	20 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	Registration	USN-1	As a user, I can create an account with a username and password.	2	High	Isha
Sprint-1		USN-2	As a user, I will receive a confirmation email once I have created my account.	2	High	Samarth
Sprint-2		USN-3	As a user, I can create my account through other social accounts.	1	Low	Nishika
Sprint-1		USN-4	As a user, I can register for the application through Gmail.	1	Medium	Ashish
Sprint-1	Login	USN-5	As a user, I can log into the application by entering my email and password.	3	High	Nishika
Sprint-2	Dashboard	USN-6	As a user, I want to upload a video with clear lip movements for analysis.	4	High	Samarth
Sprint-2		USN-7	As a user, I want to see the transcribed text from lip movement analysis.	4	High	Isha
Sprint-2		USN-8	As a user, I should be able to choose a specific video from my uploaded videos for lip reading.	2	Medium	Ashish
Sprint-3		USN-9	As a user, I should be able to access previously generated lip-reading results for a specific video.	2	Medium	Samarth

Sprint-5		USN-10	As a user, I should be able to download or share the lip-reading results in various formats (text, subtitles, etc.).	1	Low	Isha
Sprint-2		USN-11	As a user, I should be able to use a webcam to perform real-time lip reading on live conversations.	4	High	Nishika
Sprint-3		USN-12	As a user, I should be able to control the speed of video playback for more accurate lip-reading results.	2	Medium	Samarth
Sprint-4		USN-13	As a user, I should be able to request a re-analysis of a previously uploaded video if the initial results were inaccurate.	1	Low	Isha
Sprint-4		USN-14	As a user, I should be able to integrate the lip-reading system with other applications through an API.	3	High	Samarth
Sprint-8		USN-15	As a user, I should be able to see the confidence score or accuracy rating for the lip-reading results.	2	Medium	Ashish
Sprint-1		USN-16	As a user, I should be able to update my user profile information, including email, password, and profile picture.	2	Medium	Nishika
Sprint-5		USN-17	As a user, I should be able to access a knowledge base, FAQs, or contact customer support for assistance.	2	Medium	Ashish
Sprint-6	User Management	USN-18	As an administrator, I should be able to add user accounts.	3	High	Samarth
Sprint-6		USN-19	As an administrator, I should be able to suspend or delete user accounts.	3	High	Nishika
Sprint-6	System Maintenance	USN-20	As an administrator, I should be able to perform routine maintenance tasks to ensure the system's reliability and performance.	3	High	Isha

Sprint-5	Monitor usage	USN-21	As an administrator, I should be able to Track system usage and generate usage reports for analysis.	2	High	Ashish
Sprint-7	Manage content	USN-22	As an administrator, I should be able to remove inappropriate or copyright-violating content uploaded by users.	2	High	Nishika
Sprint-3	API Documentation	USN-23	As a developer, I should be able to access comprehensive documentation for the lip-reading system's API.	4	High	Samarth
Sprint-7	Integration Support	USN-24	As a developer, I should be able to receive technical support for integrating the lip-reading system with external applications.	3	High	Isha
Sprint-7	Access Training Data	USN-25	As a developer, I should be able to utilize a labeled dataset for training and fine-tuning the deep-learning model.	4	High	Samarth
Sprint-8	Model Update	USN-26	As a developer, I should be able to update the deep learning model periodically to improve accuracy and adapt to new languages or accents.	2	Medium	Ashish

**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	10	2 Days	30 Oct 2023	31 Oct 2023	10	31 Oct 2023
Sprint-2	15	4 Days	1 Nov 2023	4 Nov 2023	15	4 Nov 2023
Sprint-3	8	4 Days	5 Nov 2023	8 Nov 2023	8	8 Nov 2023
Sprint-4	4	3 Days	9 Nov 2023	11 Nov 2023	4	11 Nov 2023
Sprint-5	5	3 Days	12 Nov 2023	14 Nov 2023	5	14 Nov 2023
Sprint-6	9	2 Days	15 Nov 2023	16 Nov 2023	9	16 Nov 2023
Sprint-7	9	3 Days	17 Nov 2023	19 Nov 2023	9	19 Nov 2023
Sprint-8	4	2 Days	20 Nov 2023	21 Nov 2023		

**Velocity:**

Imagine we have a 29-days 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

We have a 23-days sprint duration, and velocity of team is 8.

$$AV = 23/8 = 2.875$$

### **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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>  
<https://www.atlassian.com/agile/tutorials/burndown-charts>

### **Reference:**

<https://www.atlassian.com/agile/project-management>  
<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>  
<https://www.atlassian.com/agile/tutorials/epics>  
<https://www.atlassian.com/agile/tutorials/sprints>  
<https://www.atlassian.com/agile/project-management/estimation>  
<https://www.atlassian.com/agile/tutorials/burndown-charts>

## Burndown Chart:

### Sprint burndown



0 points done, 4 points to go





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Backlog

AS

Epic ▾

Sprint 8 20 Nov – 21 Nov (2 issues) 2 2 0 Complete sprint

LRUD-27 As a user, I should be able to see the confidence ... IN PROGRESS 2 AS

LRUD-38 As a developer, I should be able to update the d... TO DO 2 AS

+ Create issue

Backlog (0 issues) 0 0 0 Create sprint

Your backlog is empty.

+ Create issue



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		NOV	DEC
Sprints		Sp... Sp...	
> <div>LRUD-10</div> Manage content			
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> <div>LRUD-12</div> Integration Support			
> <div>LRUD-13</div> Access Training Data			
> <div>LRUD-14</div> Model update			
<div>+ Create Epic</div>			

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Today

Weeks

Months

Quarters

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