



## **Project Initialization and Planning Phase**

Date	19 June 2025	
Team ID	SWTID1750316859	
Project Name	ASL- Alphabet image Recognition	
Maximum Marks	3 Marks	

## **Define Problem Statements:**

ASL-Alphabet Image Recognition aims to develop a robust system capable of recognizing and interpreting American Sign Language (ASL) alphabet signs from static images. The primary goal is to bridge the communication gap between the deaf and hard-of-hearing community and individuals who are unfamiliar with sign language. This system can significantly improve accessibility in various domains including education, professional settings, and everyday social interactions.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a student who wants to learn sign language	learn the ASL alphabet efficiently	I struggle with memori zing hand signs	there aren't enough interactive tools	frustrated and unmotivated
PS-2	a person trying to communicate with a deaf friend	understand what they are signing	I don't know ASL and can't interpre t hand gestures	I never learned sign language	helpless and disconnected