Project Design Phase-I
Proposed Solution Template

Date	2 November 2023
Team ID	Team-591551
Project Name	ASL- Alphabet Image Recognition
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	"The challenge lies in providing universally accessible and effective communication solutions for the deaf community, encompassing sign language interpretation, real-time transcription, and inclusive communication in diverse settings."
2.	Idea / Solution description	American Sign Language (ASL) The American Sign Language (ASL) is the primary language used by deaf individuals in North America. It is a visual language that uses a combination of hand gestures, facial expressions, and body movements to convey meaning. In recent years, there has been an increasing interest in developing technologies to help bridge the communication gap between the deaf and hearing communities. One such technology is ASL Alphabet Image Recognition, which is an image classification task that aims to recognize the ASL alphabet from images of hand signs.
3.	Novelty / Uniqueness	Using VGG16 for efficiency saving in areas of machine learning that require high amounts of resources such as image categorisation or natural language processing. This Web App improves: Cultural Sensitivity Inclusivity Impact on Quality of Life
4.	Social Impact / Customer Satisfaction	The idea promotes positive social change by breaking down communication barriers and improving the overall well-being of deaf individuals, contributing to a more equitable and compassionate society.

5.	Business Model (Revenue Model)	We offer a flexible service and use add sense for revenue that ensures continuous support, customization, and updates, empowering your organization to create accessible and inclusive communication solutions tailored to your specific needs.
6.	Scalability of the Solution	our solution can seamlessly integrate into various industries and applications, ensuring long-term scalability and relevance, while delivering consistent and efficient communication support to a broader user base.