

Project Design Phase-I
Proposed Solution Template

Date	14 November 2023
Team ID	PNT2023TMID591725
Project Name	Project – Lip Reading using Deep Learning
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 objective of this project is to develop an end-to-end machine learning solution to detect words from a video of a person speaking.
2.	Idea / Solution description	Implementing a machine learning model that is able to detect words from a video with proper efficiency.
3.	Novelty / Uniqueness	Our novelty is that we have implemented latest algorithms to increase the accuracy of the model.
4.	Social Impact / Customer Satisfaction	With an efficient lip-reading model, the users can better understand the detected words and can be very helpful to people who cannot hear.
5.	Business Model (Revenue Model)	Develop a lipreading application for individuals with hearing impairments and business applications. Generate revenue through subscriptions and enterprise licensing. Focus on continuous research, strategic partnerships, and cost-effective marketing to enhance technology and expand the user base.
6.	Scalability of the Solution	Using efficient machine learning algorithms and optimized methodologies can ensure that the model can handle large datasets with reasonable computational resources.