

Project Design Phase-I
Proposed Solution Template

Date	24 september 2022
Team ID	
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology Images
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)	We need to extract the hand gesture from the image first and then checkout for the movement of the hand. The problem is so simple that it can be divided into below steps. 1) Read frame from image and extract region. 2) Draw pointer on the top of hand region and draw the pointer on canvas along with the pixels.
2.	Idea / Solution description	We plan to design a system to solve the above problem using image processing techniques and controlling the images using hand gestures.
3.	Novelty / Uniqueness	These gestures help us visualize the words and also help gain the listener's attention.
4.	Social Impact / Customer Satisfaction	These gestures help us visualize the words and also help in increasing meaning. While speaking, making hand gestures helps you speak more quickly and efficiently.

5.	Business Model (Revenue Model)	If the hand is detected,the hand gesture model is activated to predict key points and track the position and attitude of the hand.
6.	Scalability of the Solution	The goal of the project is to train a Machine learning algorithm capable of classifying images of different hand gesture,such as a fist,palm,showing the thumb and others.