

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID53623
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)	A solution for sterile browsing of radiology images by using a contact free method.
2.	Idea / Solution description	An application that can detect hand gestures using a camera and execute the appropriate action for browsing images by using a machine learning model which has been pre trained for different for hand gestures showing numbers with fingers such as 1,2,3,4, thereby providing a contact free experience for the user.
3.	Novelty / Uniqueness	There are similar solutions in the internet.
4.	Social Impact / Customer Satisfaction	This solution can help the medical professionals by decreasing the amount of contact surfaces which can spread diseases in a hospital environment. It would also provide a comfortable experience for the customer by being user-friendly to operate.
5.	Business Model (Revenue Model)	We can sell this application as a whole or setup a server which customers can use and setup a subscription system for the API keys for using the server providing 2 opportunities for revenue at different levels. We can also use this application to reduce labour.
6.	Scalability of the Solution	In the case of a server, we can upgrade the server to handle more requests at a time which ensures scalability from the server side. In the case of an application, we can configure the application to handle inputs from multiple cameras at a time making it more dynamic.