

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID53060
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To design an artificial intelligence tool to recognise and classify hand gestures for sterile browsing of radiology images.
2.	Idea / Solution description	A deep learning model shall be trained on images of hand gestures. The model will be deployed on the cloud for real-time classification.
3.	Novelty / Uniqueness	An end-to-end web application for hand gesture recognition shall be developed. The system shall allow users with limited technical knowledge to use the system with ease. The model shall be able to detect six different types of hand gestures. It shall display the inference in an understandable way to the user.
4.	Social Impact / Customer Satisfaction	The system is aimed at helping doctors and medical staff interact with radiology images in a non-intrusive manner. It helps prevent infections and disease.
5.	Business Model (Revenue Model)	The system can be sold to clients in two ways. It can either be used as a standalone application or on a monthly/yearly subscription basis.
6.	Scalability of the Solution	The system can be used for analyzing other medical images in a non-intrusive manner viz. X-Ray, MRI. It can also be refactored for use in the AR/VR domain.