

Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID00221
Project Name	A GESTURE-BASED TOOL FOR STERILE BROWSING OF RADIOLOGY IMAGES
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To develop a solution for avoiding the spread of infection by touching the keyboard, mouse etc., while browsing the radiology images.
2.	Idea / Solution description	Usage of hand gestures to avoid contact with devices and to control the Images.
3.	Novelty / Uniqueness	It can avoid non-verbal communication so that doctors can fully concentrate on surgery. Ability to provide sterile browsing tool.
4.	Social Impact / Customer Satisfaction	It helps the doctors and patients from infection. It avoid direct contact between the doctors and radiology images to maintain sterility and to improve patient's health.
5.	Business Model (Revenue Model)	This software model can be employed in hospitals and health care units easily and it is cost effective.
6.	Scalability of the Solution	Accuracy in predicting hand gesture because model is trained with lot of image data sets. Real time responses are possible.