Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID42641
Project Name	Project – 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)	A solution for sterile browsing of radiology images by using a Touchless interface model.
2.	Idea / Solution description	An application that can detect hand gestures using depth camera and perform appropriate action for browsing radiology images by using machine learning, thereby providing a Touchless interface Model.
3.	Novelty / Uniqueness	There are similar solutions in the internet. Eg: Microsoft Gestsure.
4.	Social Impact / Customer Satisfaction	This solution can help society by decreasing theamount of touch interactions which can spread diseases in a hospital environment. It would also provide a comfortable experience for the customer as it is user-friendly to operate.
5.	Business Model (Revenue Model)	We can sell this application as a whole or setupa server which customers can use and setup a subscription system for the API keys for using the server providing both opportunities forrevenue at different levels.
6.	Scalability of the Solution	In the case of a server we can upgrade the server to handle more requests at a time whichensures scalability from the server side. In the case of an application , we can enhance this application in 3D to provide a clear cut vision of the human body.