Project Design Phase-I
Proposed Solution Template

Date	29 September 2022
Team Members	Giridharan R Sriram S Surya S Thejiv Krishna A
Project Name	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 the 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, thereby providing a contact free experience.
3.	Novelty / Uniqueness	There are similar solutions in the internet.
4.	Social Impact / Customer Satisfaction	This solution can help society by decreasing the amount of touch 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.
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.