Project Design Phase-I
Proposed Solution Template

Date	21 Oct 2022
Team ID	PNT2022TMID07081
Project Name	A Gesture-based Tool for Sterile browsing of Radiology images

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	At present Doctors are interacting with system via hands which will be infection via germs during the operation in ICU(. thus we are going to the contactless navigation of radiology images for treatment using ML model to identify the hand gestures in medical field as an alternative to the existing interface techniques by offering maximum level of sterility.
2.	Idea / Solution description	Doctor can make use of hand gesture to move or control the images in order to maintain sterility.
3.	Novelty / Uniqueness	In this method, unlike other methods of non-verbal communication, gesture do not cause loss of concentration in operation theatre. It performs better in detecting pattern in images
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 user by being user-friendly to operate.
5.	Business Model (Revenue Model)	i) Cost efficient to deploy this Software for health care department as well as in hospitals and can collaborate with government for health awareness camp..and faster response time. ii) A hand based gesture recognition can detect any type of gesture given as input with pre defined dataset.
6.	Scalability of the Solution	Better execution in accurate results, sensitivity, system architecture design and transperancy and flexibility of the software.