

## Project Design Phase-I Proposed Solution Template

Date	23 september 2022
Team ID	PNT2022TMID28899
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)	Providing doctors with effective, intuitive, accurate, and safe ways of contact without compromising the quality of their job is a significant problem. However, doctors in intensive care units (ICU) frequently transfer illnesses by using computer keyboards and mice. In order to provide the highest level of sterility, the medical profession as an alternative to the current interface techniques.
2.	Idea / Solution description	In order to ensure sterility, the doctor can move or manipulate the images using hand gestures.
3.	Novelty / Uniqueness	Unlike other non-verbal communication methods, gestures in the operating room do not impair concentration. It works better at spotting patterns in pictures.

<b>4.</b>	Social Impact / Customer Satisfaction	By enhancing patient care and enabling experts to regulate images without coming into direct contact with the system, it supports social responsibility by preventing the spread of diseases and hazardous radiation.
<b>5.</b>	Business Model (Revenue Model)	Cost efficient to deploy this Software for healthcare department as well as in hospitals and can collaborate with government for health awareness camps.
<b>6.</b>	Scalability of the Solution	Better execution in accurate results, sensitivity, system architecture design and transparency and flexibility of the software.