Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID28589
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)	A major challenge involved is to provide Doctors with efficient, intuitive, accurate and safe means of interaction without affecting the quality of their work. However,the use of computer keyboards and mouse by doctors in intensive care unit(ICU) is a common mean for spreading infections.We suggest the use of 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 pattem in images.
4.	Social Impact / Customer Satisfaction	It co-operates social responsibility by providing better solution to patient's health and it also helps professionals to have the control over images without having direct contact with system which avoids the harmful rays and infections.
5.	Business Model (Revenue Model)	Cost efficient to deploy this Software for health care department as well as in hospitals and can collaborate with government for health awareness camps.
6.	Scalability of the Solution	Better execution in accurate results, sensitivity, system architecture design and transperancy and flexibility of the software.