Project Design Phase-I
Proposed Solution Template

Date	19 Oct 2022
Team ID	PNT2022TMID36359
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 solution for sterile browsing of radiology images by using a contact free method. To operate Gesture based Desktop automation This model uses the integrated webcam to capture the video frame. The image of the gesture captured in the video frame is compared with the Pre-trained model and the gesture is identified. If the gesture predictes is 1 then images is blurred;2, image is resized;3,image is rotated etc.
2.	Idea / Solution description	Doctors can work easily my using gestures and operates the operations easily while doing.
3.	Novelty / Uniqueness	In this method unlike other methods of nonverbal 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.