

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID15330
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 proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To separate objects of interest in images is difficult
2.	Idea / Solution description	In this project Gesture based Desktop automation ,First the model is trained pre trained on the images of different hand gestures, such as a showing number with fingers as 1 ,2,3,4 . 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 predicts is 1 then images is blurred;2, image is resized;3,image is rotated etc.
3.	Novelty / Uniqueness	Fighting the lag and combination of movements can be understood by this tool
4.	Social Impact / Customer Satisfaction	Easy accessibility, navigation, and manipulation of images
5.	Business Model (Revenue Model)	Hospitals can save a lot of money by using this tool instead paying wages for the staff to do this work.
6.	Scalability of the Solution	Accurate reprocessing, inventory management of surgical instruments, logistics, automatic prioritization of aseptic production. These are key components for the to complete its operational plan and ensure a return on investment