

Project Design Phase-I
Proposed Solution Template

Date	23/09/2022
Team ID	PNT2022TMID52777
Project Name	Project – 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 replicate sterile browsing skill in computers using image capture technology and classification techniques
2.	Idea / Solution description	A video based hand gesture capture and recognition system used to manipulate MRI within a graphical user interface
3.	Novelty / Uniqueness	By tracking the navigation and other gestures and translate to commands based on the temporal trajectories through video capture
4.	Social Impact / Customer Satisfaction	Doctors can analyse the image by having non verbal communication
5.	Business Model (Revenue Model)	The business model of this system extracts intension and attention cues from the surgeon's behaviour. Hence, it is useful for the doctors and surgeons from any domain or region all over the world
6.	Scalability of the Solution	By adding few more gestures for manipulating the MRI images which are most essential for sterile browsing by doctors