

Project Design Phase-I
Proposed Solution Template

Date	30 September 2022
Team ID	PNT2022TMID10905
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)	<ul style="list-style-type: none"> In order a computer to recognize a sign language (gesture) and perform the operation that are predefined for the specific gesture
2.	Idea / Solution description	<ul style="list-style-type: none"> For common operation simple gestures are predefined. The user can customise the gestures according to his wish. The user can create new gesture apart from the predefined gestures for new operations.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> Resolves the problem of buying hardware components except camera like keyboard, mouse etc... Camera can predict the gesture action both in bright and dim background. Require less usage of battery.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> Orally challenged persons can use gestures to perform operations like normal person uses personal assistant(virtual) Surgeons in operation theatre can use devices using gestures without physical contact
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> Orally challenged persons find devices with gesture-based tool more useful for them Kids and youngsters can be attracted by using gesture-based tools.

		<ul style="list-style-type: none"> • By using gesture-based tools in public places like shopping mall, theatre can attract more customers.
6.	Scalability of the Solution	<ul style="list-style-type: none"> • Demand for devices with gesture-based tools for orally challenged persons is more. • Devices with gesture-based tools are highly in demand in places where hygiene plays a major role like hospital, infant care centres etc... • Devices with gesture-based tools will be more attractive among youngsters.