

Project Design Phase-I Problem – Solution Fit

Date	19 September 2022
Team ID	PNT2022TMID22258
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology Images
Maximum Marks	2 Marks

Problem – Solution Fit :

Project Title: A Gesture-based Tool for Sterile Browsing of Radiology Images

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Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Medical professional can have a optimized manipulation of the Radiology Images of the patients using the hand gestures	6. CUSTOMER CONSTRAINTS CC Insufficient technical knowledge to access the gesture based tools	5. AVAILABLE SOLUTIONS AS Surgeon need to handle the patients reports and computes to have a clear view of the radiology images that may spread infection. So. to avoid we use hand gesture recognition technology for the ease of surgeons.	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS J&P Uncomplicated way of navigation and Handling reports of the patient	9. PROBLEM ROOT CAUSE RC -> Medical professionals need to access the report and computer using their hand while performing the surgery -> More time is spent in researching the radiology images of the patient during the operations	7. BEHAVIOUR BE -> Proper and clear instruction and guidance are given to the customer -> Technical team will resolve the problem faced by the customer.	
Identify strong TR & EM	3. TRIGGERS TR Reliable prediction and very much time saving while performing a surgery	10. YOUR SOLUTION SL Maintain hygiene throughout the surgery performed by the medical professionals The system will discover and perform the operation related to the hand gestures	8. CHANNELS of BEHAVIOUR CH ONLINE : Cloud storage can be used to store radiology images OFFLINE : Accessing it offline is also made possible by different channels.	Identify strong TR & EM
	4. EMOTIONS: BEFORE / AFTER EM BEFORE : Unsanitary, depression and very much time-consuming AFTER : Hygienic, delightful and Beneficial			