

Project Design Phase-I - Solution Fit

A Gesture-based Tool for Sterile Browsing of Radiology Images

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TEAM ID : PNT2022TMID07081

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS <p>This tool is generally used by Hospital domain especially used by doctors.</p> <p>- At first, the users might face some kind of difficulties to use the software.</p>	6. CUSTOMER CONSTRAINTS CC <p>i) The user should avoid the breakdown of power.</p> <p>ii) The user should maintain a stable connection and give full internet access to run the software smoothly.</p>	5. AVAILABLE SOLUTIONS AS <p>At early stage, The doctors use a sheet to print the patient's description.</p> <p>Now, The Doctors use their hands to access the computer to zoom, scroll, rotate etc of radiology images by touching keyboard, mouse and screen physically</p>	Explore AS, differentiate
	2. JOBS-TO-BE-DONE/PROBLEMS J&P <p>i) The User must understand the algorithms.</p> <p>ii) Then, they must know how to use the software properly without any disturbance.</p>	9. PROBLEM ROOT CAUSE RC <p>i) The User need to use their hands to deal with the software.</p> <p>ii) They think that these technologies are expensive right now. So, that's why some kind of delay occurs at the operation theatre.</p>	7. BEHAVIOUR BE <p>i) If user faces any issues in the designed software, then they will contact our technical team.</p> <p>ii) Then the technical team will resolve the issues which are faced by the user.</p>	Focus on J&P, tap into BE, understand RC
Identify strong TR & EM	3. TRIGGERS TR <p>If the operation is done and successfully completed by using this project in an hospital, that makes other hospital to use.</p>	10. YOUR SOLUTION SL <p>i) Create an application to upload the images which needs in operation room .By this less data is consume and secures the information of the radiology images.</p> <p>ii) OpenCV is used to recognize the hand gestures that is used by the doctors.</p>	8. CHANNELS of BEHAVIOUR CH <p>Online: To upload the radiology images in the created Application.</p> <p>Offline: Stores the result of the radiology images.</p>	Extract online & offline CH of BE
	4. EMOTIONS: BEFORE / AFTER EM <p>Before : Spreading of infection.</p> <p>After : Faster response, avoid spreading of infection.</p>			