Project Design Phase-I - Solution Fit

Project Title: A Gesture-based Tool for Sterile Browsing of Radiology Image TemplateTeam ID: PNT2022TMID04639

Explore AS, differentiate 1. CUSTOMER SEGMENT(S) CC 6. CUSTOMER CONSTRAINTS 5. AVAILABLE SOLUTIONS CS • Anxiety - customer began to get anxious when • Those who wants to surf on internet for both CS, •To have the Proper and regular Internet they still no idea about what they have found. Specially Abled person and common person. connection to stay connect to surf. •People wants to communicate with "Hand • Available devices – Customers are required to fit into •By searching in books, e-books, online signs". have the necessary devices. websites etc... •Common People wants to control "IOT •Network Connection – It is necessary to have • To know the English alphabet hand signs devices through hand signs". the network connection. to surf • Who wants to control the "Screens with Hand Gestures". Focus on J&P, tap into BE 2. JOBS-TO-BE-DONE / PROBLEMS J&P 9. PROBLEM ROOT CAUSE RC 7. BEHAVIOUR BE •Unaware of the object. • Giving the necessary information for • New to environment. •For Specially Abled person it makes them too particular thing which needs for customer. •Technology to capture the images. difficult to communicate with computer. •To make the computer to understand hand •To advance the life with hand gesture by •Technique of classification must be signs controlling the cars, IOTs, screens etc... appropriate. •Computers cannot understand the human hand signs. SL СН TR 3. TRIGGERS 10. YOUR SOLUTION 8. CHANNELS of BEHAVIOUR 8.1 ONLINE The following approaches are used to built an efficient • They want to advance their lifestyle • Online websites • Easy to use (user friendly interface) "Web Application" that recognize the hand gestures: • Social media platforms Can be used in many sectors • IBM Watson Assistant - To build the web application as user interface. EΜ 8.2 OFFLINE 4. EMOTIONS: BEFORE / AFTER • Flask - Web Application Framework. Before: • Customer throw words Convolutional Neural Network (CNN) - To • Confident – They feel confident about the software without knowing the basic English alphabetic hand finding patterns in images to recognize objects, signs. faces, and scenes. After: It makes them to use this software with full efficient