

Project Design Phase-I Problem – Solution Fit Template

| | |
|---------------|---|
| Date | 24 September 2022 |
| Team ID | PNT2022TMID10905 |
| Project Name | A Gesture-based Tool for Sterile Browsing of Radiology Images |
| Maximum Marks | 4 Marks |

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Purpose:

- ☐ Solve complex problems in a way that fits the state of your customers.
- ☐ Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
- ☐ Sharpen your communication and marketing strategy with the right triggers and messaging.
- ☐ Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
- ☐ **Understand the existing situation in order to improve it for your target group.**

Template:

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

Project Design Phase-I - Solution Fit Template

Team ID: PNT2022TMID10905

| | | | | |
|--|---|--|--|--|
| Define CS, fit into CC | 1. CUSTOMER SEGMENT(S) CS | 6. CUSTOMER CONSTRAINTS CC | 5. AVAILABLE SOLUTIONS AS | Explore AS, differentiate |
| | <ul style="list-style-type: none"> People who wish to use "Hand Gestures" to access the application | Needed Devices : <ul style="list-style-type: none"> System with Internet. Webcam. | <ul style="list-style-type: none"> Professionals may use other control devices like keyboards and joysticks to browse images, but this device also requires contact. In early stage the doctors have to manually do navigation and manipulation of images through EMR, but while using the gesture-based navigation and manipulation is very much easy and useful for doctors. | |
| Focus on J&P, tap into BE, understand RC | 2. JOBS-TO-BE-DONE / PROBLEMS J&P | 9. PROBLEM ROOT CAUSE RC | 7. BEHAVIOUR BE | Focus on J&P, tap into BE, understand RC |
| | <ul style="list-style-type: none"> Provide the system with an understanding of hand gestures and execute them accordingly. Be more precise when looking for hand movements. | <ul style="list-style-type: none"> Imprecise and closely related gestures are ambiguous. The navigation control requires the user to remember a number of gestures in order to access the application. | <ul style="list-style-type: none"> If a customer encounters any software problems, they should provide us feedback on the issue, and our technical team will promptly address the issue and reply via email. | |
| Identify strong TR & EM | 3. TRIGGERS TR | 10. YOUR SOLUTION SL | 8. CHANNELS of BEHAVIOUR CH | |
| | <ul style="list-style-type: none"> The effective and easy navigation time trigger clients to switch to this technology. | | | |
| | 4. EMOTIONS: BEFORE / AFTER EM | | | |
| | <ul style="list-style-type: none"> During a pandemic, people have a hard time using a public system because of the fear that the disease will spread. By using this application, individuals are assured of security against disseminated physical diseases, ensuring sterility. | <ul style="list-style-type: none"> For a common operation, simple gestures are pre-set. The user can personalize the gestures according to their wishes. The user can create new gestures in addition to pre-set gestures for new operations. | Online: <ul style="list-style-type: none"> A stable network connection is necessary for the active operation of the gesture control system. Offline: <ul style="list-style-type: none"> Power availability for the display device and gesture capturing camera. | |