

Project DesignPhase-I Problem

Solution Fit

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| Date         | 16 October 2022  |
| Team ID      | PNT2022TMID16980   |
| Project Name | Classification of Arrhythmia by using deep learning with 2-D ECG Spectral Image Representation |

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|---|---|--|--|-----------------------------------|
| Define CS, fit into CL                  | <div>1. CUSTOMER SEGMENT(S)<div>Cardiovascular disease patients and Doctors.</div></div>  | <div>6. CUSTOMER LIMITATIONS<div>EG. BUDGET, DEVICES</div><div><ul style="list-style-type: none"><li>Lack of awareness</li><li>Not having knowledge about this</li></ul></div></div>   | <div>5. AVAILABLE SOLUTIONS<div>PLUSES &amp; MINUSES</div><div>We have 24/7 collaboration with the hospitals and diagnosis center.</div></div>   | Explore AS, differentiate         |
|   | <div>2. PROBLEMS / PAINS<div>+ ITS FREQUENCY</div><div>The agenda of this proposed system is to detect Cardiovascular diseases using the 2-D ECG Spectral image</div></div>                             | <div>9. PROBLEM ROOT / CAUSE<div></div><div><ul style="list-style-type: none"><li>It is because of lack of healthy diet and not working of properly.</li><li>If there is any problem occurs it will notify the hospitals.</li></ul></div></div>  | <div>7. BEHAVIOR<div>+ ITS INTENSITY</div><div>Having a proper awareness about the health, following a healthy diet, going for a regular check-ups.</div></div>  |                                   |
| Focus on PR, tap into BE, understand RC | <div>3. TRIGGERS TO ACT<div></div><div>Not keeping a track on individuals health, not having a proper diet.</div></div>   | <div>10. YOUR SOLUTION<div></div><div><ul style="list-style-type: none"><li>Classification of Arrhythmia by using deep learning with 2-D ECG Spectral Image Representation</li><li>It helps patients to get to the hospital on time before any major problem occurs.</li></ul></div></div> | <div>8. CHANNELS of BEHAVIOR<div></div><div><div>ONLINE: It will directly connect with hospitals even when the patients is not near the doctor just by monitoring thr heartbeat.</div><div>OFFLINE: The patient must have be under the observation under the doctor.</div></div></div> | Extract online & offline CH of BE |
|   | <div>4. EMOTIONS<div>BEFORE / AFTER</div><div><div>BEFORE: Patients are not aware of their health condition.</div><div>AFTER: Keeping a track on individuals health for all 24 hours.</div></div></div> |  |  |                                   |
| Identify strong TR & EM                 |   |  |  |                                   |