

Project Title: Classification of arrhythmia by using
Deep learning with 2-D ecg spectral image representation

<p><u>1. CUSTOMER SEGMENT(S)</u> CS</p> <p>A teacher who have heart disease but she don't have time to go hospital</p>	<p><u>6. CUSTOMER CONSTRAINTS</u> —</p> <p>Identify heart disease because of several contributory risk factors such as diabetes,high blood pressure,high cholesterol,abnormal pulse rate</p>	<p><u>5. AVAILABLE SOLUTIONS</u> AS</p> <p>Healthy lifestyle habits such as eating a low-fat,low-salt diet,getting regular exercise and good sleep,and not smoking</p>
<p><u>2. JOBS-TO-BE-DONE / PROBLEMS</u></p> <p>Find heart problems and cure the diseases</p>	<p><u>9. PROBLEM ROOT CAUSE</u></p> <p>Risk factors include a poor diet,lack of exercise,obesity and smoking.Healthy lifestyle choices can help lower the risk of atherosclerosis</p>	<p><u>7. BEHAVIOUR</u></p> <p>Protect you from type diabetes,asthma,joint pain,and a number of chronic diseases and conditions</p>
<p><u>3. TRIGGERS</u></p> <p>Symptoms : Symptoms may include chest pain,nausea,shortness of breath,sweating,dizziness TR</p>	<p><u>10. YOUR SOLUTION</u> SL</p> <ul style="list-style-type: none"> ➤ Vitamin C.Arrhythmias and other heart conditions are associated with oxidant stress and inflammation. ➤ Antioxidants like vitamin c 	<p><u>8.CHANNELS of BEHAVIOUR</u> CH</p> <p><u>8.1 ONLINE</u> — 0 0 0 0 0 0 0 0 0 0</p> <p>Customer will find their heart disease online rather than going hospital.</p> <p><u>8.1 OFFLINE</u></p>

<p><u>4. EMOTIONS: BEFORE / AFTER</u></p> <p>BEFORE: Especially negative emotions,such as anger,stress depression,anxiety</p> <p>AFTER: Temporary feelings of sadness and a depressed mood are common for the first few weeks.</p>	<p>and vitamin E appear to be effective in reducing these.</p>	<p>Customer will collect their ECG image offline going hospital.</p>
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