

Ideation Phase

Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID37351
Project Name	Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation.
Maximum Marks	2 Marks

Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

I am	<small>Describe customer with 3-4 key characteristics - who are they?</small>	Describe the customer and their attributes here
I'm trying to	<small>List their outcome or "job" the care about - what are they trying to achieve?</small>	List the thing they are trying to achieve here
but	<small>Describe what problems or barriers stand in the way - what bothers them most?</small>	Describe the problems or barriers that get in the way here
because	<small>Enter the "root cause" of why the problem or barrier exists - what needs to be solved?</small>	Describe the reason the problems or barriers exist
which makes me feel	<small>Describe the emotions from the customer's point of view - how does it impact them emotionally?</small>	Describe the emotions the result from experiencing the problems or barriers

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Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	<ul style="list-style-type: none"> Businessmen Busy with Lot of dealings and commitments. Sometimes feeling pain in the heart and 	Know about my health status. So I took a ECG test.	I couldn't make an appointment with my doctor.	I have lot of meetings and working on a high budget project.	Anxious about my health condition.

	uneasy while breathing.				
PS-2	<ul style="list-style-type: none"> Physician Need to deal with lot of patients. Some of them are in their worst stages. So that I need to diagnose the type and treat them accordingly. 	I need to prioritise patients depending on the emergency conditions.	Manual monitoring took lots of time. So that treatment for critical patients got delayed.	Diagnosis itself consumes more time.	Disappointed and helpless
PS-3	<ul style="list-style-type: none"> Daily wage Feeling discomfort while working and Sometimes having breathing problems. I took a ECG test with a discount in a laboratory. 	Consult a doctor to know whether I have a Problem or not.	I couldn't afford for my medical expenses due to my low income.	Cost of consulting a Cardiologist is high.	Frustrated and Incapable
PS-4	<ul style="list-style-type: none"> Commoner from a remote place. Took a ECG test from laboratory in a nearby town. 	Know whether I have arrhythmia and what type it is.	Travelling itself consume lot of time to reach the town and insufficient transport facilities.	I am from a place where there is no proper hospital facility.	Hopeless and tiresome.