4Ws Problem Canvas

# Who is having the problem?

1. Who are the stakeholders?

HUMAN BEINGS OF EARTH.

1. What do you know about them?

They are unaware of cardiovascular conditions.

# 

# What is the nature of the problem?

1. What is the problem?

Being unaware of cardiovascular situation may lead to permanent damage to the stakeholders body as well as death.

1. How do you know it is a problem?

Cardiovascular diseases these days are a very important concern as the heart is a prominent organ in the human body. I got this info from trusted sources.

# Where does the problem arise?

1. What is the context/situation in which the stakeholders experience the problem?

Unhealthy food intake, life-style as well as stress.

# Why do you believe it is a problem worth solving?

1. What would be of key value to the stakeholders?

To detect Cardiovascular Conditions and take prompt action to prevent any damage to their lives.

1. How would it improve their situation?

The predictor would help them by detecting symptoms in earlier stages so that they can prevent further damage and can start taking precautionary measures.

# Problem Statement Template

|  |  |  |
| --- | --- | --- |
| Our | HUMAN BEINGS OF EARTH | **Who** |
| has/have a problem that | They are unaware of CVD’s which may lead to fatality | **What** |
| when / while | Some people may mistake certain symptoms for other gastric issues while on the contrary they are the symptoms of a CVD. | **Where** |
| An ideal solution would | My CARDIOVASCULAR DISEASES PREDICTOR which would give our users a detailed but comprehendible report by which they can take the necessary action. | **Why** |

1. Elaborate the problem:

Some people may mistake certain symptoms for other condition and ignore CVD symptoms which is a grave error.

1. Elaborate the probable solution:

My CVD predictor is the solution to this as it indicates symptoms of CVD’s in earlier stages which prevents further issues. Certain symptoms are ignored such as chest pain; it is taken as gastritis whereas on the contrary it might actually be the symptoms of a heart attack which is a grave error. The CVD predictor is not yet ready to give diagnosis on heart attacks. The CVD is not a final opinion, it merely gives us a report on whether there are CVD symptoms detected or not.

1. Role of AI in the solution:

AI plays an important role in this. The model I will be using for my final project will be K-Neighboring data which uses its neighbor’s data to conduct predictions. Instead of a doctor manually checking every-single report and giving his/her opinion on it after an extensive time period, my CVD predictor can give predictions two-third of the time period a doctor takes to do the same.