

# Problem-Solution fit canvas 2.0

Define CS, fit into CC

## 1. CUSTOMER SEGMENT(S)

. This work proposes a personal assistant for an elderly people or a patient. The Personal assistants can provide in-home respite care, allowing family members or other caretakers to take a temporary break.

## 6. CUSTOMER

Personal assistants can be used to supplement the care of a family member or other caretaker by fulfilling a required task. Personal assistants deliver care and companionship when you can't be there, or when you simply need a hand.

## CC

## 5. AVAILABLE SOLUTIONS

This paper proposes an affordable personal assistance device for health monitoring of elderly people using different sensors which can measure pulse rate, position of elderly. Therefore the doctor can identify the abnormal values easily and can attend the patient if the device is used in the hospital. Proper intake of medicine at correct time is indicated by the display on OLED screen and an alert is produced by buzzer.

## AS

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

## 2. JOBS-TO-BE-DONE / PROBLEMS

## J&P

With the continuously increasing utilization of internet in this point in time, this assignment paintings has been engaged to execute a framework depending on web innovation which could discuss through internet for health checking of patients and for giving assist to vintage people.

## 9. PROBLEM ROOT CAUSE

## RC

The main objective of this work is to help seniors maintain their quality of life at home and to keep them living their lives their way, as well as to lighten the load of full-time or family caretaker.

## 7. BEHAVIOUR

## BE

There are 14 digital input/output pins in Arduino-uno. Out of these 14 pins 6 pins can be used as PWM outputs. The digital pins (14) on the Uno can be used as an input or output.USB connection or an external power supply is used to power up the Arduino-uno.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

## 3. TRIGGERS

## TR

These measure-monitor data will be sent to allthings talk-maker application in the doctors mobile. The software part is the MIT app inventor and thingspeak and Arduino IDE

## 4. EMOTIONS: BEFORE / AFTER

## EM

—Tracking the health of a person and proper medication improves their life time. Studies suggest the most of the deaths of the elderly people have occurred during the night when the person is aslee

## 10. YOUR SOLUTION

## SL

When the elderly wear the device, the pulse sensor present in the device measures the pulse rate, later these readings are sent to the Arduino-uno. The data from different sensors are sent to the Arduino and through NodeMCU. These measured values are sent to the doctor application and then the caretaker can check the readings frequently.

## 8. CHANNELS of BEHAVIOUR

## CH

1) Hardware and 2) Software. The hardware is the device which the patient can use for measuring the pulse rate and position of the patient. The purpose of this work is to create a daily health monitoring.

Extract online & offline CH of BE