The customer segment involves not only doctors and nurses but also individuals over the age of  $60\ \text{years}.$ 

# 1. CUSTOMER SEGMENT(S)

CS

# 6. CUSTOMER CONSTRAINTS

CC

### 5. AVAILABLE SOLUTIONS

AS

Explore

AS,

differentiate

The most important constraint to work on is the user interface since the customer segment involves individuals over the age of 60 years. Feasibility of network and devices also acts as a constraint. The available solutions for detection of Parkinson's disease involves the conventional prescription method from the physician.

# 2. JOBS

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

J&P

9. PROBLEM ROOT CAUSE

RC

#### 7. BEHAVIOUR

BE

The work to be done is to develop an user friendly interface with scanner integration to help all the individuals and also to integrate an accurate precision Machine learning framework.

Parkinson's disease occurs when nerve cells, or neurons, in an area of the brain that controls movement become impaired and/or die. Normally, these neurons produce an important brain chemical known as dopamine. The user uploads an instant spiral drawing using scanner integration and expects a positive or negative result for Parkinson's detection

#### 3. TRIGGERS

strong

됬





#### 10. YOUR SOLUTION

SL

### **8.**CHANNELS of BEHAVIOUR



# The triggers of the individuals include inability to hold things or write legibly.

# Our solution is to provide an user-friendly interface which is easy to handle and use and to provide the application - a scanner integration which will act as a tool for testing Parkinson;s disease.

#### T. OIVEIN

The user uploads a spiral drawing in the application for the detection test. The output results are online as well.

#### 8.2 OFFLINE

The drawing of the spiral image happens offline. The results can be downloaded and can be checked with the physician.

## 4. EMOTIONS: BEFORE / AFTER



The users are often left in a confused and anxious state before their Parkinson's test and are left with a positive or negative reaction after their result.

T	