

# Solutions for Homework7

Emre Arapcic-Uvak  
Vedad Siljic

## **Abstract**

In this document we will show the solutions for problems represented in the given homework for this week.

# Contents

<b>1</b>	<b>Theoretical Problems</b>	<b>3</b>
1.1	Part 1. . . . .	3
1.1.1	Question . . . . .	3
1.1.2	Solution . . . . .	3
<b>2</b>	<b>Octave Problems</b>	<b>4</b>

# 1 Theoretical Problems

## 1.1 Part 1.

### 1.1.1 Question

1. Your company has been granted a contract to develop the next generation of electronic cigarette, also known as a “nicotine delivery system,” and you have been assigned to the design team. Can you in good conscience contribute your expertise to this project? Write in details: issues, stakeholders, consequences action you might take
2. Choose **one** of the following industries then:
  - a. Apply the four-step ethical decision-making procedure to gain insight into the nature of the decision to be made  
(what the issue and who is effected by the alterntives, alternatives from other prespectives and their correlation, suggest an action)
  - b. Give at least one more ethical issue in the indutry you choose

Choose one:

- (a) Food processing industry (one issue Excess use of (fat/sugar/salt))
- (b) International manufacturing companies (one issue poor labor practice in other countries)
- (c) Various chemical industries (one issue Pesticide effect on ecosystem)

### 1.1.2 Solution

1. (a) Step 1: Identify and see if there is a problem, and if who is affected by it.
  - Issues:
    - Nicotine is very addictive and detrimental for your body.
    - This device / product might misdirect a lot of people into thinking that it will help them to stop smoking while in reality it could be worse.
    - Health care lawsuits / Protests against the product.
    - If this product becomes popular, there will be a huge decline in tobacco sales.
    - Refusing to make this product can get you fired.
    - Halting the production can cause huge money loss.
  - Stakeholders:
    - Nicotine addicts that are trying to recover
    - The User
    - Young people
    - The company
    - Tobacco farmers
    - You
- (b) Step 2: Analyze alternative courses of action from different perspectives.
  - Consequences:
    - Future lawsuits will come.
    - You might lose your job.
    - A lot of people might develop health problems
  - Intent:
    - People who struggle with nicotine addiction should **NOT** use this product.
    - People who use this device risk getting addicted to nicotine.
    - People might overcome their tobacco addiction.
    - The company will make a lot of \$\$\$
  - Character
    - Person of good character would **NOT** condone the use of this device.
    - Person of good character **COULD** use this device without damaging their reputation.
    - My spiritual leader would **NOT** condone the use of this device.

- (c) Step 3: Correlate perspectives.
    - While it is true that this device can help people resolve their smoking addiction, it will still affect the consumers health because nicotine is poisonous. This device doesn't benefit people who are non smokers, nor does it do good for the company because of the legal lawsuits it would face from all the health concerns.
  - (d) Step 4: My decision
    - I do **NOT** condone the use of this device for the soul reason that it has more negative over positives, and all the positives it has all come with their side-effects.
2. Food processing industry (one issue Excess use of (fat/sugar/salt))
- (a) Step 1: Identify and see if there is a problem, and who is affected by it.
    - Issues:
      - Health problems
      - Possible lawsuits
    - Stakeholders:
      - Young children
      - Industry food consumers
      - Students (Because no \$\$\$, can't get good food :( spent it all on my car)
      - Company
  - (b) Step 2: Analyze alternative courses of action from different perspectives:
    - Consequences:
      - Diabetes
      - Heart problems
      - Sugar Rush
      - Kidney problems
    - Intent:
      - Young kids should not be given food with too much sugar, because it has a high probability of giving them a sugar rush.
      - People should not consume food with a lot of fat, because it increases the chance of a heart attack.
    - Character:
      - Person of good character would **NOT** condone the selling of food products with high amount of salt,sugar, or fat.
      - Person of good character would **NOT** sell these products.
  - (c) Step 3: Correlate perspectives.
    - Products that have an excess amount of fat/sugar/salt are extremely cheap, and very damaging to a person's health.
  - (d) Step 4: My decision
    - I do **NOT** suggest consumption nor selling of products with excess amount of fat/sugar/salt do to their high levels of risk to health.

## 2 Octave Problems