

# GLOBAL STUDY PROGRAM

Joint Program  
Seinäjoki University of Applied Sciences × Chiba University  
Design × Nursing

## DESIGN FOR HOME CARE SYSTEM TOWARD THE FUTURE

Global Study Program which students of Chiba University and Seinajoki University of Applied Science has worked together. This project was held in Seinajoki. Students learned about home care system in Finland and designed new idea that can improve problems discovered during research.



### Schedule

1st Week

#### Self Introduce / 1st Proposal



2011.09.19

#### Field Research



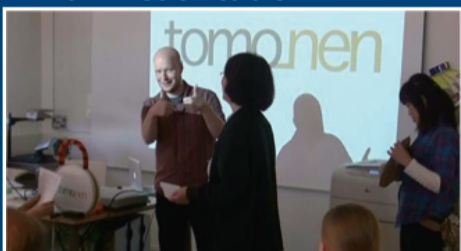
2011.09.20

#### Midterm Presentation



2011.09.23

#### Final Presentation



2011.09.30

#### Get Feedback



2011.09.28

#### Prototyping



2011.09.27

2nd Week

## Member

### Adviser

#### Chiba University

|                                      |  |
|--------------------------------------|--|
| International Research and Education | Ms. Ryoko Niikura<br>Ms. Atsuko Moriyama |
| Department of Nursing                | Ms. Yayoi Iwasaki<br>Ms. Mizuho Fujita   |
| Department of Design                 | Mr. Makoto Watanabe<br>Mr. Kenta Ono     |

#### Seinäjoki University of Applied Sciences

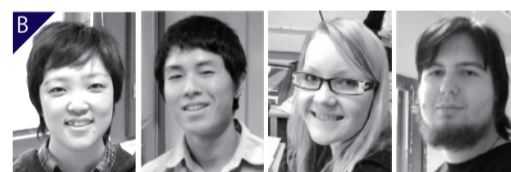
|                                       |  |
|---------------------------------------|--|
| International Office                  | Ms. Helli Kitinoja<br>Ms. Riina Luttinen |
| School of Health Care and Social Work | Ms. Marita Lahti<br>Ms. Virpi Kemppainen |
| School of Culture and Design          | Mr. Esa Savola<br>Ms. Saija Sillanpää    |



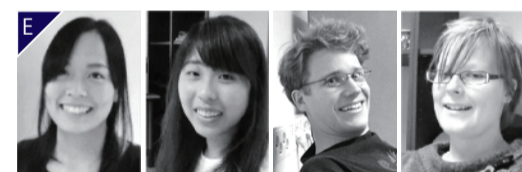
Junichi Ishigaki  
Miki Nakamura  
Mira Köykkä



Tsuki Hayashi  
Fumiko Kokura  
Sanna Tarkkanen  
Joonas Sippola



Rie Maruyama  
Syohei Kon  
Saara Tikkakoski  
Markus Valkiala



Honami Ogura  
Sayaka Sakai  
Aleksi Hakkarainen  
Ulla-Majja Poranen



Minami Takasawa  
Hirofumi Cho  
Sanna Kontiola  
Joanna Niemi

### Group A

## TIME MACHINE



### Concept

This system is called the Time Machine. This system was made to help elderly people remember their memories easily. Elderly people would be able to make communication with their family and friends easier by using this system.

### System

Time Machine is a system that you can save your memories into an album "Memory lane" by pictures, movies, and voices. This system also has a center, a mobile center. The center is where you can get help from the staff members. You can recall the memories on a big display, and make the album with your family or friends. Even if you can't go to the center, you can get the same service by a mobile center which is a truck called "Time Machine Jr". The album has a scanner, or you can use wireless network to save your memories. The album also has USB device, memory card slots, and a voice recorder. Speakers and smell sensors are in the front of the album.





Group B

# HEALTH CENTER

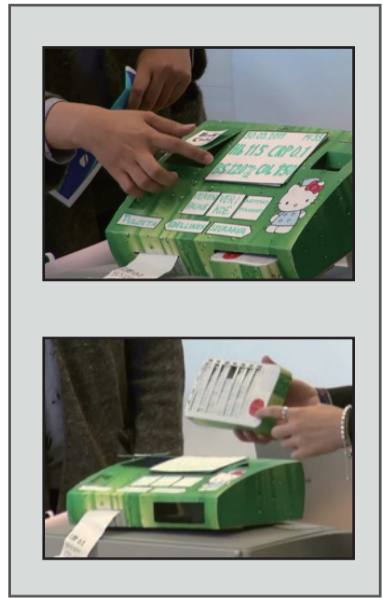


## Concept

Many elderly people do not like to use the computer because it is difficult to use. At the same time, a lot of elderly people are in need of medical services. Therefore, if they could use the computer and check their health more easily, they would be able to live a better life.

## How to Use

This is called the health computer. To check the blood pressure, wrap the wireless blood pressure cuff around the arm and press the button. To take a medicine, put the medicine in the hole and the computer will automatically give you the pills and tell you when to take them. To take a blood test, just put the finger on the needle. If they want to go to the hospital, take the card that has all the data from the computer.



Group C

# TOMONEN

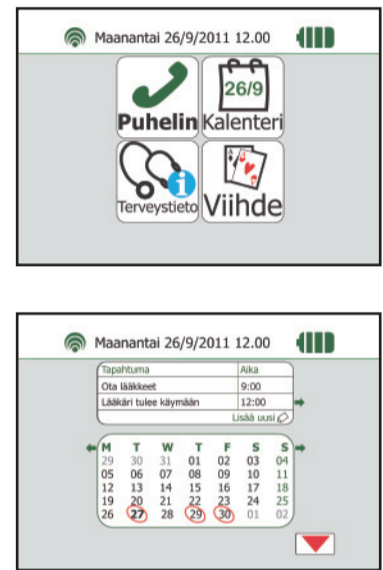


## Concept

"Tomonen" is a word that comes from "tomo" the Japanese word for friend, and "nen" the Finnish word for cute. It blends in with the atmosphere like a furniture in the house and assists an elderly who lives alone from many aspects. It is like a reliable friend who brightens the daily life of solitude.

## Function

\*Health assistant  
Tomonen manages the schedule such as the time to take the medicine or the time the nurse visit. Users can talk with the special staff about their health through the tomonen's communication system. Also, they can call for help in a state of emergency.  
\*Communication assistant  
Users can communicate with their friends or family through a web camera. They can greet people face to face at anytime, anywhere.



Group D

# HAPILA



## Concept

Hapila is a watch-like device for elderly people. It makes the users feel more secure and they can get more benefits depending on the way they use it.

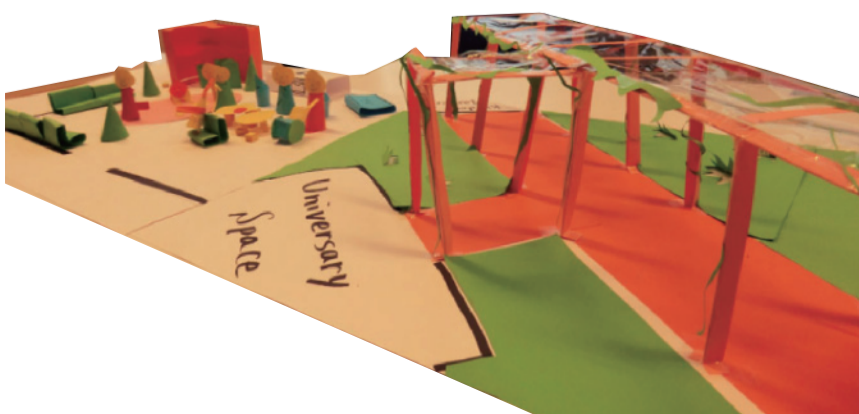
## How to Use

This device has many attractive functions. First of all, it gives an alarm when the user pushes the screen for 3 seconds. Secondly, it gives information by voice commands about the time, temperature, and the steps the user walked. For example, if the user says "time", it shows what time it is. Thirdly, it has a GPS system so it will be safe for the user to go out. Finally, the belt and background changes so it can be enjoyed as a fashion item.



Group E

# PUBLIC SPACE



## Concept

Intergenerational interaction is essential, thus it is important to make this happen easier with adequate safety. The Public Space, including corridors between day-care centers and kindergartens, and public play space inside super markets, will offer a place where seniors and juniors can come together and enjoy themselves.

## Feature

Within the Public Space, seniors and juniors can come to relax, play, and talk. Various events could also take place: such as Bingo parties, Tango, quiz events, etc. The room layout is changeable, by moving its furniture, stages, and walls. In addition, the public play space with observers will enable mothers to keep their children safely in super markets. Parents will be able to shop while keeping their children fun and secure.

