

# BI-WEEKLY REPORT

## 20 OCT 2017

NTT DATA: SLEEP DATA WITH GOSH

TEAM 29

MARIAM ABBAS, ABHINATH KUMAR, VIJEYKANNEN VIJAYARATNAM

### OVERVIEW

The team received a summary of the project. The team will be working with the Great Ormond Street Hospital (GOSH) and NTTData. The project will involve modifying the NTTData 'hitoe' wearable sensor for use with gathering sleep data. The project will involve both hardware and software development. The team also met with our clients from Great Ormond Street Hospital and NTTData. The team visited the Respiratory Sleep Clinic at GOSH.

### MEETINGS

#### THURSDAY 05 OCT 2017

The team members met as a full team for the first time and met with Dr. Dean Mohamedally who gave a brief description of the project.

#### TUESDAY 10 OCT 2017

The team met with the clients from GOSH and NTTData for the first time. The team gained a better understanding of the project and the needs of the clients.

#### WEDNESDAY 18 OCT 2017

The team visited the Respiratory Sleep Clinic at GOSH to see the current hardware and software used in sleep studies. The team also got an idea of what features would be useful to the team at GOSH.

#### FRIDAY 20 OCT 2017

The team met with Mr Hiroki Inagaki from NTTData and the team from GOSH. The team got a hands-on experience with the 'hitoe' and got a clearer understanding of the project requirements.

### PROBLEMS

- Mr. Hiroki Inagaki is based in Germany thus face to face meetings will be difficult.

### PLAN

- Prepare HCI Website
- Prepare HCI Video

## INDIVIDUAL SECTIONS

### MARIAM ABBAS

As the team leader, I was the point of contact between clients, set up meetings, spoke to GOSH and NTT data. Along with the team we put together a series of questions to ask to get an idea of the requirements. I then attended the meeting with the clients and could ask questions to establish a basic set of user requirements. I also researched into the problem and some medical terminology I was unsure of.

### ABHINATH KUMAR

As the main researcher, I began to look into the current Hitoe t-shirt. There was not much documentation on the technology, however one research article gave us a summary on the works. This gave us an idea on both the purpose and scope of the project. I also tried to match the functionality of the smart shirt to the requirements of sleep apnoea studies. This gave me a rough understanding on what needed to be done.

### VIJEYKANNEN VIJAYARATNAM

This week involved many meetings with our clients, my job this week was mainly to document these meetings and produce the necessary minutes and reports. My other responsibility is to research on the competing solutions to help us in the design of our solution as well as to help us in the completion of our upcoming Human Computer Interaction Assignment.