

# BuddyBot System

## by using RSNP

### **Advanced Institute of Industrial Technology (Japan)**

Tsuchiya Yosuke ▪ Yuji Kaneko ▪ Kaoru Nagase ▪ Tomoki Kawayama

### **Takushoku University (Japan)**

Kentaro Kurakata

### **enPiT (Japan)**

Hiroshi Kaneda ▪ Yuta Yaguchi ▪ Kei Ogasawara

### **Universiti Brunei Darussalam (Brunei Darussalam)**

Matthew Jerickson Nazareno Vejerano ▪ Ak Ahmad Al-Khairi bin Pg Haji Tejudin

Abdul Aziz bin Hj Abdul Kadir ▪ Ak Muhd Aminuddin bin Pg Osman

Irzy Tuah ▪ Dk Nur Afiqah Jacwati Puteri Pg Md Caesar Perkasa Putera

Nur Farwezza Nadhirah bte Mohd Kamransah

Md Shohidul Islam ▪ Mohamad Fauzi bin Zaini

### **Unitec Institute of Technology (New Zealand)**

Adam Deery ▪ Josh Prow

# Introduction

- **What is BuddyBot?**

- BuddyBot is a EV3 robot system which assist taking cares for and educates children with chronic illness by remote control.

- **Purpose**

- Help the children to understand their illness, and have a good relationship with their illness.

- Relieve the stress of the children and caretakers like parents and doctors.

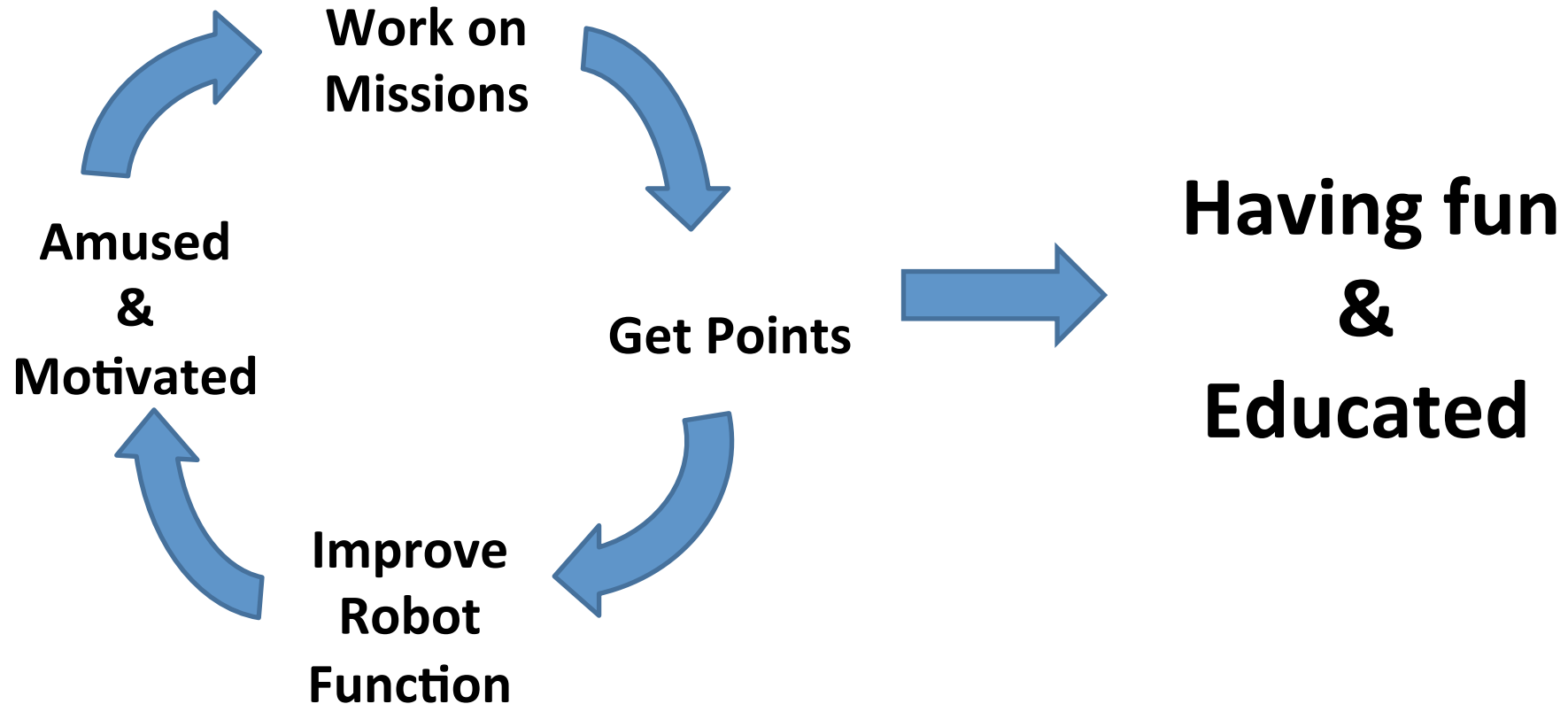
- **Issue of the children with chronic illness**

- Taking medicine regularly

- Going to see doctor constantly

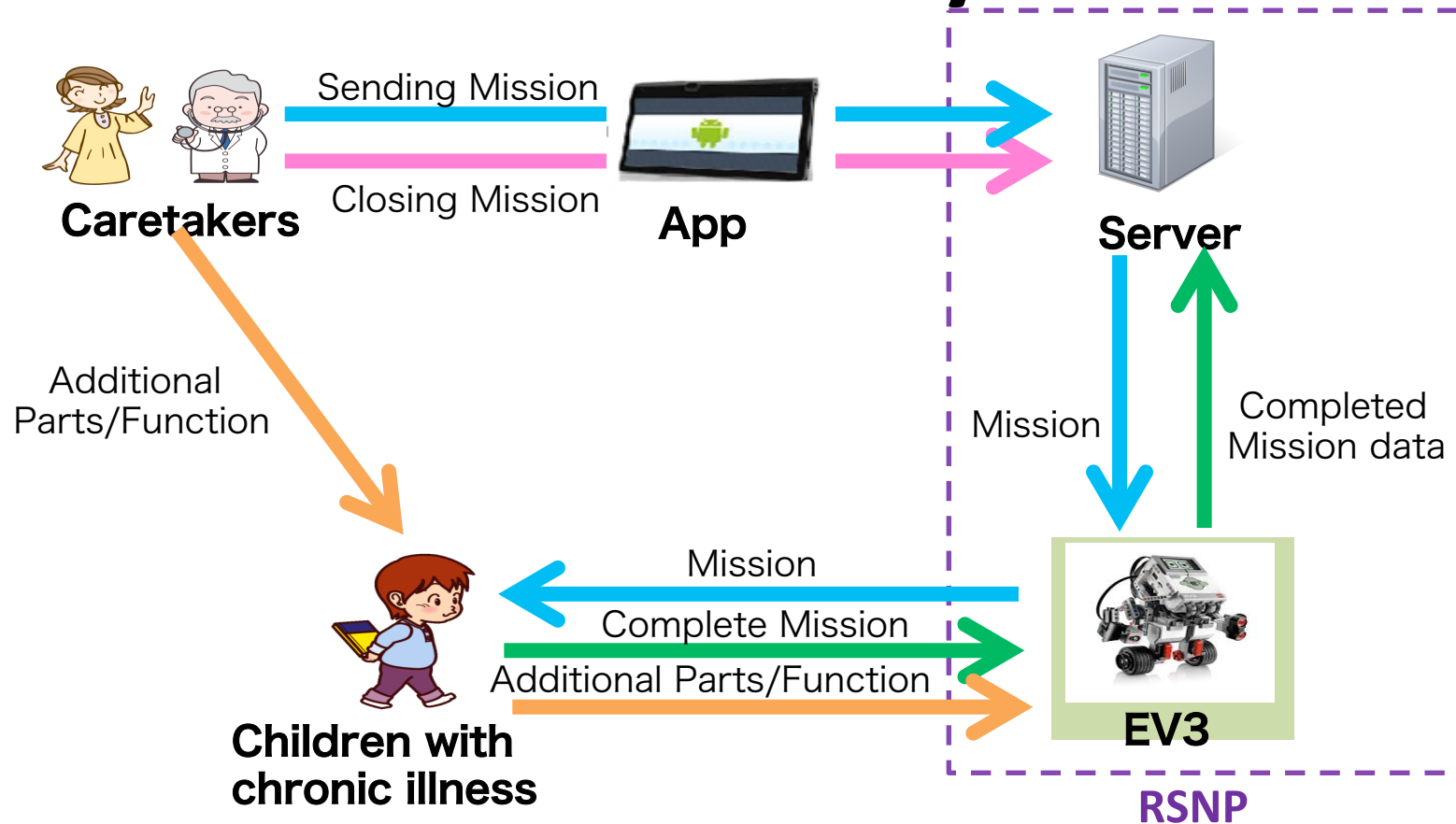
- Understand their illness

# Idea of the System



- Make the children want to know their illness and follow the certain instruction without asking from caretaker.
- Relieve the stress of child and caretaker from a struggle with illness

# Outline of the System



- 1). Caretakers send missions to server with Application
- 2). Server send the missions to EV3 and tell the missions to children
- 3). After the children finished the missions, EV3 send the data to server

# Feature of the System

- **Mission**

- Action, quizzes or games that relate to the illness

- Voiced data

- Easy to resister

- **Additional Parts/Function**

- Exchange the point from finished mission with additional parts or function for EV3

- Add originality to their EV3