

# Monitoring Infant System by using RSNP

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# The value and meaning of the system, and its background

- **Meaning of the system**

The monitoring infant system can keep an eye on infants by using robot that use the **detecting sound system and to RSNP** server for monitoring infants.

- **Value of the monitoring infant system**

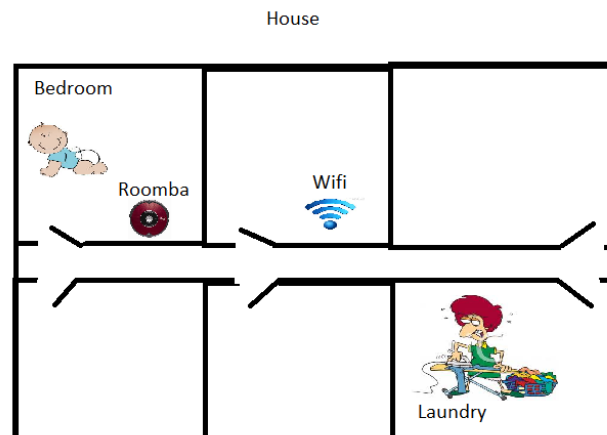
This system is useful for user who have difficulties in looking after an infant all the time.

- **Background**

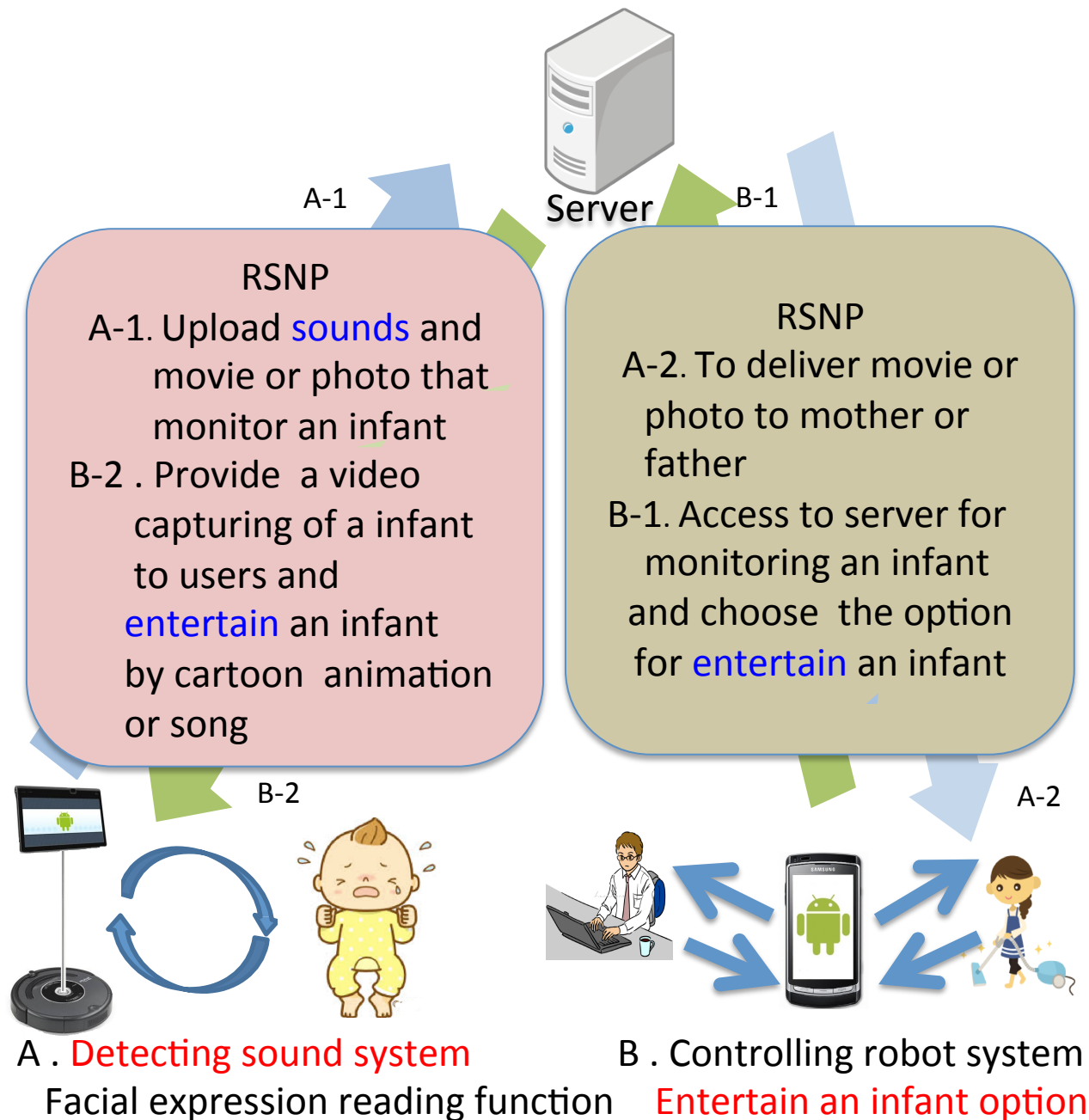
One of parents or their maid often looks after their one or more infants in Brunei.

And big houses or houses with many rooms are common.

Therefore, it is difficult for them to always stay with their before in the same room.



# Outline of the system



## A . **Detecting sounds system** and **Facial expression reading function**

- i ) Robot hears suspicious sound
- ii) Robot starts detecting and reading an infant's facial expression.
- iii) Robot uploads the sound through RSNP and sends a notification to users with cooperating server service.

## B . **Controlling robot system** and **Entertain an infant option**

- i) Users control the robot to change direction and to go to various positions by using a controller.
- ii) Users can choose the option for entertaining an infants
- lii) Users can show a cartoon or play a song by using their devices.

# Feature of the system

- Users can monitor infants anytime and anywhere by accessing the system.
- Users can receive exact infant's information by using Detecting sound system and Facial expression reading function .
- Users can monitor infants from various directions by using Roomba
- Users can entertain infants by making the robot show a cartoon or playing a song.

