**MINISTRY OF EDUCATION AND TRAINING**



**FPT UNIVERSITY**

Capstone Project Document

**Health Support Tracking System**

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| **Group 2** | |
| **Group members** | Ha Kim Quy – QuyHKSE61160  Tran Dang Quan – QuanTDSE60878  Phan Nhat Anh – AnhPNSE90158  Man Huynh Khuong - KhuongMHSE61148  Nguyen Duy Khuong – Khuongnd60493 |
| **Supervisor** | Mr. Kieu Trong Khanh |
| **Ext. Supervisor** | N/A |
| **Capstone Project code** | HSTS |

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# Definitions, Acronyms, and Abbreviations

# Introduction

## Project Information

- Project name: **Health Support Tracking System**

- Project Code: **HSTS**

- Product Type: **Mobile Application, Website**

- Start Date: **September 07th, 2015**

- End Date: **December 12th, 2015**

## Introduction

* In modern society, the people worry about their health. The fat is the most important problems. The doctor diagnoses the patient with medicine and exercises. However, the patient uses medicine without exercises or forget use medicine that cause problem in effective treatment. Besides, some patient need to be followed and update regimen after a period. Patient need to consult in time to treatment.
* The smart activity wristband appear providing functional with tracking workouts, calories burned, steps. Besides, that device can synchronize bluetooth and automatically to the computer and over 150 leading smart phones.
* So, this system will help doctor tracking practice information of patient. We will remind patient use medicine.

## Current Situation

Some applications already on the market:

* It only tracking some information like number of step, distance, calories burned.
* Only support for one smartphone or one wristband.
* Does not have participation of doctor.
* Does

## Problem Definition

* Uu nhuoc diem cua cac ung dung hien co tren thi truong.

## Proposed Solution

The application uses a combining of a smart phone with a wristband device to collection the patient’s number of steps, calories burned. Base on collected information, the doctor make the treatment decision within system suggestion. Our system will collect all information from wristband to propose the way to healing.

### Feature functions

* The nurse can input basic information about patient.
* The doctor can accept to treatment.
* When doctor accept treatment, system will connect between doctor and patient.
* Collect data of wristband and send to server everyday.
* System compare with treatment in database to suggest to doctor.
* Doctor view treatment, edit treatment and accept treatment.
* The patient can receive treatment plan, notification from doctor.
* System will remind patient use medicine on time.
* The doctor can make the next appointment schedule.
* The patient can view current information of wristband, history and edit their information.

### Advantages and disadvantages

* Advantages:
  + Provide doctor tracking information to make treatment plan more effective.
  + Patient will receive attention of dortor everyday without waste many time.
  + Patient never forget use medicine because this system will remind them.
* Disadvantages:
  + The doctor must have laptop and internet connection to access tracking information.
  + The patient must have suitable smartphone with wristband device, and also must have internet connection to sending information, receiving treatment plan.
  + Patient have to use wristband to system can get right information.

## Functional Requirements[REVIEW]

Function requirements of the system are listed as below:

### Create a patient profile in system.

* Nurse input information when patient meet doctor.
* Doctor will accept treatment to patient and provide account.

### Get information of wristband and save in smartphone.

* Application on smartphone can get information of wristband save in local.

### Android application send information of wristband to server.

* When patient’s smartphone have internet. Application will synchronize data from local to server.

### System suggest food, medicine, exercise for patient to doctor.

* When collect data of patient system will compare with regimen and suggest to doctor.

### System send propose of doctor to patient.

* System send propose of doctor (what’s to eat? How to use medicine? What’s exercise patient do in one day) to patient.

### Application support to remind use medicine.

* Remind use medicine.

### Manage regimen of disease.

* Add new regimen and new disease.
* Update regiment of disease.

## Role and Responsibility

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| --- | --- | --- | --- | --- |
| No | Full Name | Role | Position | Contact |
| 1 | Kieu Trong Khanh | Scrum owner | Instructor | khanhkt@fpt.edu.vn |
| 2 | Ha Kim Quy | Scrum master | Leader | quyhkse61160@fpt.edu.vn |
| 3 | Tran Dang Quan | Team member | Member | quantdse60878@fpt.edu.vn |
| 4 | Phan Nhat Anh | Team member | Member | anhpnse90158@fpt.edu.vn |
| 5 | Man Huynh Khuong | Team member | Member | khuongmhse61148@fpt.edu.vn |
| 6 | Nguyen Duy Khuong | Team member | Member | Khuongdk60493@fpt.edu.vn |

Table 1 Roles and Responsibility