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| |  |  |  |  | | --- | --- | --- | --- | |  | | **MINISTRY OF EDUCATION AND TRAINING** | | | **FPT UNIVERSITY** | | |
| Capstone Project Document |
| Online Medical Consultant System |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | **Group 02** | | | **Group member** | Trần Nguyên Tiến Sứ - Team Leader - SE60781  Trần Cao Danh - Team Member - SE60705  Trương Hải Đăng - Team Member - SE60841  Bùi Nguyên Tín - Team Member - 60165 | | **Supervisor** | Mr. Nguyễn Huy Hùng | | **Ext. Supervisor** | N/A | | **Capstone Project code** | OMCS | | |
| * Ho Chi Minh City, 11 May / 2014 – |

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## Project Information

* Project name: **Online Medical Consultant System**
* Project Code: **OMCS**
* Product Type: **Web Application**
* Start Date: **May 11th, 2014**
* End Date: **August, 20th, 2014**

## Introduction

Healthy is one of the most important aspects throughout ages. Everybody want to have a good healthy, but diseases are inevitable. When people need medical treatment, traditional way is go to hospital or medical clinic.

Those ways can have many disadvantages:

- Take time.

- Hospitals are usually overwhelmed[1].

- Patients have a lot of difficulties to learn and gain experience from their problems.

- Some diseases hard to talk directly with doctors due to embarrassment.

With the emergence of the Internet, many systems have been built to let user access the great knowledge base about health. Besides that, they also provide way to let medical experts answer user-specific questions.

## Overview of similar existing solutions

<http://www.ykhoa.net/yhocphothong/thamvansuckhoe/HDSK-92.html>

Q&A about medical information by sending email to Dr. Phan Xuân Trung

<http://www.vet.cornell.edu/consultant/Consult.asp>

Build a knowledge system contributed by consultants and let user search on it

<http://bacsytructuyen.com/>

News/tip about medical

Online consulting page: <http://bacsytructuyen.com/tu-van-truc-tuyen>

Make question by submit the form

<http://alobacsi.vn/kham-benh-online.htm>

Search in knowledge base (nearly 100000 questions)

Make question by submit the form

<http://www.tuvansuckhoe24h.com.vn/>

Support chatting using yahoo

Ask question for consultants

## Limitations of the existing system

- Lack of interaction between patient and doctor.

- Not support to build a great community about healthy.

- Not convenient for user (patient usually care about their problems rather than search on a great source data)

## Proposed Solution

Our system try to apply make life much better for Vietnamese by provide many features:

- Patient can register as a user of system. They can create medical profile, and show it to the doctor to get better advices.

- Patient can self-educated by reading consultant's article, asking doctor directly.

- Doctor can register as user of system and must be waiting for admin to active. Doctor can give tips, notes to contribute their knowledge for the community, and get rating. Doctor with great rating in website can build a good reputation. Roles and Responsibilities

## Disadvantage of OMCS

This system is not consider as a replacement for current hospital, especially paraclinical tests when those need precisely equipment which really difficult to conduct via internet.

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Reference:

[1] <http://tuoitre.vn/Chinh-tri-xa-hoi/Song-khoe/601703/qua-tai-benh-vien-cang-chong-cang-tram-trong.html>

[2] <http://alobacsi.vn/Search.aspx?utm_source=Search_Box&key=c%E1%BA%A3m%20c%C3%BAm>