** MINISTRY OF EDUCATION AND TRAINING**

**FPT UNIVERSITY**

Capstone Project Document

**Laptop Review**

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| **Capstone Project code** | LRS |

-Ho Chi Minh City, ***May 12th, 2015***-

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# Report No. 1 Introduction

## Project Information

* Project name: **Laptop Review**
* Project Code: **LRS**
* Product Type: **Website, Phone Application**
* Start Date: **May 12th, 2015**
* End Date:

## Introduction

Nowadays, there are many kinds of laptops that many people suffer difficulties in finding the best laptops for them. People often choose laptop based on what they see at the electronic supermarkets or reading reviews on some trusted pages, etc. Today, with the growth of technology, we can have a more convenient way to do such jobs. To achieve this, we should gather and classify the reviews from trusted websites so that customers can have the best advices and easily make decisions. How can we know whether the reviews are positive or negative? Our system will, therefore, help classify the reviews automatically, show them to our customers in an appropriate way.

## Current Situation:

Below are some habits:

* At electronic supermarkets: Here, people will get advices only from sellers or they just can read the specs of laptops and choose.
* Online: they can search on Google or another search engines, then read the reviews on some trusted websites and make decision.

## Problem Definition

Below are the advantages and disadvantages of current habits:

* At electronic supermarkets:
* Advantages: Here, customers can see the laptops physically, and the quality can be trusted.
* Disadvantages: Sometimes, advices from sellers are not trustworthy. Moreover, performances promised by manufacturers may be overstated.
* Online:
* Advantages: Customers will have a wide range of reviews which are extremely helpful. Whether positive or negative, these reviews will guide customers in making a better purchasing decision.
* Disadvantages: It will take lots of time to read all the reviews, and some reviews may be useless or not relevant that can make customers confused.

According to the description above, we can realize that reviews are one of the most important factors for choosing laptop. Are the reviews relevant or not? Useful or nonsense? From the trusted website or not? Our system will help you with those problems.

## Proposed Solution

The system is intended for using by those with a smart phone or a laptop/computer with Internet connection. The system will have the following functions:

### **Feature functions**

* Admins can manage accounts.
* System can parse laptops’ specs and reviews daily or on requests.
* Staff can configure the system, manually update dictionary and train machine.
* Users can search laptops, ask for laptops those are not available on the system and will be informed of those laptops.

### Advantages and disadvantages

The advantages and disadvantages of the proposed solution:

* Advantages: Provide useful reviews with classification that help customers to make decision easier.
* Disadvantages: Users must have a smart phone or a laptop/computer to use this system. Internet connection is required to obtain the latest information.

## Functional Requirements

Function requirements of the system are listed as below:

### Data Management

* System will parse data from trusted websites automatically at specific times.
* Staff can force the system to parse data any time.
* Users can ask for laptops which are not available on our systems.

### User Management

* Admin can manage staff.

### Dictionary Management

* Staff can update data in dictionary manually.
* Dictionary can automatically find synonyms of available words/phrases

### Searching Laptop

* User can search laptop and view that laptop with classified comments.

## Role and Responsibility

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| --- | --- | --- | --- | --- |
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Table 1: Roles and Responsibilities