Chapter 1 : Introduction

* 1. Purpose

This chapter provides an overview of the project including background information, a literature review of the existing system and raising a proposal for ideas of improvement.

* 1. Project Information

- Project name: Capstone Project Management

- Project code: CPM

- Project group name: FUCPM

- Product type: Web Application

- Timeline: Sep 1st 2020 –

* 1. The people
     1. Supervisor

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Full name | Phone | E-Mail | Title |
| Supervisor | Nghiêm Thị Lan Phương |  |  | Lecturer |

* + 1. Team members

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| --- | --- | --- | --- | --- | --- |
|  | Full name | Student code | Phone | E-mail | Role in group |
| 1 | Đỗ Đình Đức | SE04936 | 0968480997 | Ducddse04936@fpt.edu.vn | Leader |
| 2 | Bùi Trung Kiên | SE05182 | 0983268048 | Kienbtse05182@fpt.edu.vn | Coder |
| 3 | Nguyễn Ngọc Khánh | SE05045 | 0914092466 | Khanhnnse05045@fpt.edu.vn | Coder |
| 4 | Nguyễn Đức Long | SE05906 | 0978299648 | Longndse05906@fpt.edu.vn |  |
| 5 | Nguyễn Minh Khang | SE05904 | 0971091547 | Khangnmse05904@fpt.edu.vn |  |

* 1. Background

Each student studying at FPT University has a 4-year path to complete subjects according to the school's schedule. Each student must complete a graduation thesis to complete the final test of student time. This makes us think of a project to create a software that performs functions for students to register, discuss, complete deadlines, exchange with teachers ... It would be useful to reduce costs and time.

* 1. The Existing System

While there are already website that allow users to communicate, they all have certain problems. Below, we will go over a few website application and their problems.

* 1. The Proposal of system
     1. System functions

Allow the user.

* Student
* Sign up as a project profile
* See the information the teacher provides
* Rename project topic
* Project progress report
* Statistics work progress
* View report and feedback
* Evaluate the project making process
* Submit Capstone Project
* Lecturers
* See list of subscriptions
* Select a group of tutorial projects
* Accept / Reject rename the subject
* Statistics work progress
* Trainning department
* Accept / Reject rename the subject
* Student notice to change the topic
* Notice of group protection schedule
* Examination Council
* Result evaluation
  + 1. Out of scope functions

Because of the time limitation, we will not implement these following functions in the CPM initial version 1.0.0 release of the project but not permanently excluded, and will be developed in future version 2.0.0, although we are aware that they so also important:

* CPM application will support Japanese language.

Finally, we use some new approaches to solve the stated problems. Having awareness of the importance of new technologies, we aim at applying them to our project.

* + 1. Special approaches
* For backend system:

Spring Boot, Spring data JPA, Hibernate, SQL server.

* For frontend system:

HTML, CSS, Bootstrap