Project Proposal

E-learning Platform – IMT Solution

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| Team name | E-learning IMT | Team ID: 5 |
| Supervisor | Truong Phuoc Loc | tploc@fit.hcmus.vn |
| Client | Lam Vi Quoc | quoclv@imt-soft.com |

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| TEAM MEMBERS | | | |
| No. | Name | Email | Phone |
| 1 | Huynh Minh Tu | hmtu@apcs.vn | 0939634344 |
| 2 | Nguyen Phu Cuong | npcuong@apcs.vn | 01227190018 |
| 3 | Pham Thi Bich Ngoc | bichngocandjade@gmail.com | 0932673740 |

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| PROJECT | |
| Name | E-learning Platform |
| Duration | 6 months |
| Project sponsor | IMT Solution |

# **Skill and Knowledge**

After finishing the project, each individual should gain improvement in their knowledge as well as specific skills, namely:

## **Personal Skill**

* Time Management:

Because each individual have to be assigned to different part of the project, they have to manage their time carefully. It also because each task has a limited amount of time, so manage them carefully is a crucial task and need to be executed effectively in this project.

* Teamwork:

In the team, with involvement of 3 persons with different personalities, conflicts and disagreements in work are bound to happen. Without teamwork, the project may fall apart. That’s why each member must be able to cast aside their ego and learn how to work as a team, not as their own. Working altogether as a team will help to fulfill the client’s request and finish the final product on time with high efficiency.

* Communication Skill:

When working as the team, everyone voice matter. To reach high efficiency and save time, each member must be able to raise their voice in meeting, or expressing their own opinion about a certain subject, or even receive and learn from the feedbacks of others. They also must be able to negotiate with client about works, reach an acceptable agreement by persuade client what the best for the product.

## **Professional Skill**

* Document Writing

Each team member must be able to write the necessary documents for the product during and after the development process.

* Requirement Analysis

Each member must be able to analyze the necessary requirements and fundamental basic of the products to save time and reach higher efficiency.

* Task Management

The person who appointed as team leader must be able to coordinate and manage the team to fulfill task from the development of the product. Each individual also must be able to manage their assigned task in an effective way without encounter delays and dead end.

* Project planning

## **Technical Skill**

* Web programming: HTML/CSS
* Back-end Development: Sail JS
* Front-end Development: Angular 4 and Bootstrap
* Database Management: PostgreSQL
* JITSI platform
* Testing skill: unit test, integration test…
* Deployment and Maintenance

# **Proposal Detail**

## **Brief**

### **Role & Responsibility**

* Developing Team: students as the information supplied are responsible for the whole development process including requirement analysis, implementation, testing and improvement. The specific roles are: (note that these roles are interchangeable during the process during certain circumstances and in the developing process, participation of all is a must)

1. Scrum Master: Nguyen Phu Cuong
2. Front-end developer: Pham Thi Bich Ngoc
3. Back-end developer: Huynh Minh Tu

* Design Team:
* Supervisor: Mr Truong Phuoc Loc
* Client: Mr Lam Vi Quoc – IMT Solution

## **Vision/Objective**

1. Simplify the traditional documenting process by replacing them with a web application. All employees now only need to type information of a form by computer and they will be parsed directly to other forms that have similar information. Hence, they will have more time to complete other tasks and work more efficiently.
2. Create an interface for selling employees to work on pricing and give their customers fastest reply.
3. Manage the activity of “working-site group” and the data that are collected by them.
4. Manage the activity of equipment that are given to the employees at IER.

## **Scope**

The system is a website that has parts as mentioned above and a homepage which displays information about the Institute to help the clients contact them easier. The server is placed on the main center of IER and the domain is on negotiation since we are considering on get a proper domain (paid) or an unpaid one. All data and relevant documents are provided by IER with the help of Ms. Nguyen Thi Thanh Phuong.

## Proposed Solution

**Website**

Our priority will be placed in order as written in **Vision/Objective**.

**Frontend [ Description of the technology used for Frontend side]**

**Backend [Description of the technology used for Frontend side]**

## Proposed Action

## **Proposed approach**

In this project, our team focuses on tasks completing according to the need of our clients. Obviously we will complete other stuffs such as the database, the process needed for further implementation without the involvement but we will let the clients involve as much as possible to help them have the best product. Other priorities are not guaranteed to be completed in time due to its complexity and limited time resource. However, each team member is and will do their best to complete the project.

### **Chosen lifecycle model**

### **Applied methodology**

### **Resources required**

## Action Justification

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## **Necessary activities**

Technology research, Technical Training, Team meeting, Project Management, Brainstorming, Task Assignment, Idea Generation, Coding, Testing, Seminar.