**

**CAPSTONE PROJECT REGISTER**

Class: Duration time: from …./…/…. To …/… /…..

(\*) Profession: <Software Engineer> Specialty: <ES>  <IS>  <JS> 

(\*) Kinds of person make registers: Lecturer  Students 

1. Register information for supervisor (if have)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Full name** | **Phone** | **E-Mail** | **Title** |
| Supervisor 1 | Nguyễn Văn Chiến | 0986964972 | Chiennv33@fpt.edu.vn | Mr.Chien |
| Supervisor 2 | Trương Long | 0969394936 | Longt5@fe.edu.vn | Mr.Long |

2. Register information for students (if have)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Full name** | **Student code** | **Phone** | **E-mail** | **Role in Group** |
| Student 1 | Nguyễn Đức Thành | SE161668 | 0972609914 | Thanhndse161968@fpt.edu.vn | Leader |
| Student 2 | Cao Kiến Quốc | SE160271 | 0943471081 | Quocckse160271@fpt.edu.vn | Member |
| Student 3 | Hồ Trung Hiếu | SE171295 | 0981124729 | Hieuhtse171295@fpt.edu.vn | Member |
| Student 4 | Dương Trung Tín | SE161835 | 0948012292 | tindtse161835@fpt.edu.vn | Member |

3. Register content of Capstone Project

(\*) 3.1. Capstone Project name:

English: **Agricultural Supply Distribution Management Software**

Vietnamese: **Phần mềm quản lý hệ thống phân phối vật tư nông nghiệp**

Abbreviation: **ASDMS**

1. Context

**Agricultural Supply Distribution Management Software** is developed to support Minh Long Plant Protection Company Limited in comprehensively managing business activities, product distribution and goods delivery. The system is tightly integrated with the company's ERP software, providing main functions such as: Login and Account Management, Plan and Work Management, Order and Delivery Management, Reports and Notifications, Promotion Programs and QR Code Management.

1. Proposed Solutions

**Agricultural Supply Distribution Management Software** allows users to efficiently manage and track their distribution processes across multiple stages. The platform allows users to post and manage sales orders, track deliveries, and manage inventory requirements, ensuring that all processes are streamlined. Through the system, business representatives can easily create and track work plans, update KPI progress, and manage customer relationships. Additionally, managers can access real-time reports on sales performance and outstanding debts, helping to optimize decision making.

With this solution, users can easily monitor every aspect of the distribution chain, from creating sales orders to tracking product deliveries, ensuring that the entire workflow is managed efficiently and effectively**.**

1. Functional requirement
   * Functional for the Sales department
     + Home screen
     + Work plan
     + Order placement
     + Material request
     + KPI plan
     + Task assignment
     + Policies
     + Product information
     + Notifications
     + Reports
   * Functional for Technical, Marketing, and Management
     + Home screen
     + Work plan
     + Material request (For Technical and Marketing only)
     + Approve material request (For Management only)
     + Approve orders (For Management only)
     + KPI plan
     + Task assignment
     + Policies
     + Product information
     + Notifications
     + Reports
   * Functional for Debt Collection
     + Home screen
     + Work plan
     + Debt collection form
     + Task assignment
     + Notifications
     + Reports
   * Functional for Delivery
     + Delivery
     + Task assignment
     + Notifications
     + Reports
   * Functional for Agents
     + Policies
     + Product information
     + Notifications
     + Reports
2. Non-functional requirement:
   * The system is capable of keeping track of the user at the time when the user performs important processing functions in the system.
   * Unicode font.

(\*) 3.2. Main proposal content (including result and product)

1. Theory and practice (document):

* Students should apply the software development process in the modelling system.
* The documents include User Requirement, Software Requirement Specification, Architecture Design, Detail Design, Testing Document, Installation Guide, User Guide, Sources Code.
* Server-side technologies:
* Server: Java Spring Boots
* Database Design: MySQL
* Client-side technologies:
* Web Client: HTML5, CSS3, Javascript, ReactJS, TypeScript
* Mobile App: React Native

1. Products:

* Mobile/Web App for Timeshare Trading
* Mobile/Web App for Timeshare Management
* Web App for Admin

1. Proposed Tasks:

* Task package 1: Develop the application.
* Task package 2: Build and Test the system.
* Task package 3: Prepare all the required documents: System analysis and Design, Test plan, Installation manual, User manual.

4. Other comment (propose all relative thing if have)

……………………………………………….

|  |  |
| --- | --- |
| **Supervisor (If have)**  *(Sign and full name)* | ……………….., date …./…../………….  **On behalf of Registers**  *(Sign and full name)* |