

**CAPSTONE PROJECT REGISTER**

**Class: Duration time: From 12/05/2025 To 30/08/2025**

(\*) 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** |
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| Supervisor 1 |  |  |  |  |
| Supervisor 2 |  |  |  |  |

1. **Register information for students (if have)**

| # | **Full name** | **Student code** | **Phone** | **E-mail** | **Role in Group** |
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1. **Register content of Capstone Project**

**3.1. Capstone Project name**:

* English: *<< Enter the official English name of your capstone project here >>*
* Vietnamese: *<< Enter the official Vietnamese name of your capstone project here >>*
* Abbreviation: *<< Enter a short abbreviation or code for your project, e.g., GCIF >>*

1. **Context**

*<< Describe the background of the problem your project is solving. Focus on the current issues faced by students, lecturers, or institutions. Mention relevant location or program if applicable, e.g., FPT University Quy Nhon. >>*

1. **Proposed solutions**

*<< Outline the main ideas or approach your system/platform/app will use to solve the problems described above. Include any technologies, strategies, or innovations. >>*

1. **Functional requirements**

**User Roles and Their Functions**

*<< Describe the key functionalities of the proposed system without dividing by user roles. Focus on what the system allows users to do, including management tasks, AI support features, and process workflows. >>*

1. **Non-Functional:**

*<< Mention performance expectations, UI/UX quality, and technology stack (e.g., fast load time, responsive design). >>*

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

1. **Theory and practice (document):**

* Produce documents including:
* User Requirement
* Software Requirement Specification
* Architecture Design
* Detail Design
* System Implementation
* Testing Document
* Installation Guide
* Source code
* Deployable software packages
  + Server-side technologies:
* Server: .NET Core/Spring Boot/NodeJS/Python
* Database System: SQL Server/MySQL Server/Postgre/MongoDB
* Redis for caching
* Docker for containerization
  + Client-side technologies:
* React/Angular for the web application.
* Web Client: HTML5, CSS3, JavaScript, ReactJS/Angular
* Mobile: Flutter or React Native

1. **Program:**

* RESTful API system that supports all client-server communication.
* Web app for users

1. **Proposed tasks for students:**

* Task package 1: Design and implement database schema for the system.
* Task package 2: Select AI model to suggest thesis or members for groups.
* Task package 3: Backend API development.
* Task package 4: Frontend development.
* Task Package 5: Perform system testing, optimize performance, package, and deploy the application.
* Each work group may have many students participating, but there will be 1 member responsible for the main responsibility.
* Notice: All students are required to understand the reference documents thoroughly and may need to explain to the viva committee.

**3.3. Other comment** (propose all relative thing if have)

The system should be designed with the potential for expansion to other universities in Vietnam

| **Supervisor (If have)**  *(Sign and full name)* | Quy Nhon, 18 May, 2025  **On behalf of Registers**  *(Sign and full name)* |
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