**The first week assignments**

**( MSIS3303.N22. CTTT)**

**A. TOPIC 1: TEACHING MANAGEMENT**

**1. Situation survey**

**1.1. Survey of the organization**

**Diagram

Description automatically generated**

**University:**

-Have many facilities.

**Faculty:**

-Manages many lectures.

-Manages subjects and classes

-Manages projects – annual theses

-Checking, adjusting, and sending reports to the teaching department

-Assign duties to lectures: teaching, academic advisor, making topics, guiding and evaluating the projects – annual theses.

**Organization Department:**

-Managing the curriculum vitae of the lecturers.

**Lecture:**

-Teaching in other training units of other provinces or cities.

-Making topics, guiding, and evaluating (commenting and scoring) the projects

-Serves as the academic advisor of a regular classroom.

-Declares the amount of work in the semesters of the school year.

**The teaching department**

- Calculating teaching fees for lecturers.

**1.2. Survey of business processes, major activities**

**-Manage lectures**

**-Manage subjects and classes**

**-Manage project – annual theses**

**-Manage academic advisor**

**-Calculating the number of standard period in teaching and teaching fees for lectures.**

**1.3. Survey of the existing system**

**2. Requirements determination**

**2.1. Functional requirements**

**-Storage:**

* **Faculty information:** Faculty ID, name, ….
* **Lecturer information:** Lecturer ID ,Name ,teaching title,….
* **Class information:** Class ID, name, industry, course ,institution,name , number of students , academic advisor ,…
* **Subject information:** Subject ID, name, category, …
* **Project information:** ID, topic, category, instructor, reviewer ,…

**-Query**

* Faculty information based on: ID, name, topic.
* Lecturer information based on: ID, name , title.
* Class information based on: ID , name , advisor , industry and institution name

**-Calculate**

* **Determine the teaching coefficient** based on the class size.
* **The standard period:** depends on the property of the subject (teaching / Making topics, guiding and evaluating / being academic advisor)and coefficient.
* **Calculating teaching fees for lecturers** based on the amount of **standard period** in the semesters of the school year.

**-Statistic report**

* Faculty check, adjusting, and sending reports to the teaching department.
* The teaching department receive worktable and calculating teaching fees based on it.

**2.2. Non-functional requirements**

* GUI requirements: Friendly interface, easy-to-use, minimal.
* Security: Only faculty and anyone with legal permission can access and manage the inform in system.
* Constrains transaction/processing time.
* Stability and reliably: Frequently backup the data.