COMPUTER ENGINEERING DEPARTMENT

Graduation Project Proposal Form

CMPE 405 /CMSE 405 /BLGM 405

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| Instructor Name: | Prof. Dr. Ekrem Varoğlu |
| Project Title: | A WEB BASED SOFTWARE SYSTEM USING A DATABASE (Subject to change and refinement) |
| Number of team members: |  |
| Semester & Year: | 2023-24 Spring |
| Type of Project (HW/SW): | SW |

# Project proposal should be in accordance with ABET requirements, which are stated as: “The curriculum must include a culminating major engineering design experience that 1) incorporates appropriate engineering standards and multiple constraints, and 2) is based on the knowledge and skills acquired in earlier course work.”

# 1. Project Overview

The aim of this project will be to allow senior level students in software or computer engineering students top apply the knowledge they have acquired in their junior level courses such as programming languages, databases, web development, system analysis and design and develop a full software system meeting the needs of an organization.

**2. Detailed specification of the project**

A group of students of 3 or 4 will take on the task of developing a software system that will meet the requirements of a corporation. This will involve the analysis and design of the system, construction of a database and using the database with a user interface created using one of the popular high level languages. The examples may include a school system, aviation system or a healthcare system however*the exact details of the system will be discussed with the students and decided upon investigating their interests and abilities. The final approval on this issue will be given by the course supervisor*.

# 4. Standards that should be used in the project

Standard Software Engineering standards

# 5. Constraints

# None

# 6. Tasks to be completed by students

# See above

# 7. Tools Required/Expected to be used in the development of the project

# 8. Resources Required (HW/SW/Data, etc.)

: Students in their 6th or 7th academic semester who have achieved excellent grades in their programming and database courses may apply. Good command of English language in both speaking and writing is a must. Ability to work in groups is neede

# Complete list of Project Deliverables Expected at the End of Project Completion

|  |  |
| --- | --- |
| Deliverable | Description |
| IT support software | Solutions to improve customer relations |
|  |  |
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|  |  |

(add more rows as needed)

# 10. Other related information

Hints and ideas that will help students in the development of the project. These may include pointers to similar projects, resources such as books, web sites etc.