MINI PROJECT
EEX3467 SOFTWARE ENGINEERING AND CONCEPTS
Batch 1 and 2
ACADEMIC YEAR 2022
BACHELOR OF SOFTWARE ENGINEERING
Center for IT Educational Services (CITES)
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
THE OPEN UNIVERSITY OF SRI LANKA

Mini Project report due date 06th May 2022. Late submissions will not be accepted

Date of the Viva-Voce Examination will be notified via the LMS closer to the report submission date.

Evaluation Criteria

Important: Students should obtain a mark of 40% or more for the mini project to gain eligibility to sit for the final examination of this subject.

Marks for the Mini Project consists of two components:

1. **40% for the The Mini Project report**: To be uploaded to the Drop box provided in the LMS by due date. Late submissions will not be accepted.

2. **60% for the Viva-Voce (oral) Examination**: This will take upto 15 minutes. Date and time will be announced in the LMS closer to the submission deadline.

Important:

Attending the viva-voce (oral) examination is compulsory. Those who do not attend the viva-voce examination will score Zero marks for the mini project.

Those who do not submit the report by due date will not be allowed to attend the viva-voce examination and will score Zero marks for the mini project.

Copying from work done by other students, direct reproduction of content from the Internet, text books or other sources without proper referencing is plagiarism and constitute an examination offence. Submissions with plagiraised content will be given a zero mark.

Answers should be clear.

Mini-Project Description

For the mini project, you need to analyze and design a software solution using Object Oriented Design principles for a **Library** (You can use your local library or any other library you have access to for this purpose). You should carry out the following tasks and submit a report on your work:

1. Familiarise with the current system used in the library selected by you. You may visit the **Library** physically or use an online method for this purpose.

2. Identify the stakeholders of the system

3. Select one Requirements elicitation method (e.g. Interview or Focus group meeting) and gather the requirements of the system to be developed

4. Identify the functional and non-functional **requirements** of the proposed system

5. Illustrate the requirements of the proposed system using a **Use Case diagram**

6. Write at least 1 **Use Case narrative** for a business process in the above Use case diagram

----

Mini Project Report (**40% of the total mark for the mini project**)

You may use the following topics as guidelines when preparing the report. You may add or modify any topic as necessary.

1. Introduction
   a. Introduction to the report
   b. You may write the name and address of the Library that you selected and details of the contact person from the Library
   c. Any other relevant details
2. Stakeholders of the system
3. Requirements Elicitation Methodology
4. Functional and Non-functional Requirements
5. Identify the business Actors
6. Requirement Analysis: - A complete Use case diagram
7. Use case Narrative
8. Discussion and Conclusions
9. References
10. Appendix – If any

Viva-Voce Examination (60% of the total mark for the mini project)

The oral examination will be based on the following areas.

- · Theoretical background
- · Explanation of the system
- · Issues faced when designing the system
- · Advantages and Disadvantages
- · Any other related matters