Course Outline

CSE 400 –Thesis/ Project

# 1.1: Introduction

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| Instructor Faculty members  Dept. of CSE, NEUB Email cse@neub.edu.com Class Schedules: No Class is required. Student should attend meeting with supervisor every week. Consultation Hours Contact Supervisor | Course Overview Final year thesis / project is a two semester long works assuming students have learned all the required knowledge to complete a full-fledged project or thesis. CSE 400 is the first part and next work on the same title will be continued to next semester as CSE 404 to complete a presentable work. Upon completing CSE 400, students should be able to do design professional project /thesis, and how to present them. Prerequisite:  * For project: 110 credits must be completed. * For thesis: 110 credits with a minimum CGPA of 3.25 must be completed.  Reference Materials  * Thesis / Project Presentation guideline * Report writing guidelines. |

# 1.2: Course Learning Outcomes

The intended learning outcomes from this course are as follows

**1.2.1: Thesis**

* To be able to do literature study.
* To be able to find the research question.
* To be able to construct hypothesis.
* To be ale to propose method to solve the problem.

**1.2.2: Project:**

* To be able to complete a requirement analysis of a project.
* To be able to design Algorithm/ ER /UML / 3d /circuit
* To be able to formulate a problem.
* To be able to design GUI/ Front-End / Database / Algorithm

# 1.3: Course Requirements

**1.3.1: Thesis**

* Background Study
* Hypothesis
* Propose method
* Coding implementation will be appreciated.

**1.3.2: Project**

Expectation may be slightly changed due to nature of the projects. Keep contact with the supervisor for guidelines.

* For all: Requirement Analysis
* Background Study
* Coding implementation will be appreciated.

**1.3.2.1: Database-based Project (web, android, desktop)**

* ER diagram
* Database
* 100% of Front-end including Admin Panel
* 50% of Backend including login/logout, data transfer between database and project.

**1.3.2.2: Hardware-based Project**

* Conceptual design (3d, sketch, circuit)
* Interfacing with software.

**1.3.2.3: Software / App**

* UML / Activity design
* GUI design
* 60% work.

**1.3.2.4: Algorithmic / Networking and Others**

* Propose method design with description.
* 60% work.

# 1.4: Grading Policy

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| --- | --- | --- |
| Grading | Marks | Remarks |
| Mid Semester | 20 marks | Board |
| Semester Final | 80 marks | |  |  | | --- | --- | | Report | : 20% | | Supervisor | : 30% | | Board | : 50% | |

# Report will be reviewed by two faculty members and average marks will be counted.

* Board consist of all the faculty members present in the presentation.
* Report submitted after deadline will be incur 25% deduction of marks.

# Grades and grades point will be based on the following criteria.

|  |  |  |
| --- | --- | --- |
| **Marks Range** | **Letter Grade** | **Grade Point** |
| 80% and Above | A+ | 4.00 |
| 75% - 79% | A | 3.75 |
| 70% - 74% | A- | 3.50 |
| 65% - 69% | B+ | 3.25 |
| 60% - 64% | B | 3.00 |
| 55% - 59% | B- | 2.75 |
| 50% - 54% | C+ | 2.50 |
| 45% - 49% | C | 2.25 |
| 40% - 44% | D | 2.00 |
| Less than 40% | F | 0.00 |

# 1.5: Schedule

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| **Name** | **Schedule** |
| ERD/UML/Hardware design submission |  |
| Mid Presentation | 12th March, 2020 |
| Semester Final Presentation | To Be Announced |
| Report | To Be Announced |

* For presentation: check the presentation guideline.
* For report: check the report writing guideline.
* Three copies of the final report should be submitted as book-binding.

# 1.6: Other policies

* NA