

Course Title: Educational Project

Course No. : ICT. Ed. 479

Level: Bachelor

Semester: Seven

Nature of Course: Practical

Credit Hours: 3

Teaching Hours: 80

1. Course Description

This course requires students to complete a major information systems project. Students are to demonstrate a capacity to work in the computing field at a professional level. Students are expected to manage their resources to initiate, plan, estimate, and carry out educational information systems project accordance with appropriate standards. It develops students' skill regarding analysis, design and development of meaningful real world application. This course is to introduce to plan and complete project work related with Computer software under the supervision of an instructor or a supervisor.

2. General Objectives

On completion of this course, the students will be able to:

- Develop the ability of a student to tackle, a selected problem to a reasonable depth of understanding
- Develop the ability of a student to organize and produce a professional software/website
- Develop the ability of a student to produce technical documentation to a high standard
- Develop the ability of a student to produce an analytical report which communicates the work carried out in the project and evaluates the final product and the student's contribution

3. Description of the Project Work

The work carried out must be a practical, problem-solving project. It should be a realistic project in the sense that the product should be useful practically as far as possible.

3.1 Group formation

Students can perform project individually or in a group (maximum of 4 students).

3.2 Procedure

The students should exercise the following three phases for this course.

- Proposal Submission
 - Mid-Term Defense
 - Final Project Submission and Defense
- a. Proposal Submission:
- Students(s) prepares proposal document in the prescribed format and submits to the Department of ICTE in the College.
 - The HOD/Program Coordinator or a panel coordinated by him/her evaluates the proposal with or without a presentation from the student(s).
 - If the proposal is accepted; a Supervisor is assigned by HOD/Coordinator depending upon the nature of the project
- b. Mid Term Defense:
- The project team has to face a Mid Term Defense after first 40% to 60% of the project duration so that the supervisor and internal evaluator are assured of the progress of the project.
- c. Final Defense:
- Project team submits a complete project report in the prescribed format to the department
- The department then schedules the day for final defense
 - External Supervisor will be decided and will be called for the final defense
 - The project team needs to give presentation, followed by viva question answer session.

3.3 Prescribed Format of the Proposal

- Introduction
- Problem Statement
- Objective
- Scope and Limitation
- Methodology
 - a. Requirement Identification
 - Study of existing system
 - Requirement collection
 - b. Feasibility Study
 - Technical
 - Operational
 - Economical
 - c. Tools
 - Analysis and Design Tools
 - Implementation tools (Front End, Back End)
- High level design of Proposed System (by system flow chart, use cases or other appropriate diagrams)
- Gantt Chart to show the project planning.
- Expected Outcome

3.4 Prescribed Format of the Project Report

The sequence in which the project report material should be arranged is as follows:

- Cover page and Title
- Candidate's Declaration
- Supervisor's Certificate/ Recommendation
- Internal, External Examiners' Approval
- Acknowledgements
- Executive Summary
- List of Figures
- List of Tables
- Abbreviations
- Table of Contents
- Main Body
- References / Bibliography
- Appendix

3.5 Number of Copies to be submitted to the Department

Three hard copies of the report are to be submitted to the Department after corrections done as suggested by guide/Department at any time when report submission is called by guide/Department. The total numbers of reports to be prepared are three:

- One copy to the college
- One copy for University
- One copy to candidate

Before taking the final printout, the approval of the concerned guide is mandatory and Suggested corrections, if any, must be incorporated. The reports submitted to the department/guide(s) must be hard bounded with black cover with golden color alphabets.

3.5 Standard to be followed

The report must be printed on one side only. Please use a high-resolution printer, preferably a laser printer with at least 300 dpi.

A. *Page Layout*

Your paper must use a page size corresponding to A4 which is 210mm (8.27") wide and 297mm

(11.69") long.

The margins must be set as follows:

- Top = 1 inch
- Bottom = 1 inch
- Left = 1.25 inch
- Right = 1 inch

B. *Page Style*

- All paragraphs must be indented. All paragraphs must be justified aligned with 1.5 spacing

C. *Text Font of Entire Document*

- The entire document should be in Times New Roman.
- The font size has to be 12pt throughout

D. *Section Headings*

- No more than 3 levels of headings should be used.
- Font size for the headings will be 16pt, 14pt, 12pt bold

E. *Figures and Tables*

- Position figures and tables at the tops and bottoms pages. Tables and figures may be full-page width or may be partial page.
- Width with wrap on either side.
- Figure captions should be centered below the figures. Table captions should be centered above.
- Caption font size: Times New Roman 10pt bold
- Table Numbering: ChapterNo.TableCount (eg. Table 1.1, Table 1.2, Table 3.1, Table 3.5)
- Figure Numbering: ChapterNo.FigureCount (eg. Figure 2.1, Figure 2.4, Figure 5.1)

F. *References*

- For reference students must follow APA (latest version) format.

4. Evaluation:

Proposal	Mid-Term Defense	Final Defense	Total Marks
10 Points	30 Points	60 Points	100 Points

4.1 Evaluators:

- Project Supervisor (Mentor of the project) -40%
- Internal (HOD/Program Coordinator or decided by Coordinator) -20%
- External Supervisor -40%

4.2 Duration (for 1 group)

- Presentation 20 minutes
- Viva 15 minutes
- Demonstration 15 minutes
- Report checking 10 minutes