

Course Title: Internship

Credit: 4

Course No: CSIT.422

Nature of the Course: Project

Year: Fourth, Semester: Eight

Level: B. Sc. CSIT

1. Course Introduction

Practical experience in a formal work environment is a valuable aspect of a Computer Science or Computer Systems curriculum. The intent of the CS Internship program at Far Western University is to provide students with an opportunity to earn academic credit while gaining work experience at a business, government, or other institutional computer center. Students are employed on a full-time basis typically for a three to five month period. The hours, wages, and benefits associated with the job are determined by the employer prior to hiring the intern. Although tasks assigned to the student usually correspond to the student's educational background, new and exciting challenges may be encountered. Additional formal or informal training may be provided by the employer either on-site or off-site. Computer Science-related tasks, such as, network design and installation, software programming, testing, documentation, and user training would be considered as appropriate job duties for an intern. The student must be working under a mentor or expert that can provide training and guidance to the student.

2. Objectives

Students will be able to do the following:

- Apply what they have learned in the classroom.
- Learn concepts in the computing field that are difficult to teach in the classroom, such as user interaction, testing, etc.
- Experience the business and industrial environment in which a computer professional must learn to function.
- Grow professionally, emotionally, socially and intellectually.
- Sharpen their focus on career goals and course selection to reach those goals.
- Develop writing skills that are necessary in the professional world of computing.

3. Tentative Internship Report Format

The final report documents the results of the project and should be submitted within 1 week after finishing final examination. Students should use Times New Roman Font and Line spacing 1.5 while formatting their project report. Tentative project report format should be as per following outline:

Front Part

- Cover Page
- Students Declaration
- Supervisors Recommendation
- Letter of Approval
- Acknowledgement
- Abstract
- Table of Contents
- List of Figures
- List of Tables
- List of Abbreviations

Body Part

a. **Organization Overview**

Explain which company you interned with, where the facility was located, what the business of the company is, organization chart etc.

b. **Responsibilities Handled**

Explain the area you worked in and the main emphasis of your internship, Duration of Internship.

c. **Discussion of Projects**

Discuss in detail the areas of responsibility you had to deal with during your internship. Although this is an overview of your internship experience, include technical details about the projects you worked on. How many lines of code? What technologies, languages, tools, systems were used? Discuss the significance of your efforts relative to the company's operations.

d. **Summary and Conclusions**

Summarize your work and learning experience. Explain how the internship either reinforced or changed your career goals. Discuss any new perspectives you obtained because of this experience. Elaborate on the benefits you realized from the internship. Did you face any challenges or difficulties in your assignments? How did you solve these issues? In what ways did you apply what you have learned in your graduate courses to the internship?

End Part

- References
- Bibliography
- Appendices

Note-Referencing and Citation should follow IEEE style.

4. Evaluation System

Internal Evaluation:-40% (by mentor and supervisor)

- **Proposal Defence:-10%**

Needs to be evaluated in following basis

- Organization Selection
- Relevance of students intern area with CS
- Presentation
- Viva
- **Mid Term Evaluation:-30%**
Students are expected to gained some experience and worked in projects. Evaluation should be done following basis
 - Efforts Made by Students
 - Report
 - Presentation
 - Viva

External Evaluation: - 60% (Supervisor/Mentor:-30%, External Examiner:-30%)

External evaluation should be done in the presence of external examiner and evaluation should be done following basis

- Internship Report
- Depth of Learning and Experience Gained
- Presentation
- Viva