National University of Engineering (UNI)
School of Computer Science
Syllabus 2024-II

1. COURSE

CS400FCCS. Pre-professional internships (Mandatory)

2. GENERAL INFORMATION

2.1 Course	:	CS400FCCS. Pre-professional internships
2.2 Semester	:	9^{th} Semester.
2.3 Credits	:	3
2.4 Horas	:	2 HT; 2 HP;
2.5 Duration of the period	:	16 weeks
2.6 Type of course	:	Mandatory
2.7 Learning modality	:	Face to face
2.8 Prerrequisites	:	None

3. PROFESSORS

Meetings after coordination with the professor

4. INTRODUCTION TO THE COURSE

This course enables students to apply knowledge acquired during their academic training in a real work environment, under the supervision of a company and the university. Professional internships are essential to develop technical, ethical, and teamwork competencies, ensuring students gain hands-on experience in projects related to Computing.

5. GOALS

- Evaluate student performance in a real work environment, applying Computing principles.
- Develop professional, ethical, and teamwork skills in an industry setting.
- Ensure internship activities align with the program's learning outcomes.

6. COMPETENCES

4) Recognize professional responsabilities and make informed judgments in computing practice based on legal and ethical principles. (Assessment)

5) Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline. (Assessment)

AG-C02) Ethics: Applies ethical principles and commits to professional ethics and standards of computing practice. (Assessment)

AG-C03) Individual and Teamwork: Performs effectively as an individual and as a member or leader in diverse teams. (Assessment)

7. TOPICS

Unit 1: Performance Evaluation in Professional Settings (48 hours)	
Competences Expected: 4,5,AG-C02,AG-C03	
Topics	**Learning Outcomes**
• Integration into a professional work team. • Application of technical skills in real-world projects. • Assessment of ethical and professional conduct. • Reporting and feedback from the company and university.	• Demonstrate technical skills in a professional environment [Evaluar]. • Apply ethical and professional principles in their work [Evaluar]. • Collaborate effectively in teams and communicate professionally [Evaluar].
Readings : [**ACMInternshipGuide**], [**IEEEProfessionalPractices**]	

8. WORKPLAN

8.1 Methodology

Individual and team participation is encouraged to present their ideas, motivating them with additional points in the different stages of the course evaluation.

8.2 Theory Sessions

The theory sessions are held in master classes with activities including active learning and roleplay to allow students to internalize the concepts.

8.3 Practical Sessions

The practical sessions are held in class where a series of exercises and/or practical concepts are developed through problem solving, problem solving, specific exercises and/or in application contexts.

9. EVALUATION SYSTEM

********* EVALUATION MISSING ********

10. BASIC BIBLIOGRAPHY