

Final Year Project I

Course # COMP 4811

Credits 5

Prerequisites and/or Corequisites: Software Engineering

Course Description

The Final Year Project I (FYP- I) is the first part of an engineering project that students must complete as the fulfillment of their bachelor's degree. The software engineering project aims to solve complex engineering problems and design systems or components that integrate core computation areas and meet specified customer needs, considering public health and safety requirements as well as economic, cultural, societal, and environmental aspects of project management. Before students develop an application, they conduct research on their project using the required methodology. Students develop a proposal for the project and plan and design it. The project supervisors monitor students' continuous progress during regular meetings. Finally, students prepare a project report and present their work. This course gives students the opportunity to develop their analytical, practical, and communication skills.

Course Learning Outcomes

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

- Apply concepts and methods of software engineering to solve complex problems
- Develop solutions to complex software engineering problems regarding public health and safety, cultural, societal, and environmental requirements
- Design, plan and propose a project according to user requirements
- Identify project development methodologies appropriate for the project
- Prepare project documentation following the principles of academic conduct

Course Assessments and Grading

Item	Weight
Project Proposal (split into several assignments)	30%
Project Draft Report	20%
Project (partial implementation 50%)	30%
Presentation	20%