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College of Engineering - Department of Electrical Engineering

Bachelor of Science in Computer Engineering

CpE 418: SOFTWARE DESIGN
2nd Semester A.Y. 2024 – 2025

LABORATORY 1

Activity: Requirements Analysis

Objective: Understand the software's goals, user needs, and limitations. Identify the software development lifecycle model you are going to use.

Activities:

- **Analyze Requirements:** Review both functional and non-functional requirements (e.g., performance, scalability, security) gathered during the requirements phase. Identify the core features needed for the application, understand user needs, and consider any constraints (technical, business, regulatory).
- **Component Design:** Identify the key components of the application, including front-end, back-end, and database layers, and define their responsibilities.
- **Methodology:** Identify the SDLC methodology.

Outcome: A clear understanding of the application's goals, user needs, and technical requirements, leading to what technologies will be used, and how the components will interact.

Prepared by:

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