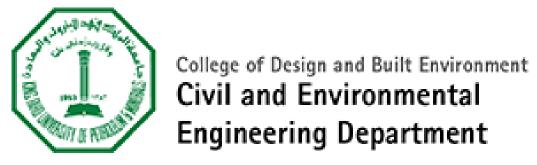
King Fahd University of Petroleum & Minerals



CE-411-Senior Design Project

Term: 2--

Name of students and KFUPM ID Numbers:
1
2
3
4
Name of Advisor(s):
Title of Project:
Team Work (role of each student)
1.
2.
3.
4.
Software Used:
Design Codes:
Design Constraints:
Multi-Disciplinary Areas:

FINAL REPORT OUTLINE

- I. Acknowledgements
- II. Abstract

Table of Contents

Page Number

List of Tables

List of Figures

Chapter 1: Introduction

- 1.1. Problem Statement
- 1.2. Goals and Objectives
- 1.3. Solution

Chapter 2: Literature Review

Chapter 3: Methodology

Chapter4: Analysis

- 4.1 Manual calculations
- 4.2 Software Output
- 4.3 Discussion

Chapter5: Conclusions, and Recommendations

- III. References
- IV. Appendices (if applicable)

FINAL REPORT CONTENTS

- 1. Title page that should include Project Title, List of Team Members, Senior Project Advisor(s), Examiners, and Date of Submission.
- 2. Executive summary:
 - Includes a brief description of the objectives of the project
 - Cites the main constraints (design, economics, safety, environment)
 - Includes main findings of design results, and other analysis.
- 3. Acknowledgement
- 4. Table of Contents
- 5. List of Figures
- 6. List of Tables
- 7. Introduction:
 - Explain the project and its location.
- 8. Project statement
 - Clear description of the project objectives.
 - Cites overall design constraints, economic constraints, safety, and environmental constraints.
- 9. Manual calculations.
 - Assumptions and basis, rates, and so on.
 - Clearly state the desired unknown variables. Hand calculations are required.
 - Computer applications are also required with details described in the appendix.
 - Comments and discussion of the overall results.
 - Comparison between hand and computer calculations is encouraged.
- 10. Detailed Design
 - Detailed design of at least 1 unit per student.
 - Summary of design results.
 - Discussion of design results.

FINAL REPORT FORMAT

Typing Specifications

Page Format – Line Spacing: one and half spacing

• Font Size: 12 point for the body text, maximum of 14 point (Bold) for section headings

• Left/Right Margins: 2.54 cm

• Top/Bottom Margins: 2.54 cm

- Page Limit The page limit for the report is 60 (Others should be in the Appendices).
 - There is no page limit to Appendices.
 - Title Page: The Title of the project, followed by names of team members, the Advisors, Coordinators, Department, Fall/Spring AY 211x 222x, and date of submission.

Units

- Units of all quantities must always be mentioned, e.g., 5 kg, etc
- Use the same unit system throughout the report (SI units, with British units in parenthesis)

Figures, Tables, and References

- All figures, tables, and graphics should be inserted close to where they are described and numbered. A list of figures and tables is also required.
- Figure captions should be directly below the figures.
- Table captions should be above the Tables.
- References: A list of references must be provided at the end of the report and arranged in the order of citation in the text. All references should be cited in the text.
- The number of the reference citation is to be reported consecutively in square brackets.
- The references must be complete and precise, e.g., name of the author (Book, Encyclopedia); title, volume, page number, year month, editor, and electronic address.

Calculations

- All calculations must be hand calculated, detailed, explained, and referred to figures and illustration whenever necessary with proper units.
- Software Packages can be used in addition to hand calculations but must not replace hand calculations.
- All symbols must be defined in nomenclature at the beginning of the report.
- All equations must be numbered and typed using equation editor with 12" size and Times
 New Roman Italic type