Kingdom of Saudi Arabia
Jazan university
College of Engineering
Civil Engineering Department

Project Title, Times New Roman, 24 pt, Bold

By

Team Members   **University ID**

PROJECT ADVISOR

Name of Supervisor, Times New Roman, 16pt, Bold

A Senior Project report submitted in partial fulfillment
of the requirement for the degree of BACHELOR OF Science (B.Sc.)

in
Civil Engineering

(Year)

Kingdom of Saudi Arabia
Jazan university
College of Engineering
Civil Engineering Department

Project Title, Times New Roman, 24pt, Bold

APPROVAL RECOMMENDED:

Examination Committee ……………………………………………

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……………………………………………

……………………………………………
PROJECT ADVISOR

……………………………………………
Date

……………………………………………
DEPARTMENT HEAD

……………………………………………
Date

……………………………………………
DEPARTMENT HEAD

……………………………………………
Date

APPROVED:

…………………………………………………………………………
DEAN, COLLEGE OF ENGINEERING

…………………………………………………………………………
DATE

ABSTRACT

Title of Project, Times New Roman, 18pt, Bold

Senior project submitted to the Civil Engineering Department

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DEDICATION

We dedicate this work to our parents and brothers who has given the financial and moral support throughout the duration of project.

ACKNOWLEDGEMENT

This project was written under the direction and supervision of *(Name of the Supervisor, Times New Roma, 12pt, Bold)*. We would like to express my sincere appreciation to him for the interest and assistance given to me.

TABLE OF CONTENTS

(NOTE: Insert the table of content using command in the MS word)

LIST OF FIGURES

LIST OF TABLES

NOMENCLATURE

Symbols	DESCRIPTION	UNITS
a	acceleration	m^2/s
g	gravity acceleration	m^2/s
P	Pressure	Pa

CHAPTER 1: INTRODUCTION

1.1   General

All the first heading should be in Times New Roman, 14pt, Bold. Make the Introduction as first heading. Write few sentences about the problem in Times New Roman, 12 pt with Double spacing between the line…………………………………………

1.2   Problem Statement

Write the Problem Statement in Times New Roman, 12 pt with Double spacing between the line…………………………………

1.3   Project Objective

Write the Project objective in Times New Roman, 12 pt with Double spacing between the line…………………………
Start each Chapter on new page.

CHAPTER 2: DESIGN APPROACH

2.1   Project Description

Write the project description in this section.

(*Example: This senior design project is intended to design foundation system of a high-rise building in the Jazan near the red sea. Foundation is the lowermost part of any structure. The performance of the super structure depends on the performance of the foundation.*)

2.1.1   Second Heading (if required)

Write the content of second heading if it is required. The Figures and Tables should have a caption as below and must be explained within the text of the body.
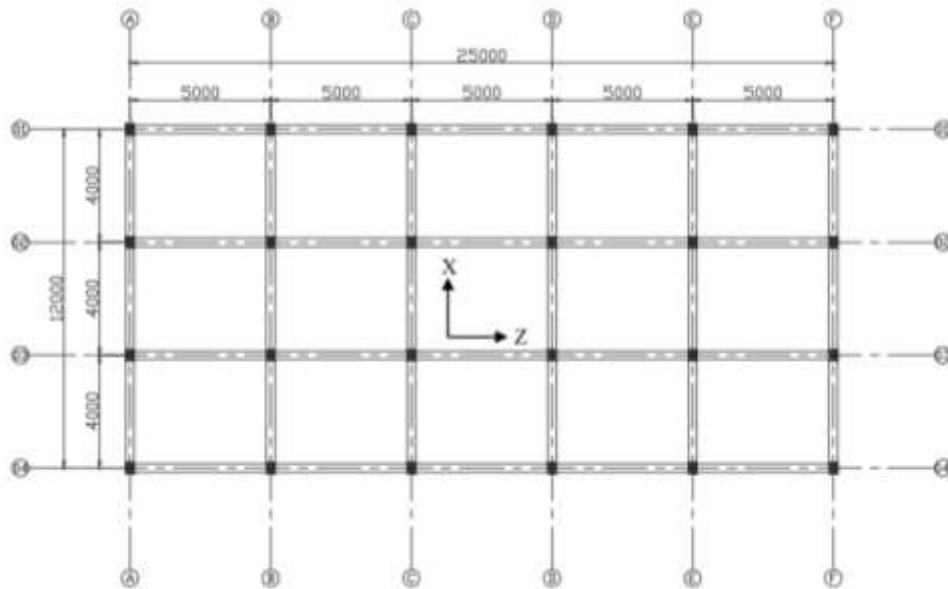

Figure 1: Plan of the building taken into consideration

Table 1: Values of different factor in the equation given by Purkayastha and Char (1977)

D_f/B	a	k
0.00	1.862	0.73
0.25	1.811	0.785

2.2   Proposed Solution (Minimum 2 Alternatives)

Write the proposed solution in under this heading in Times New Roman, 12 pt.

2.2.1 Alternative 1

Write about the Alternative 1 in this section

(Example: As the bearing capacity of the soil is poor, it is observed that the sized of individual footing is very large and overlapping with nearby column. So, to make the foundation safer, raft foundation has been taken into consideration as shallow foundation and has been designed for vertical load. ………………………………………………)

2.2.2 Alternative 2

Write about the Alternative 2 in this section

(Example: As a second alternative, friction pile is designed in term of length and diameter required to transfer the maximum load to the ground. For the design of the pile, corrected N-Value of the soil, which is loos sand………………………………………..)

2.3 Design Aspect (Civil Engineering Context Minimum 2)

Write about the design Aspect in this section. There should be minimum two civil engineering contexts.

2.3.1 First Aspect

Write about the first aspect of the design.

(Example: Geotechnical Design of Foundation)

2.3.2 Second Aspect

Write about the second aspect of the design.

(Example: Structure Design of Foundation)

2.4 Constraints

Write the constraints of design in this section.

2.4.1 Site/Location Constraint

Write about the site/location constraints in this section.

(Example: The current project is located in Jazan which is located in the Southern Part of Kingdom of Saudi Arabia as shown in the Figure 2)

Figure 2: Project Location

2.4.2   Environmental Constraint

Write about the environmental constraint here.

2.4.3   Local and International Legislation

Write about the local and International legislation here. Add more constraints if required.

2.5   Codes and Specifications

Mention all the Codes, Book, Specifications in this section.

- ACI 318-95: Building code requirements for structural concrete

CHAPTER 3: DESIGN OF (Component or Aspect 1)

1.1 First Heading

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1.1.1 Second Heading

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1.2 First Heading

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1.2.1 Second Heading

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CHAPTER 4: DESIGN OF (Component or Aspect 2)

4.1   First Heading

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4.1.1   Second Heading

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4.2   First Heading

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4.2.1   Second Heading

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CHAPTER 5: COST ANALYSIS

5.1 First Heading (Cost for First Solution/Alternate)

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5.1.1 Second Heading

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5.2 First Heading (Cost for Second Solution/Alternate)

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5.2.1 Second Heading

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CHAPTER 6: CONCLUSION

Without giving any heading, Write some sentence about this chapter in Times New Roman, 12pt with double spacing.……………………………………………………………………………

6.1   Conclusion

Write the conclusions drawn from the design project in bullet point or in sentence.………………

6.2   Impact of Project

Write the impact of your design project in different dimensions such as sustainability, environmental, social, health safety, society, etc.…...………………

6.3   Project Outcomes

Write the Project Outcome in this section. For Example: Drawing, Prototype etc.
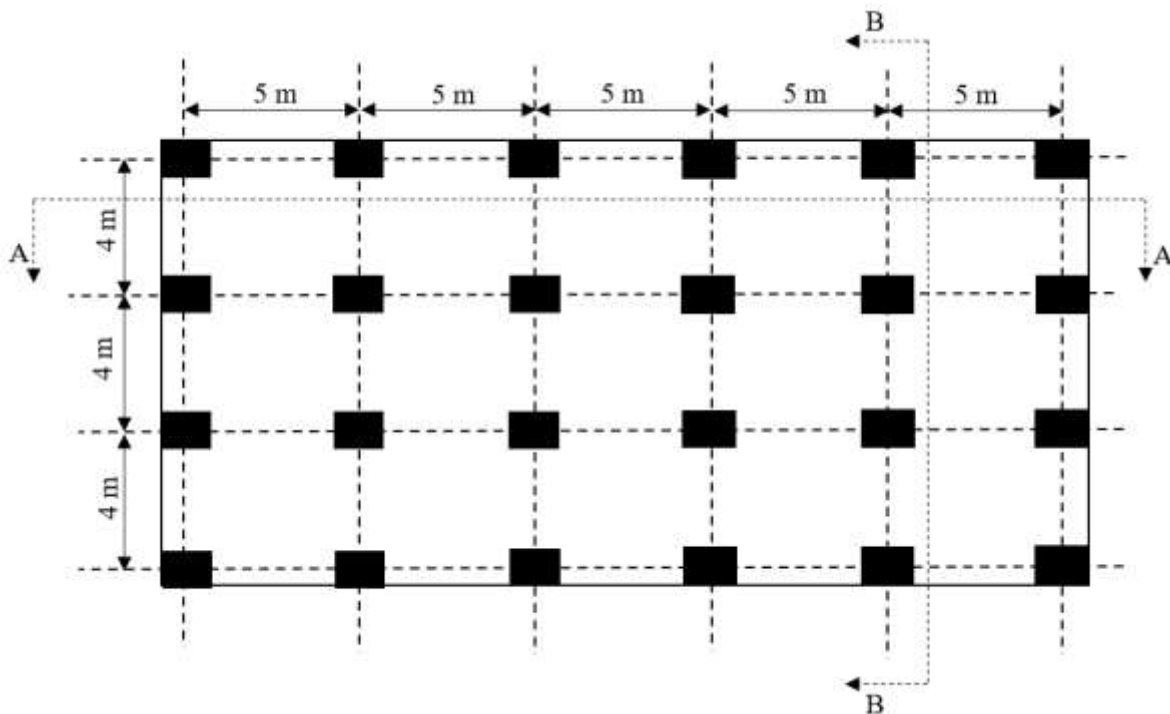

Figure 3: Plan of the Raft Foundation

REFERENCES

1. ACI 318-95. (1995) Building code requirements for structural concrete. American Concrete Institute.

2. Das, B. M. (2010). Principles of Foundation Engineering, Seventh Edition." CENGAGE Learning.

3. Meyerhof G. G. (1953). An Investigation for the Foundations of a Bridge on Dense Sand. Proceedings of the 3rd International Conference on Soil Mechanics and Foundation Engineering, 2, pp. 66-70.

4. Purkayastha, R. D., Char, R. A. N. (1977). Sensitivity analysis for eccentrically loaded footings. Journal of Geotechnical Engineering, ASCE, 103(6), 647.

5. SBC 304-CR. (2018). Saudi concrete structure code. Saudi Building Code National Committee.

6. …………………………………

7. ………………………………..

8. ………………………………..

APPENDICES

Appendix A: Checklist

(Project Title)

Supervisor:

Student Name(s):

Item	Implemented			Note
	Yes	No	*Indicate page(s)* in the report for yes, *cite reason(s)* for no	
Problem definition				
Alternative solutions				
Specifications, regulations, and standard				
Realistic constraints				
Impact of engineering solutions				
Cost analysis				
Utilization of CE Curriculum				
Designed Elements				
Result analysis				
Final product				