Project Title

Submitted in partial fulfillment of the requirements

for the degree of

Bachelor of Engineering

by

Anup S Kunte

Roll No.

Name of the Student

Roll No.

Name of the Student

Roll No.

Guide

Name of Guide

DEPARTMENT OF INFORMATION TECHNOLOGY

KONKAN GYANPEETH COLLEGE OF ENGINEERING

KARJAT-410201

2024-25

Certificate

This is to certify that the project entitled **"Title of project"** is a bonafide work of

1. **Student Name Roll Number**

2. **Student Name Roll Number**

3. **Student Name Roll Number**

4. **Student Name Roll Number**

submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of **Bachelor of Engineering** in **Department of Information Technology Engineering** during academic year 2024-25.

Guide

⟨name⟩

Department of Information Technology

Engineering

Principal

Head of Department

Dr. Vilas Janardan Pillewan

⟨name⟩

Konkan Gyanpeeth College of

Department of AI & data Science

Engineering, Karjat

Project Report Approval

This report entitled **"Project Title"** submitted by

1. **Student Name Roll Number**

2. **Student Name Roll Number**

3. **Student Name Roll Number**

4. **Student Name Roll Number**

is approved for the degree of Bachelor of Engineering in **Information Technology Engineering** during academic year 2024-25.

Examiners

1...

2...

Date:
Place:

Declaration

We declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, We have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Signature

(Name of Student) Roll No

Signature

(Name of Student) Roll No

Signature

(Name of Student) Roll No

Signature

(Name of Student) Roll No

Date:
Place:

Abstract

Enter Abstract Content here.........This should be one/two short paragraphs (100-150 words total), summarizing the project work. It is important that this is not just a re-statement of the original project outline. A suggested flow is background, project aims and main achievements. From the abstract, a reader should be able to ascertain if the project is of interest to them and, it should present results of which they may wish to know more details.

Contents

Contents

List of Figures

List of Tables

Abbreviations

FEA	**F**inite **E**lement **A**nalysis
FEM	**F**inite **E**lement **M**ethod
LVDT	**L**inear **V**ariable **D**ifferential **T**ransformer
RC	**R**einforced **C**oncrete

Symbols

D^{el} elasticity tensor

σ stress tensor

ε strain tensor

Chapter 1

INTRODUCTION

1.1 Introduction

The introduction has several parts as given below: Background: A description of the background and context of the project and its relation to work already done in the area. Summarise existing work in the area concerned with your project work. This section can take at least up around 2 to 3 paragraphs and comprising of half a page length.

1.2 Objectives

Objectives: Concise statement of the aims and objectives of the project. Define exactly what you are going to do in the project; the objectives should be about 30/40 words. These could be translated into project milestones so that one can plan and track project progresss through them.

1.3   Purpose, Scope, and Applicability

This section establlished need for undertaking the project work. Students and supervisors may decide appropriate sections to be kept here and non applicable sections to be removed aas requirement may be. The description of what goes in Purpose, Scope, and Applicability are given below:

1.3.1   Purpose

Purpose: Description of the topic of your project that answers questions on why you are doing this project. How your project could improve the system its significance and theoretical framework.

1.3.2   Scope

Scope: A brief overview of the methodology, assumptions and limitations. You should answer the question: What are the main issues you are covering in your project? What are the main functions of your project?

1.3.3   Applicability

Applicability: You should explain the direct and indirect applications of your work. Briefly discuss how this project will serve the computer world and people.

1.4   Achievements

Achievements: Explain what knowledge you achieved after the completion of your work. What contributions has your project made to the chosen area? Goals achieved

describe the degree to which the findings support the original objectives laid out by the project. The goals may be partially or fully achieved, or exceeded. Students writing Semester 7 report can skip this.

1.5 Organisation of Report

Organization of Report: Summarizing the remaining chapters of the project report, in effect, giving the reader an overview of what is to come in the project report. And how chapters are linked with each other.

Chapter 2

LITERATURE SURVEY

This shall normally form Chapter 2 and shall present a critical appraisal of the previous work published in the literature pertaining to the topic of the investigation. The extent and emphasis of the chapter shall depend on the nature of the investigation. This chapter may require student citing existing literature and after comparing existing literature come up with comparison between various existing approaches.

In following part of this chapter we give you some sample Latex code to learn how to do citation and referencing. We also show how to create large table. A .bib file contains all the bibliographic information for your document. Think of it as a sort of database of all the references you may want to include in your article (but you don't have to necessarily).

Your .bib file must contain specific information for each entry (i.e., for each article, book, proceeding, etc. that you want to cite.) The following is an example for an article entry: This is IEEE Bib example [18]

```
@PHDTHESIS{01armentrout1981analysis,
  author={1},
  title={An analysis of the behavior of steel liner anchorages},
  school={University of Tennessee},
  year=1981,
```

```
}
```

You can cite by using the cite command and the entry tag, a custom-defined tag for each entry that you can find right after the opening brace - in our case, 01ar-mentrout1981analysis placeholder [1] You can also have multiple citations like this: [2, 3, 6].

Lets see a table sample shown in 2.1.

TABLE 2.1: The Basic Table

heading 1	heading 2	heading 3
α	β	γ
1	1.34	a
2	18.54	b
3	735.765231	c

Appendix A

Appendix A

Write your Appendix content here.....These may be provided to include further details of results, mathematical derivations, certain illustrative parts of the program code (e.g., class interfaces), user documentation etc.

PROJECT REPORT STRUCTURE

INTRODUCTION

The project report should be documented with an engineering approach to the solution of the problem that you have sought to address. The project report should be prepared in order to solve the problem in a methodical and professional manner, making due references to appropriate techniques, technologies and professional standards. You should start the documentation process from the first step of software development so that you can easily identify the issues to be focused upon in the ultimate project report. You should also include the details from your project notebook, in which you would have recorded the progress of your project throughout the course. The project report should contain enough details to enable examiners to evaluate your work. The details, however, should not render your project report as boring and tedious. The important points should be highlighted in the body of the report, with details often relegated to appendices

IMPORTANCE OF PROJECT/PROJECT REPORT

The Mini Project is not only a part of the coursework, but also a mechanism to demonstrate your abilities and specialisation. It provides the opportunity for you to demonstrate originality, teamwork, inspiration, planning and organisation in a software project, and to put into practice some of the techniques you have been taught throughout the previous courses. The Mini Project is important for a number of reasons. It provides students with:

- opportunity to specialise in specific areas of IT;

- future employers will most likely ask you about your project at interview;

- opportunity to demonstrate a wide range of skills and knowledge learned, and

- encourages integration of knowledge gained in the previous course units.

The project report is an extremely important aspect of the project. It serves to show what you have achieved and should demonstrate that:

Elements of Project Development

- You understand the wider context of computing by relating your choice of the project, and the approach you take, to existing products or research.

- You can apply the theoretical and practical techniques taught in the course to the problem you are addressing and that you understand their relevance to the wider world of computing.

- You are capable of objectively criticising your own work and making constructive suggestions for improvements or further work based on your experiences so far.

- You can explain your thinking and working processes clearly and concisely to others through your project report.

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