

I - Attend

A Minor Project Report Submitted To



Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Towards Partial Fulfilment for the Award Of

Bachelor of Technology

In

COMPUTER SCIENCE AND ENGINEERING

Submitted By

Harsh Tiwari (0863AD201013)

Shrut Jain (0863CS201154)

Shubham Kumar (0863CS201155)

Varun Soni (0863CS201177)



Under the Supervision of

Dr. Aradhana Negi

Session: 2022-2023

Department of Computer Science and Engineering,

Prestige Institute of Engineering, Management and Research, Indore (M.P.)

[An Institution Approved By AICTE, New Delhi & Affiliated To RGPV, Bhopal]



PRESTIGE INSTITUTE OF ENGINEERING MANAGEMENT AND RESEARCH
INDORE (M.P.)

DECLARATION

We **Harsh Tiwari, Shrut Jain, Shubham Kumar, and Varun Soni** hereby declare that the project entitled “**I - Attend**”, which is submitted by us for the partial fulfilment of the requirement for the award of Bachelor of Technology in Computer Science & Engineering to the Prestige Institute of Engineering, Management and Research, Indore (M.P.). Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal, comprises my own work and due acknowledgement has been made in text to all other material used.

Signature of Students:

Date:

Place:



PRESTIGE INSTITUTE OF ENGINEERING MANAGEMENT AND RESEARCH
INDORE (M.P.)

DISSERTATION APPROVAL SHEET

This is to certify that the dissertation entitled “**I - Attend**” submitted by **Harsh Tiwari (0863AD201013)**, **Shrut Jain (0863CS201154)**, **Shubham Kumar (0863CS201155)**, and **Varun Soni (0863CS201177)** to the Prestige Institute of Engineering, Management and Research, Indore (M.P.) is approved as fulfilment for the award of the degree of “Bachelor of Technology in Computer Science & Engineering” by Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, (M.P.).

Internal Examiner

Date:

External Examiner

Date:

HOD, CSE

Dr. Piyush Choudhary

PIEMR, INDORE



PRESTIGE INSTITUTE OF ENGINEERING MANAGEMENT AND RESEARCH
INDORE (M.P.)

CERTIFICATE

This is certified that project entitled “**I - Attend**” submitted by **Harsh Tiwari, Shrut Jain, Shubham Kumar and Varun Soni** is a satisfactory account of the bona fide work done under our supervision and is recommended towards partial fulfilment for the award of the degree Bachelor of Technology in Computer Science & Engineering to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (M.P.) .

Date:

Enclosed by:

Dr. Aradhana Negi

Project Guide

Dr. Aradhana Negi

Project Coordinator

Dr. Piyush Choudhary

Professor & Head, CSE

Dr. Manojkumar Deshpande

Director

PIEMR, Indore



PRESTIGE INSTITUTE OF ENGINEERING MANAGEMENT AND RESEARCH
INDORE (M.P.)

ACKNOWLEDGEMENT

After the completion of Minor project work, words are not enough to express my feelings about all these who helped me to reach my goal; feeling above this is my indebtedness to the almighty for providing me this moment in life.

First and foremost, I take this opportunity to express my deep regards and heartfelt gratitude to my project guide **Dr. Aradhana Negi and Project Coordinator Dr. Aradhana Negi , Department of Computer Science and Engineering, PIEMR, Indore** for their inspiring guidance and timely suggestions in carrying out my project successfully. They are also the constant source of inspiration for me. Working under their guidance has been an opportunity for me to learn more and more.

I am extremely thankful to **Dr. Piyush Choudhary, (HOD, CSE)** for his co-operation and motivation during the project. I extend my deepest gratitude to **Dr. Manojkumar Deshpande, Director, PIEMR, and Indore** for providing all the necessary facilities and true encouraging environment to bring out the best of my endeavour's.

I would like to thank all the teachers of our department for providing invaluable support and motivation. I remain indebted to all the non-teaching staff of our Institute who has helped me immensely throughout the project.

I am also grateful to my friends and colleagues for their help and co-operation throughout this work. Last but not least; I thank my family for their support, patience, blessings and understanding while completing my project.

Name of Students:

Harsh Tiwari (0863AD201013)

Shrut Jain (0863CS201154)

Shubham Kumar (0863CS201155)

Varun Soni (0863CS201177)

INDEX

Declaration	I
Dissertation Approval Sheet	II
Certificate	III
Acknowledgement	IV
Table of Contents	V
List of Figures	VI

TABLE OF CONTENTS

CHAPTER 1 INTRODUCTION

1.1 Introduction...	2
1.2 Motivation...	2
1.3 Objective.....	3
1.4 Analysis	3
1.4.1 Functional Requirements	4
1.4.2 Non-functional Requirements.....	5
1.4.3 Use Case Diagram	6

CHAPTER 2 BACKGROUND AND RELATED WORK

2.1 Problem Statement.....	7
2.2 Background and Related Work.....	7
2.2.1 Introduction	7
2.2.2 Background Work.....	7
2.3 Solution Approach (<i>methodology and technology used</i>) ...	8

CHAPTER 3 DESIGN (UML AND DATA MODELING)

3.1 UML Modeling	9
3.1.1 Class Diagram	9
3.1.2 Activity Diagram.....	10
3.1.3 Sequence Diagram	11
3.2 Data Modeling	13

3.2.1 Data Flow Diagram	13
-------------------------------	----

CHAPTER 4 IMPLEMENTATION

4.1 Tools Used	15
4.2 Technologies	15
4.3 Testing	16
4.4 User Guide	17

CHAPTER 5 PROJECT PLAN

5.1 Project Planning.....	18
5.2 Effort and Cost estimation	18

CHAPTER 6: Project Screenshot

CHAPTER 7 CONCLUSION/ FUTURE SCOPE

7.1 Conclusion.....	25
7.1.1 Objective Assessment	25
7.1.2 Limitation and Challenges	25
7.2 Future Scope	26
Appendix A:	27