A Mini Project-II Report

On

< Title of the Mini Project>

Submitted for partial fulfillment of the requirements for the award of the degree of

BACHELOR OF ENGINEERING

in

INFORMATION TECHNOLOGY

by

<name>	<roll no>
<name>	<roll no>
<name>	<roll no>

Under the Guidance of
< Name of the Guide>
< Designation>

MATURI VENKATA SUBBA RAO (M.V.S.R) ENGINEERING COLLEGE

(An Autonomous Institution)

Department of Information Technology

(Affiliated to Osmania University & Recognized by AICTE)
Nadergul, SaroorNagar Mandal, Hyderabad – 501 510

AY: 2023-24

CERTIFICATE

This is to certify that the **Mini Project-II** entitled **"<title>"** is a bonafide work carried out by Mr. / Ms. <name> (roll no), Mr. /Ms. <name> (roll no) and Mr./Ms. <name> (roll no) in partial fulfilment of the requirements for the award of degree of Bachelor of Engineering in Information Technology from Maturi Venkata Subba Rao (M.V.S.R.) Engineering College, an Autonomous Institution, affiliated to Osmania University Hyderabad, during the Academic Year 2023-24.

The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Name of the Guide

Mini Project Co-ordinator
Dr. H. Jayasree,
Professor, ITD

HOD
Dr. K. VenuGopal Rao,
Professor & Dean – Academics

External Examiner

DECLARATION

This is to certify that the work reported in the present **Mini Project-II** report entitled "**<title>**" is a record of bonafide work done by us in the Department of Information Technology, Maturi Venkata Subba Rao (M.V.S.R.) Engineering College, an Autonomous Institution, affiliated to Osmania University. The reports are based on the work done entirely by us and not copied from any other source. The results embodied in this report have not been submitted to any other University or Institute for the award of any degree or diploma to the best of our knowledge and belief.

<name>   <name>   <name>

<roll no>   <roll no>   <roll no>

ACKNOWLEDGEMENT

We would like to express our sincere thanks to our Guide, **\<Guide name (bold)** with Designation (unbold)**\>**, for his/ her valued guidance. *\<prefix Dr. / Mr. / Ms. applicable before guide name \>*

We would like to express our sincere gratitude to our Mini Project Co-ordinator, **Dr. H. Jayasree**, Professor for her valued recommendations and attention throughout the course. We also convey our thanks to \<name1, designation \> and \<name2, designation \> for continuous monitoring and evaluation.

\< add data as per your section

Section – A

Ms. K. Ramya Madhavi, Asst. Prof. and **Ms. N. Nithya Lakshmi**, Asst. Prof.

Section – B

Ms. K. Sri Laxmi, Asst. Prof. and **Ms. P. Amba Bhavani**, Asst. Prof.

Section – C

Ms. G. Ushasri, Asst. Prof. and **Ms. N. Nithya Lakshmi**, Asst. Prof.   \>

We are thankful to **Dr. Vijaya Guntur**, Principal and **Dr. K. Venu Gopala Rao,** Professor, Head & Dean- Academics, Maturi Venkata Subba Rao Engineering College, for providing excellent infrastructure and a nice atmosphere to carry out case study on the training obtained through internship.

Finally, we would like to take this opportunity to thank our family and friends for their support through the work. We sincerely acknowledge and thank all those who gave directly or indirectly their support in completion of this work.

\<name\>	\<roll no\>
\<name\>	\<roll no\>
\<name\>	\<roll no\>

VISION, MISSION, PROGRAMME EDUCATIONAL OBJECTIVES
OF THE DEPARTMENT

VISION:

To impart technical education to produce competent and socially responsible engineers in the field of Information Technology.

MISSION:

M1. To make teaching learning process effective and stimulating.

M2. To provide adequate fundamental knowledge of sciences and Information Technology with positive attitude.

M3. To create an environment that enhances skills and technologies required for industry.

M4. To encourage creativity and innovation for solving real world problems.

M5. To cultivate professional ethics in students and inculcate a sense of responsibility towards society.

PROGRAM EDUCATIONAL OBJECTIVES:

After 3 to 4 years of graduation, graduates of the Information Technology program will:

PEO1: Apply knowledge of mathematics and Information Technology to analyse, design and implement solutions for real world problems in core or in multidisciplinary areas.

PEO2: Communicate effectively, work in a team, practice professional ethics and apply knowledge of computing technologies for societal development.

PEO3: Engage in Professional development or postgraduate education to be a life-long learner.

PROGRAMME OUTCOMES & PROGRAMME SPECIFIC OUTCOMES

PROGRAMME OUTCOMES:

PO1-Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2-Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3-Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4-Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5-Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6-The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7-Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8-Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9-Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10-Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11-Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12-Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOMES :

PSO1-Hardware design: An ability to analyse, design, simulate and implement computer hardware / software and use basic analog /digital circuits, VLSI design for various computing and communication system applications.

PSO2-Software design: An ability to analyse a problem, design algorithm, identify and define the computing requirements appropriate to its solution and implement the same.

COURSE OBJECTIVES AND COURSE OUTCOMES

Course Code : U21PW681IT

COURSE OBJECTIVES:

Student should be able to :

- Define and clearly articulate the problem statement, project scope and objectives.
- Conduct a literature review to understand existing solutions, technologies and best practices related to the project.
- Design and develop a prototype or solution that addresses the problem statement and meets the specified requirements.
- Test and evaluate the performance, functionality, and reliability of the developed prototype.
- Document the project process and present the project finding to a panel of faculty members and peers
- Demonstrate effective teamwork, time management and project organization throughout the project duration.

COURSE OUTCOMES:

Student will be able to :

- Apply theoretical knowledge and technical skills acquired in previous coursework to solve a real-world engineering problem.
- Enhance problem-solving skills by analyzing the project requirements, identifying constraints, and proposing innovative solutions.
- Gain hands-on experience with engineering tools, software and equipment relevant to the project.
- Develop the ability to work effectively in a team, collaborate with peers, and allocate tasks to accomplish project goals.
- Improve communication skills through project documentation, presentations & reports and understand the ethical & professional responsibilities associated with engineering projects.

OVERVIEW OF MINI PROJECT ACTIVITIES

Monthly Report

Month	Activity carried out
February	Problem Identification
March	Abstract Submission
	Abstract Review Presentation
April	Design Methodology
	Design UML Diagrams
	Design Seminar Presentation
May	Implementation
June	#3 Phases of Execution
	Final Execution through Dockerhub link
	Final Presentation
July	Report Submission
	Semester End Exam

ABSTRACT

< copy abstract here >

LIST OF FIGURES

LIST OF TABLES

TABLE OF CONTENTS

Font: Maiandra GD

Chapter Name / Main Heading – Uppercase, Bold – 14

Section heading – Capitalize each word – Bold – 12

Each chapter in a new page

 Text Alignment – Justify mode

 Line spacing – 1.5

Figure name below figure

   Ex: Fig 2.1: System Architecture   - unbold – 11

Table name above table

     Ex: Table 4: Test cases - unbold – 11

Code – in appendix as pseudo code only – don't copy complete code

Add header and footer from chapter-1

Header : Title of the project – top right corner

Footer : Dept. of IT bottom left corner

Page number : bottom middle

Add page number from chapter-1 till end of the document report.(page no. bottom center)

Margins : top – 2.54cm ,bottom – 2.54cm ,right: 2.17cm , left : 3.17cm