**TITLE OF THE PROJECT**

A Major project report submitted in partial fulfillment of the requirements for the degree of Master of Technology in Thermal Engineering

by

**NAME OF THE STUDENT**

**HALL TICKET NUMBER**

Under the guidance of

**NAME OF THE GUIDE**

Designation



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY**

**DEPARTMENT OF MECHANICAL ENGINEERING**

(UGC Autonomous Institution, Govt. of India)

 (Affiliated to JNTUH, Approved by AICTE, NBA &NAAC with ‘A’ Grade)

Secunderabad – 500100, Telangana State, India
www.mrcet.ac.in

****

**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY Autonomous Institution - UGC Govt. of India**

(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – ‘A’ Grade)

Secunderabad – 500100, Telangana State, India

**DEPARTMENT OF MECHANICAL ENGINEERING**

 **CERTIFICATE**

This is to certify that the Major Project work entitled “**Title of the Project**” is carried out by **Name of the Student xxxxx (H.T.NO xxxx),** in partial fulfillment for the award of degree of **Master of Technology** in **Thermal Engineering**, Jawaharlal Nehru Technological University, Hyderabad during the academic year 2018-2019.

XXXXXXXX Prof. Dr A. N. R. Reddy

Internal Guide HOD

External Examiner

(Certificate from Industry)

## DECLARATION

I hereby declare that the project titled “Secure U Emergency System” submitted to Malla Reddy College of Engineering and Technology (UGC-Autonomous), affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH) for the award of the degree of Master of Technology in Thermal Engineering is a result of original research carried-out in this thesis. I understand that my report may be made electronically available to the public. It is further declared that the project report or any part thereof has not been previously submitted to any University or Institute for the award of degree or diploma.

Name of the Student :

Hall Ticket Number :

Degree : Master of Technology in Thermal Engineering

Department : Mechanical Engineering

Title of the project :

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Name of Student)

Date:

## DEDICATION

(Optional)

.

-o0o-

## ACKNOWLEDGEMENT

Acknowledgements are to be written by the students as per the sequence mentioned below

1. Dr VSK Reddy, Principal
2. Head of the Department
3. Internal Guide
4. Parents and other people who helped to complete the project

## ABSTRACT

xxxxxx

(Max. 500 words)

**Keywords:**

## TABLE OF CONTENTS

|  |  |
| --- | --- |
|  | **Page** |
| **Certificate from MRCET** | i |
| **Certificate from industry** (If any) | ii |
| **Declaration** | iii |
| **Dedication** (Optional) |  |
| **Acknowledgement** |  |
| **Abstract** |  |
| **Table of Contents** |  |
| **List of Tables** |  |
| **List of Figures** |  |
| **List of Abbreviations** |  |
| **CHAPTER 1: INTRODUCTION** | 1 |
| 1.1 | Introduction | 1 |
| 1.2 | Problem statement | 4 |
| 1.3 | Scope of research | 8 |
| 1.4 | Research hypothesis | 9 |
| 1.5 | Objectives | 10 |
| 1.6 | Organization of the report | 10 |
| **CHAPTER 2: LITERATURE REVIEW** | 12 |
| 2.1 | Background | 12 |
| 2.14 | Summary of literature review and research gap | 71 |
| **CHAPTER 3: METHODOLOGY** | 73 |
| 3.1 | Materials | 73 |
| 3.10 | Summary of methodology | 85 |
| **CHAPTER 4: RESULTS AND DISCUSSION** | 87 |
| 4.13 | Summary of results and discussion | 163 |
| **CHAPTER 5: CONCLUSION AND RECOMMENDATIONS** | 164 |
| 5.1 | Conclusion | 164 |
| 5.2 | Recommendations | 1 |
| **REFERENCES** |  |
| **APPENDICES (if any)** |  |

## LIST OF TABLES

|  |  |  |
| --- | --- | --- |
|  |  | **Page** |
| Table 2.1 | xxxxxx |  |
| Table 2.2 | Xxxx |  |

## LIST OF FIGURES

|  |  |  |
| --- | --- | --- |
|  |  | **Page** |
| Figure 2.1 | xxxxxxxx |  |
| Figure 2.2 | xxxxxxxxxxx |  |

## LIST OF ABBREVIATIONS