Sequence:

Title page
Certificate
Declaration
Acknowledgement
Vision, Mission, Program Outcomes and Program Specific Outcomes
Course Objectives and Course Outcomes
Abstract(300 words)
Index
List of Tables
List of Figures
List of Symbols, Abbreviations

Chapters :

1 Introduction
- 1.1 Problem statement
- 1.2 Objectives
- 1.3 Motivation
- 1.4 Existing system
- 1.5 Proposed system
- 1.6 Scope
- 1.7 Organisation profile (applicable for Industry projects)

2 Literature Survey (subsections to be included)
- 2.1(Existing system) (Elaborate) -2.1 Heading wrt project
- 2.2 Proposal(Techniques and algorithms applicable) -2.2 Heading wrt project
- 2.3 Applications
- 2.4 Summary

3 System Requirement Specifications
- 3.1 Software Requirements
- 3.2 Hardware Requirements

4 System Design (All diagrams applicable with brief explanation)
- 4.1 System Architecture / Block Diagram
- 4.2 Diagrams applicable

5 Implementation
- 5.1 Environmental Setup (subsections applicable)
- 5.2 Module Description

6 Tests & Results
- 6.1 Test cases
- 6.2 Results (Output screen not more than 10 pages (at most two screens per page))

8. Conclusion & Future Enhancements

References

Appendix

A: source/pseudo code

Imp Note:

1. Prepare the soft copy and get Guide's approval before printing.
2. No. of bound copies depends on team size. Number of copies to be *submitted* : One hard bound copy for department and one for guide(This copy should consists of names and roll numbers of all batch members) and one copy for each batch member (This copy should consist of individual batch member name and his/her roll number).
3. Title page should be in colour for all copies.
4. Screens: coloured for department copy.

Report Format:

Project report should normally be between 50-60 pages(excluding the appendix).

Font and Size :

• For Chapter Numbers and Titles: Times New Roman Size 14, Bold, Centre aligned, Upper case.
• Sections Numbers and Titles: Times New Roman Size 12, Bold, Left aligned, Upper case
• Sub-section Numbers and Titles: Times New Roman Size 12, Bold, Left aligned, Camel case
• For the main text: Times New Roman Size 12, Justified.

NOTE:
Should not underline the heading/subheadings and should not put colons (:) in headings or subheadings.
Paragraphs and Line Spacing : 1.5 throughout. Paragraph space-6 point.
Margins : Top, Bottom, Right: 1inch ; Leftt: 1.5 inch.
Headers/ Footers : Times New Roman Size 10. Header – Project Name - top right ; Footer – Dept, of CSE, MVSREC, - left side ; page number – right side

Equations : Should be edited with Microsoft Equation, and should be numbered in ascending order in each chapter:

Page Numbers : Start with Page 1 at the beginning of Chapter 1. Page numbers should be at right bottom of the page. Pages before chapters should be numbered in Roman notation – lower case (i, ii ,...) staring from Certificate and should be centred.

Figures and tables: • Position Figures and Tables as close as possible to the text where they are referred.

• Figures and Tables should be numbered in ascending order for each chapter, using the same sequence as for Equations. Figures and tables should be given number in alignment with chapter (Fig 3.1, Table 3.1 ...) and the figure number (Fig 3.1) should be referred in text.

• The number of the figure, and its caption should be typed immediately below it in Times New Roman Size 10.
• The number of the table and its caption should be typed immediately above it in Times New Roman Size 10.

Binding

- The dissertation shall be properly bound, using Rexene of **Black colour**. The bound front cover should be in suitable embossed letter.
- The content of the front page should be same as title page

- **Two blank papers** should be provided at the beginning and at the end.
- The **bound side** must include B.E – CSE; project name and AY: 2019-20

TITLE PAGE : sample

A

Project Report

on

SECURITY CAMERA NOTIFIER

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

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING

By

Dhruv Bhatnagar (2451-15-733-066)
Y.Krishna Teja (2451-15-733-116)
G.Manoj Kumar (2451-15-733-119)

Under the guidance of

Mr. K.Murali Krishna
Assistant Professor
Department of CSE

M.V.S.R. ENGINEERING COLLEGE
Department of Computer Science and Engineering
(Affiliated to Osmania University & Recognized by AICTE)
Nadergul, Saroor Nagar Mandal, Hyderabad – 501 510
Academic Year: 2019-20

CERTIFICATE

This is to certify that the project work entitled "Security Camera Notifier" is a bonafide work carried out by ***Mr.Dhruv Bhatnagar (2451-15-733-066), Mr.Y.Krishna Teja (2451-15-733-116), Mr.G.Manoj Kumar (2451-15-733-119)*** *in partial fulfillment of the requirements for the award of degree of* ***Bachelor of Engineering*** *in* ***Computer Science And Engineering*** *from* ***M.V.S.R. Engineering College,*** *affiliated to OSMANIA UNIVERSITY, Hyderabad, during the Academic Year 2019-20. under our guidance and supervision.*

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

Internal Guide
Mr. K.Murali Krishna
Assistant Professor
Department of CSE
MVSREC.

Head of the Department
Dr. Akhil Khare
Professor & Head
Department of CSE
MVSREC.

DECLARATION

This is to certify that the work reported in the present project entitled “Security Camera Notifier” is a record of bonafide work done by us in the Department of Computer Science and Engineering, M.V.S.R. Engineering College, Osmania University. The reports are based on the project work done entirely by us and not copied from any other source.

The results embodied in this project 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.

Dhruv Bhatnagar	Y.Krishna Teja	G.Manoj Kumar
(2451-15-733-066)	(2451-15-733-116)	(2451-15-733-119)

ACKNOWLEDGEMENT

We would like to express our sincere gratitude and indebtedness to our project guide **Mr. K.Murali Krishna, Assistant Professor** for his valuable suggestions and interest throughout the course of this project.

We are also thankful to our principal **Dr. G. Kanaka Durga** and **Dr. Akhil Khare,** Professor and Head, Department of Computer Science and Engineering, MVSR Engineering College, Hyderabad for providing excellent infrastructure and a nice atmosphere for completing this project successfully as a part of our B.E. Degree (CSE).

We convey our heartfelt thanks to the lab staff for allowing us to use the required equipment whenever needed.

Finally, we would like to take this opportunity to thank our family 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.

Dhruv Bhatnagar (2451-15-733-066)
Y.Krishna Teja (2451-15-733-116)
G.Manoj Kumar (2451-15-733-119)

VISION AND MISSION,
PEOs
POs AND PSOs

COURSE OBJECTIVES AND OUTCOMES

ABSTRACT

Security Camera Notifier helps us detect any motion (i.e., suspicious activity) happening in our personal room in our absence. Now a days, privacy & security are major concerns for us. We can install a security camera notifier in our rooms which helps us keep our belongings & any other important things safe under our surveillance.

Unlike other CCTV activities, this protocol or procedure doesn't require 24hrs surveillance. It doesn't require a long list of equipments like big cameras or a big screen (say TV) to watch activities or even a heavy budget. The installation process is simple and easy to be done. A stranger wouldn't be able to guess that there's a secret security camera installed in our room.

This protocol works when a hidden camera placed in our room detects any motion in our absence. We will get a notification on our Smartphone the moment camera detects any kind of motion (say someone entering our room). Here, we would be provided with '@snap' function, if we reply to the notification with '@snap' then the camera will capture a live picture of that moment and send it to us. So, by this process we may assure the security of room in our absence.

Dhruv Bhatnagar (2451-15-733-066)
Y.Krishna Teja (2451-15-733-116)
G.Manoj Kumar (2451-15-733-119

TABLE OF CONTENTS

CONTENTS	PAGE NO.s
Certificate	i
Declaration	ii
Acknowledgement	iii
Vision & Mission	iv
Course Objectives & Outcomes	v
Abstract	vi
Table of Contents	vii
List of Figures	viii
List of Tables	ix
List of Abbreviations	x

Chapters:

1. Introduction

1.1 Problem statement
1.2 Objectives
1.3 Motivation
1.4 Existing system
1.5 Proposed system
1.6 Scope
1.7 Organisation profile (applicable for Industry projects)

2. Literature Survey (subsections to be included)

2.1(Existing system) (Elaborate) -2.1 Heading wrt project
2.2 Proposal(Techniques and algorithms applicable) -2.2 Heading wrt project
2.3 Applications
2.4 Summary

3. System Requirement Specifications

3.1 Software Requirements
3.2 Hardware Requirements

4. System Design (All diagrams applicable with brief explanation)

4.1 System Architecture / Block Diagram
4.2 Diagrams applicable

5. Implementation

5.1 Environmental Setup (subsections applicable)
5.2 Module Description

6. Tests & Results

6.1 Test cases

6.2 Results (Output screen not more than 10 pages (at most two screens per page))

7. Conclusion & Future Enhancements

References
Appendix
A: source/pseudo code

LIST OF FIGURES

Figure No Figure Name Page No

LIST OF TABLES

Table No	Table Name	Page No

ABBREVIATIONS

x