PRESIDENCY UNIVERSITY

School of Engineering

Department of Computer Science and Engineering

FORMAT FOR PROJECT REPORT

B.Tech. (CSE)

Project Report

The report should consist of 60 to 65 pages describing the project details, literature review, modules and implementation. The report should be in the format as described below. It is important that you adhere to these guidelines.

1. ARRANGEMENT OF CONTENTS:

The sequence in which the project report material should be arranged and bound should be as follows:

- 1. Cover Page & Title Page
- 2. Abstract
- 4. Table of Contents
- 5. Acknowledgment
- 6. Chapters (Introduction, Requirements Analysis, Literature review, Existing System, Proposed Work, System Design, Implementation, Testing, Conclusion)
- 7. Appendices
- 8. References

ATTENDANCE SYSTEM USING DEEP LEARNING FACE IDENTIFICATION ALGORITHMS

A PROJECT REPORT

Submitted by

JOEL REGO - 20171CSE0271 MEDHA M H - 20171CSE0387 AKSHAY KRISHNA - 20171CSE0036 MAHESHA R - 20171CSE0359

Under the guidance of

PROF. RAVINDRANATH

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

At



Department of Computer Science and Engineering
School of Engineering
PRESIDENCY UNIVERSITY
BANGALORE
JANUARY 2020

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SCHOOL OF ENGINEERING

PRESIDENCY UNIVERSITY

CERTIFICATE

This is to certified that the Project report "Attendance System using Deep Learning Face Identification Algorithms" being submitted by Joel Rego (20171CSE0271), Medha M H (20171CSE0387), Akshay Krishna (20171CSE0036), Mahesha R (20171CSE0359), in partial fulfillment of requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out under my supervision.

Dr. Mohan K G Mr. Ravindranath

HOD
Department of CSE
Presidency University

Guide Professor Department of CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SCHOOL OF ENGINEERING

PRESIDENCY UNIVERSITY

DECLARATION

I hereby declare that the work, which is being presented in the project report entitled "Attendance System using Deep Learning Face Identification Algorithms" in partial fulfillment for the award of Degree of Bachelor of Technology in Computer Science and Engineering, is a record of our own investigations carried under the guidance of Mr. Ravindranath, Assistant Professor, Department of Computer Science and Engineering, School of Engineering, Presidency University, Bangalore.

We have not submitted the matter presented in this report anywhere for the award of any other Degree.

Joel Rego (20171CSE0271) Medha M H (20171CSE0387) Akshay Krishna (20171CSE0036) Mahesha R (20171CSE0359)

ABSTRACT

ACKNOWLEDGEMENT

First of all, We indebted to the GOD ALMIGHTY for giving me an opportunity to excel in our efforts to complete this project on time.

We are extremely grateful to **Dr. C. Prabhakar Reddy**, Dean, School of Engineering and **Dr.Mohan K G**, Head of the Department, Department of Computer Science and Engineering, for providing all the required resources for the successful completion of this project.

We sincerely thank our project guide, **Prof. Ravindranath**, for his guidance, help and motivation. Apart from the area of work, we learnt a lot from him, which we are sure will be useful in different stages of our life. We would like to express our gratitude to Faculty Coordinators and Faculty, for their review and many helpful comments.

We would like to acknowledge the support and encouragement of our friends.

Joel Rego (20171CSE0271)

Medha M H (20171CSE0387)

Akshay Krishna (20171CSE0036)

Mahesha R (20171CSE0359)

List of Tables

Sl. No.	Table Name	Table Caption	Page No.	
1	Table 1.1	Software modules versus Reusable components	5	

List of Figures

Sl. No.	Figure Name	Caption	Page No.
1	Figure 1.1	Software modules versus Reusable components	5

(A typical specimen of table of contents)

TABLE OF CONTENTS

CHAPTER NO.	TITLE	PAGE NO	
	ABSTRACT	ii	
	ACKNOWLEDGMENT	iii	

1. INTRODUCTION

	1.1	GENERAL	1
	1.2		2
		1.2.1 General	5
		1.2.2.1 General	8
		1.2.2.2	10
		1.2.2	12
	1.3		13
	1.4		15
2.	LITERATURE REVIEW		16
	2.1	GENERAL	17
		2.2	19
		2.2.	20