

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

HOD
Department of CSE
Presidency University

Mr. Ravindranath

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)

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

ABSTRACT

(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