**A PROJECT REPORT**

### “AI-Attendance-System”

**Submitted by**

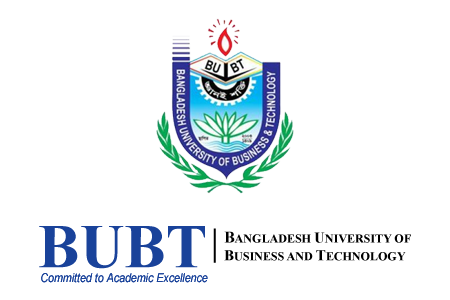
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***In partial fulfillment of the requirements for the degree of***

**BACHELOR OF SCIENCE**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING BANGLADESH UNIVERSITY OF BUSINESS AND TECHNOLOGY**

**(BUBT)**

**DHAKA-1216**

**November,2023**

## DECLARATION

I hereby declare that the project entitled“AI-Attendance-System”submitted for the degree of Bachelor of Science Engineering in Computer Science and Engineering in the faculty of Computer Science and Engineering of Bangladesh University of Business and Technology (BUBT), is our original work and that it contains no material which has been accepted for the award to the candidates of any other degree or diploma, except where due reference is made in the next of the project to the best of our knowledge, it contains no materials previously published or written by any other person except where due reference is made in this project.

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**APPROVAL**

This project “Restaurant Management System”report submitted by **Tamim Iqbal**, **Sheikh Rabby, Shorna, Tasnim Omi & Ar. Rafi** students of Department of Computer Science and Engineering, Bangladesh University of Business and Technology (BUBT), under the supervision of **M. M. Fazle Rabbi**, Assistant Professor, Department of Computer Science and Engineering has been accepted as satisfactory for the partial requirements for the degree of Bachelor of Science Engineering in Computer Science and Engineering.

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## ACKNOWLEDGEMENTS

We like to say our gratitude to our creator ALLAH to let us into the world and our parents, who supported us in this whole study and always prayed for our success and good health. We would like to express our sincere gratitude and profound indebtedness to our Assistant Professor **Mr. Shamim Ahmed** for his guidance, valuable suggestions, commendable support and endless patience towards the completion of this project.

With best regards

**Tamim Iqbal**

**Sheikh Rabby**

**Shorna**

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**Tasnim Omi**

# Abstract

Uniqueness or individuality of an individual face is the representation of one’s identity. In this project face of an individual is used for the purpose of attendance making automatically. Attendance of the student is very important for every college, universities and school. Conventional methodology for taking attendance is by calling the name or roll number of the student and the attendance is recorded. Time consumption for this purpose is an important point of concern. Assume that the duration for one subject is around 60 minutes or 1 hour & to record attendance takes 5 to 10 minutes. For every tutor this is consumption of time. To stay away from these losses, an automatic process is used in this project which is based on image processing. In this project face detection and face recognition is used. Face detection is used to locate the position of face region and face recognition is used for marking the understudy’s attendance. The database of all the students in the class is stored and when the face of the individual student matches with one of the faces stored in the database then the attendance is recorded.

**Table of Contents**

[**Introduction** 0](#_Toc59738)

[1.1 Introduction 0](#_Toc59739)

[1.2 Background 1](#_Toc59740)

[1.3 Problem Statement 2](#_Toc59741)

[1.4 Aims and Objectives 3](#_Toc59742)

[1.5 Flow Chart 4](#_Toc59743)

[1.6 Scope of the project 5](#_Toc59744)

[**Literature Review** 6](#_Toc59745)

[2.1 Student Attendance System 6](#_Toc59746)

[2.2 Digital Image Processing 7](#_Toc59747)

[2.3 Image Representation in a Digital Computer 7](#_Toc59748)

[2.4 Steps in Digital Image Processing 7](#_Toc59749)

[2.5 Definition of Terms and History 8](#_Toc59750)

[**Model Implementation & analysis** 16](#_Toc59751)

[3.1 Introduction 16](#_Toc59752)

[3.2 Model Implementation 17](#_Toc59753)

[3.3 Design Requirements 17](#_Toc59754)

[3.3 1.Software Implementation 17](#_Toc59755)

[**Code Implementation** 19](#_Toc59759)

[4.1 Code Implementation 19](#_Toc59760)

[4.1.1 main.py 22](#_Toc59761)

[4.1.2 TrainImages.py 26](#_Toc59762)

[4.1.3 AddToDatabase.py 30](#_Toc59763)

[4.1.4 App.py 31](#_Toc59763)

[4.1.5 Encodegenerator.py 33](#_Toc59763)

[4.2 Summary 33](#_Toc59764)

[**Working Plan** 34](#_Toc59765)

[5.1 Introduction 34](#_Toc59766)

[5.2 Work Breakdown Structure 35](#_Toc59767)

[5.3 Gantt Chart 35](#_Toc59768)

[5.5 Feasibility Study 36](#_Toc59770)

[5.6 Summary 38](#_Toc59771)

[**Future Work** 39](#_Toc59772)

[6.1 Introduction 39](#_Toc59773)

[6.2 Future Scope of Work 39](#_Toc59774)

[6.3 Summary 39](#_Toc59775)

[**Result** 40](#_Toc59776)

[7.1 Introduction 40](#_Toc59777)

[7.2 Summary 40](#_Toc59778)