Face Recognition Attendance System – Project Report

1. Introduction

This project automates attendance using face recognition. It uses Python, OpenCV, Haar Cascade for face detection and LBPH for face recognition.

2. Objectives

• Automatically capture attendance

• Recognize faces in real-time

• Store Name, Date, Time in CSV file

3. Technologies Used

Python, OpenCV, NumPy, Pandas, Haar Cascade, LBPH.

4. Workflow

1. Capture dataset

2. Train LBPH model

3. Real-time recognition

4. Attendance storage

5. Results

System successfully detects and recognizes faces. Attendance is automatically saved.

6. Conclusion

This project is a fast and contactless method of recording attendance. It provides accuracy, automation, and prevents proxy attendance.