

# Project Synopsis

Class: TYBBA(CA) Sem V

## Project Title: Face Recognition Presence System

Sr.no	Roll No	Team members Name	Contact No
1	46	SALUNKE SWAPNIL	9689154024
2	49	SHAIKH SAKIB	9921989670

### Project Details:

This system is designed to automate employee attendance by using facial recognition. In traditional systems, employees manually mark their attendance. This project improves accuracy and reduces proxy attendance by recognizing each employee's face using a camera.

**1. Face Registration :** Each employee's photo and details are stored in the system.

**2. Live Face Detection :** The camera captures the face in real-time and compares it with stored faces.

**3. Attendance Marking :** If the face matches, attendance is recorded with date and time. If not, attendance is not marked.

**4. Technology Used :** Python (OpenCV), PHP, MySQL, HTML, CSS

### 5. Features:

- QR code and ID card integration
- Support for multiple cameras

### 6. Hardware requirement :

- Windows 10 or 11 (64-bit) , RAM : 4 GB , SSD (Recommended): 128 GB or more,
- Processor : Intel Core i3 (7th Gen or later) , Camera : HD webcam

### 7. Software requirement:

- TOOLS : Visual Studio, Windows 7 To Latest .
- FRONT-END : HTML, CSS, JAVASCRIPT, PHP.
- BACK-END : MYSQL,PYTHON

### 4. Project guide: Prof. Ashvini Tanpure Mam

Student 1 sign: \_\_\_\_\_

Student 2 sign: \_\_\_\_\_