A

MAJOR PROJECT REPORT

ON

"PDM FACE RECOGNITION BASED ATTENDANCE SYSTEM"

submitted in the partial fulfillment of the requirement forthe
award of degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE & ENGINEERING

SUBMITTED BY:

Abhinav Kumar

(Roll no. :- A40318046)

Batch: 2018-2022

PROJECT GUIDE:

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Certificate of Completion

This is to certify that the Project work entitled PDM FACE RECOGNITION BASED ATTENDANCE SYSTEM submitted by Abhinav Kumar(A40318046) in fulfillment for the requirements of the award of Bachelor of Technology Degree in Computer Science & Engineering at PDMU , Bahadurgarh, Haryana is an authentic work carried out by his/her under my supervision and guidance. To the best of my knowledge, the matter embodied in the project has not been submitted to any other University / Institute for the award of any Degree.

Mr. Tarun Dalal
A.P. in CSE Department
Faculty ofEngineering &Technology

DECLARATION BY THE CANDIDATE

I hereby declare that the work presented in this report entitled **"PDM FACE RECOGNITION BASED ATTENDANCE SYSTEM"**, in fulfillment of the requirement for the award of the degree Bachelor of Technology in Computer Science & Engineering, submitted in CSE Department, PDMU, Bahadurgarh, Haryana is an authentic record of my own work carried out during my degree under the guidance of **Mr. Tarun Dalal** (A.P. in CSE Department)

The work reported in this has not been submitted by me for award of any other degree ordiploma.

Date:

Place: New Delhi   **Abhinav Kumar(A40318046)**

B.Tech CSE 7th Sem

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B.tech CSE 7th Sem

ABSTRACT

Automatic face recognition (AFR) technologies have made many improvements in the changing world. Smart Attendance using Real-Time Face Recognition is a real-world solution which comes with day to day activities of handling student attendance system. Face recognition-based attendance system is a process of recognizing the students face for taking attendance by using face biometrics based on high - definition monitor video and other information technology. In my face recognition project, a computer system will be able to find and recognize human faces fast and precisely in images or videos that are being captured through a surveillance camera. Numerous algorithms and techniques have been developed for improving the performance of face recognition but the concept to be implemented here is Deep Learning. It helps in conversion of the frames of the video into images so that the face of the student can be easily recognized for their attendance so that the attendance database can be easily reflected automatically.