SMART ATTENDANCE MONITORING SYSTEM

Human face Recognition is an important branch of biometric verification and has been widely

used in many applications, such as video monitor system, attendance monitoring systems,

human-computer interaction and door control system and network security. The methods to

exploit this physical feature have been a great change since the advent of image processing

techniques. The accurate recognition of a person is the sole recognition system and identification

maybe used for further processing.

This project describes a method for student’s attendance system. The system will record the

attendance of the students in class room environment and it will provide the facilities to the

faculty to access the information of the students easily. This project reviews the related work to

the field of attendance system then describes the system architecture, implementation and results.

This project deals with the development of the system which uses face recognition for an

effective attendance system to record the presence of an enrolled individual within the respective

venue .The database is updated with the details of the students in the beginning of the course,

this data is used whenever a student appears in the class and attendance is marked for the

respective day .Thus helping the faculty members to mark attendance with less effort.

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**Base Paper Title:**

Smart Attendance Monitoring System (SAMS): A Face Recognition Based Attendance System for Classroom Environment

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**Tools used :**

**Hardware Requirements**

RAM: 512 MB RAM and above

Hard disk: 1 GB

Webcam

**Software Requirements**

Programming Tools:

MATLAB

Image Processing tool kit

Image Acquisition tool kit

Database tool kit