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SYNOPSIS

Face recognition is a technology capable of matching a human face from a digital image or a video frame against a database of a face works by pinpointing and measuring facial features from a given image. Face recognition techniques authenticate users through id verification services. These techniques are used for identifying people in photos, video, or in real-time etc. System generates the attendance of the student on the basis of presence in class. In the existing attendance management system we have to mark attendance manually. The model detects the person by analyzing the image and provides the exact result after the extraction of the facial features. This technique ensures feasibility and provides a better solution for real time problems. The proposed method is based on capturing and detecting images using face recognition methodology called KNN classifier.

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LIST OF ABBREVIATIONS

CNN	CONVOLUTIONAL NEURAL NETWORK
KNN	K-NEAREST NEIGHBOUR
LBP	LOCAL BINARY PATTERN
LBPH	LOCAL BINARY PATTERN HISTOGRAM
PCA	PRINCIPAL COMPONENT ANALYSIS
SVM	SUPPORT VECTOR MACHINE