# Abstract

This project introduces an Attendance Surveillance System using Convolutional Neural Networks (CNNs) for accurate attendance monitoring. It collects a classroom dataset, detects faces with MTCNN, and splits them for training (367 images) and testing (24 images). FaceNet's transfer learning improves recognition, achieving an 87.5% accuracy, surpassing SVM's 83.3%. Implemented with Tkinter, the system offers user-friendly functionalities like uploading images, executing recognition, and displaying results in an Excel file. CNNs streamline attendance tracking, ensuring efficiency, and reliability in educational settings.

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