

ATTENDANCE USING FACE RECOGNITION IN A CLASSROOM WITH A SINGLE CLICK

ORIGINATORS

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Abstract

One of the routine process which is common in every educational institution is marking attendance for students. People use different ways to mark attendance for students like calling their name aloud and receiving their voice output to mark the attendance. And it is time consuming process and there may be chance for mistakes. There are many ways to make this process into automation like Fingerprint based approach, RFID, Iris and facial detection and recognition. In this work, we will see about one of best and effective approach to solve this problem using machine learning process of facial detection and recognition. Initially the pictures of students will be collected and trained under different lighting conditions and nominal accuracy can be achieved. Then the model will be tested with trained datasets and this process continues until the method works well in real environment(classroom).

Keywords: Attendance, Automation, Fingerprint, RFID, Facial detection, accuracy, dataset, classroom