**Attendance Management System Using Face Recognition**

**ACS Master’s Project**

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**Abstract**:

This project aims to automate the traditional attendance system where attendance is marked manually by building an attendance system which utilizes facial recognition to mark employees' presence. It covers areas like facial detection, alignment, and recognition, along with adding photos to a real-time database, viewing, and updating the employee's total attendance on real time. The project's purpose is to serve as an efficient substitute for traditional manual attendance systems since most automated identification systems rely on conventional techniques like fingerprints, passwords, and ID scans. However, these methods are not without their drawbacks, including issues like forgotten passwords or misplaced ID cards. With the new system of working remotely, Face Recognition-based systems can efficiently track attendance regardless of location or work hours. The project will automate the process, saving time and reducing administrative burden. It will ensure accurate identification, preventing fraudulent time tracking in real time. The primary users would be corporate offices, schools, and organizations where security is essential.