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AUTOMATIC WORKING-HOURS CALCULATION SYSTEM USING FACE DETECTION & RECOGNITION

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ABSTRACT

The existing system Finger Punching System can save only starting & ending time of employee's presence in company. Employee can easily cheat the finger punching system if employee punch when he enters into office & leaves office immediately without punching. Thus, existing system can't ensure that employee is working in company when he punches in-time. Manually, checking CCTV for each employee is not efficient. Thus, most tedious job of maintaining employee record needs computerization. There are many biometric features that are suitable for recognizing human due to their uniqueness. Thus, using face detection technique we can monitor the person's presence using web camera.

Image processing system can help to analyse the biometric features. The time that registered employee is in front of the system (webcam) the system will calculate that time. This will automatically calculate the time of presence of employee in front of web cam once logins to the system.

KEYWORDS*:* Face Detection, Image Processing, Face Recognition, Pattern Matching