Face Recognition Based Attendance System

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Abstract*: Gesture recognition and pattern recognition are advancing at an exponential rate in the passing years. Hand gesture recognition has been a great research area. Hand gesture recognition system provides us a natural, innovative user- friendly way of communication with the computers. Gesture recognition has a varied area of application including human- computer interaction, sign language, game playing etc. Hand gesture recognition have enormous in human-computer interaction and robotic machinery. Today interfaces between human and computer are mouse and keyboard but in near future hand and eye gestures would replace it. Through this application, we can count the number of fingers we are showing in front of the camera. Using computer vision technology this might not give very accurate results.

Keywords: Attendance system, Computer Vision, facial recognition, Human-Computer Interaction

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