

Attendance Monitoring Using Computer Vision

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Abstract

Monitoring attendance is a very important aspect in any environment where attendance is crucial. However, many of the available attendance monitoring methods are time taking, disturbing and it requires more human intervention. The proposed system is aimed at developing a less disturbing, cost-effective, and more efficient automated student attendance management system using neural networks. In this framework, CNN is used as a classifier to recognize the facial images captured using Raspberry Pi. This system enables accurate attendance. Its targeted users are educational institutes. Hence, this prototype avails an effective solution for replacing an existing system with an embedded attendance system.

Keywords

Face recognition CNN Python Raspberry Pi Attendance system

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References