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Face Recognition with Machine Learning

Prof. DevidasV.Thosar[1], Mr, Rohit Narahare[2], Mr. Amey Kapse[3], Mr. Mayuresh Sananse[4], Mr. Hamza Khan[5]
Faculty, Department of Computer Engineering[1]
Students, Department of Computer Engineering[2,3,4,5]
Sir Visvesvaraya Institute of Technology, Nashik, Maharashtra, India

Abstract: *In this paper, we proposed a facial recognition system using machine learning, specifically support vector machines (SVM). First, a training set of different persons' faces has to be collected and used to train a face recognizer. The resulting face model can be utilized to classify people in specific individuals or unknowns. It is called a Biometric Identification based application that uniquely identifies each individual by analyzing their facial expression, face. Even though it was initially used as a computer application, it has gained broader uses in mobile platforms and other technology sectors. Facial recognition technology has become very popular and is being used everywhere from shopping Centre, airports, venues, and by law enforcement. This technology can also be used to prevent crimes such as shoplifting by identifying ex-cons. Although this technology is gaining widespread use, there are many concerns about privacy and safety. Online examinations have turned out to be the new normal. However, it is not that easy to proctor the students as rigorously as in in-centre examinations. It is essential to find an approach to proctor the online examinations too as rigorously as possible.*

Keywords: Machine Learning, Support Vector Machine. Face Detection And Recognition and Monitoring of Students During Online Examination

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