Face Recognition Based Attendance System

Prof. Sakshi Khamankar, Kalyani Kolhe and Mahee Jaiswal

Cummins College of Engineering for Women, Nagpur, Maharashtra, India

Abstract: *Face recognition-based attendance systems will likely replace traditional attendance systems in classrooms in the near future; they may even replace biometric attendance systems. The goal of our project is to create a new attendance system based on cv2. Face recognition technology is used by Facebook, which tags the names of faces when you submit photographs that have already been tagged by you. The algorithm recognizes and encodes the unique traits of the faces in the database into a pattern image. Python modules are then used to find the person's name using a machine learning approach called a classifier. The steps of the operation are image capture, facial features, face recognition, and an attendance system.*

Keywords: Face Recognition

REFERENCES

[1]. Samet R, Tanriverdi M (2017) Face recognition-based mobile automatic classroom attendance management system. In: 2017 international conference on cyberworlds (CW). Chester, pp 253–256. https://doi.org/10.1109/CW.2017.34

[2]. Bhattacharya S, Nainala GS, Das P, Routray A (2018) Smart attendance monitoring system (SAMS): a face recognition-based attendance system for classroom environment. In: IEEE 18th international conference on advanced learning technologies (ICALT). Mumbai, pp 358–360.

[3]. https://doi.org/10.1109/ICALT.2018.00090 Bao W, Li H, Li N, Jiang W (2009) A liveness detection method for face recognition based on optical flow field. In: International conference on image analysis and signal processing. Taizhou, pp 233–236. https://doi.org/10.1109/IASP.2009.5054589