

Revolutionizing Attendance with Face Recognition

Introduction

Face recognition technology is transforming attendance systems, offering enhanced accuracy and efficiency compared to traditional methods.

Face recognition technology (FRT) is transforming attendance systems with its accuracy, efficiency, and security features [5]. Benefits include enhanced accuracy, improved efficiency, scalability, cost-effectiveness, and reduced administrative burden.

The benefits of facial recognition attendance systems include enhanced accuracy, improved efficiency, scalability, cost-effectiveness, and reduced administrative burden.

However, the widespread adoption of FRT raises significant privacy and ethical concerns [1, 5]. These include the potential for data breaches, misuse of data, and lack of transparency.

Regulatory measures, such as the European Union's GDPR, aim to establish safeguards that prevent the abuse of FRT and protect individual privacy.

The lack of transparency and accountability in how facial recognition systems are deployed can lead to privacy violations, bias, and discrimination.

Conclusion

Face recognition attendance systems offer a compelling alternative to traditional methods, promising enhanced accuracy, efficiency, and security. However, addressing privacy and ethical concerns is crucial for widespread adoption.

Sources

- [1] <https://recognito.vision/top-benefits-facial-recognition-attendance-system/>
- [2] <https://www.sciencedirect.com/science/article/abs/pii/S1875952124001897>
- [3] <https://www.sciencedirect.com/science/article/abs/pii/S254266052500174X>
- [4] https://www.researchgate.net/publication/385269412_Face_Recognition_based_Attendance_System
- [5] https://www.meegle.com/en_us/topics/face-recognition/face-recognition-for-attendance
- [6] <https://identitymanagementinstitute.org/privacy-implications-of-using-facial-recognition-systems/>
- [7] <https://www.ellucian.com/blog/facial-recognition-campus-benefits-security-risks>
- [8] <https://springsapps.com/knowledge/key-risks-and-benefits-of-face-recognition-technology>
- [9] <https://www.isaca.org/resources/news-and-trends/newsletters/atisaca/2022/volume-51/facial-recognition-technology-and-privacy>
- [10] <https://research.aimultiple.com/facial-recognition-challenges/>
- [11] <https://ieeexplore.ieee.org/document/10895644/>
- [12] <https://learn.g2.com/ethics-of-facial-recognition>
- [13] <https://www.scu.edu/ethics/focus-areas/technology-ethics/resources/examining-the-ethics-of-facial-recognition/>
- [14] <https://pmc.ncbi.nlm.nih.gov/articles/PMC8320316/>