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icar2021.kuptm.edu.my

e ISBN 978-967-26577-0-5



9 78 9672 6577 05

SMART SECURITY DOOR USING FACIAL RECOGNITION

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ABSTRACT

A computer lab is a place that offers computer services to a specific population. Normally, colleges and universities give a large number of computer labs to their learners. It was an important space for individuals to come for lectures and improve their computer skills. It often has very valuable computers and items. However, sometimes the security elements of a computer lab for some unauthorized employees may not be up to the standard and easy to break. Hence, the idea is to create an advanced security system named “Smart Security Door Using Facial Recognition” for the computer labs in Kolej Universiti Poly-Tech Mara Kuala Lumpur (KUPTM). The system will have three different users, which are the Admin, Lecturer, and Students. Admin would be able to access the database of the system to registers faces of authorized personnel and access the logs of users that access the computer labs. Meanwhile, the lecturer and students would only be able to access the computer labs during lectures. In conclusion, this facial recognition system would help to enhance security and protect the computer labs from a thief or unauthorized personnel.

Keywords: smart door, security, facial recognition, security