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AI Based Locking and Unlocking of Door Based on Eye-Ball movement, Knocking pattern and Facial Recognition

Shruti Barapatre[1], Komal Chandekar[2], Pallavi Wade[3], Kashika Mehar[4], Achal Mohurle[5], Prof. Jayshree A. Shelke[6]
Students, Department of Electronics and Telecommunication[1,2,3,4,5]
Asst. Prof., Department of Electronics and Telecommunication[6]
Priyadarshini J. L. College of Engineering, Nagpur, Maharashtra, India

Abstract: *Being surrounded by ever-growing smart applications, technology is revolutionizing the world. Smart devices can be pivotal in possession of elderly and disabled people with adequate access. With the constant progress in the Technological world, concerns for safety also increase day by day. Protection like keys can be replicated quite easily. So, here is a smart security system with the use of 'Artificial Intelligence Markup Language'. Here , the security system is based on a 'Eye ball motion pattern'' knock-pattern' 'facial recognition' The task of face recognition has been actively researched in recent years. Face recognition is an important research problem spanning numerous fields and disciplines.*

Keywords: Piezo sensor, Raspberry pi, AIML, Eye-ball motion, python, ID based entry, Multi security

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