PROJECT TITLE

A PROJECT REPORT

submitted by

NAME

NAME VALUE

to

the APJ Abdul Kalam Technological University in partial fullfilment of the requirements for the award of the Degree

of

Bachelor of Technology

In

Computer Science & Engineering

Department of Computer Science & Engineering

Muthoot Institute of Technology and Science

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DECLARATION

I hereby declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously written by another person nor material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.

Place: **NAME**

Date: **NAME VALUE**

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CERTIFICATE

This is to certify that the report entitled **"PROJECT TITLE"**, *submitted by* **NAME** *to Muthoot Institute of Technology and Science, Varikoli for the award of the degree of Bachelor of Technology in Computer Science & Engineering is a bonafide record of the project work carried out by her, under our supervision and guidance. The content of the report, in full or parts have not been submitted to any other Institute or University for the award of any other degree or diploma.*

Ms.Aparna K T	Ms.Sheena K.V.	Ms.Rakhee M
Project Guide	Project Coordinator	Head of the Department

Place

Date

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ABSTRACT

This project introduces a novel approach to enhance security and user authentication in Automated Teller Machine (ATM) transactions by developing a robust model for real-time face visibility detection. The proposed system aims to identify instances where a person's face is covered or inadequately visible during ATM transactions, providing an additional layer of security and preventing potential unauthorized access.

The system leverages advanced computer vision techniques, utilizing deep learning algorithms to analyze live video feeds from ATM cameras. The model is trained on a diverse dataset to accurately recognize variations in facial visibility caused by factors such as clothing, accessories, and lighting conditions. By employing state-of-the-art image processing and facial recognition technologies, the system can promptly assess whether a user's face is covered or not, ensuring a reliable authentication process.

Upon detection of insufficient face visibility, the system triggers a notification mechanism, alerting relevant authorities or the account holder to the potential security threat. This proactive approach enhances user safety and mitigates the risk of fraudulent transactions or unauthorized access to ATM services.

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