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information technology –collage

Information Security Department

Study: (morning)



Anomaly Detection with Keystroke Dynamics using Support Vector Machine

**A Graduate Project Submitted to the Department of Information
Security of the College of Information Technology, University of
Babylon, in Partial Fulfillment of the Requirements for the Bachelor's
degree in Information Security of Information Technology.**

STUDENT'S NAME

Marwa Muhammad Malik

Supervised by

Asist. Prof. Dr. Ahmed Khelfa Al-Ajeli

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ABSTRACT

The project addresses the problem of detecting anomalies in the writing style, as it aims to develop a system capable of identifying normal behavior and anomalies in the writing style of users.

This is done by recording and analyzing information about how you type, such as how long and in what order you press buttons, and using machine learning techniques to develop accurate classification models.

The developed models are evaluated and improved based on the achieved results, and are finally applied to new data to detect anomalies and take necessary actions. These are the basic steps for building an effective typing anomaly detection system and enhancing security and monitoring in many areas.

The expected outcomes of a writing style anomaly detection project can be diverse and include:

Prediction accuracy, detection efficiency, response time, performance improvements and loss reduction

By achieving these results, the main goal of the project can be achieved, which is to develop an effective system for detecting writing pattern anomalies and enhancing security and monitoring in many areas.