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كشف الوجه بالفيديو وتتبعه باستخدام الشبكات العصبية

## **video face detection and tracking using neural networks**

A Project

Submitted To Council of the College of Information Technology,  
University of Babylon, Department of Information Networks in  
Partial Fulfillment of the Requirements for the Group Project

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## **Abstract**

The research “Visual detection and tracking of faces in video using neural networks” aims to improve the computer’s ability to detect and track faces in videos using neural network techniques. This is done by developing neural models that learn from data and analyze successive frames in video to determine the locations of faces and track them over time.

The benefits associated with this research relate to improving the accuracy of face detection in video and increasing the reliability of the tracking process. The research results can be used in multiple fields such as security and surveillance, augmented reality and virtual reality applications, and facial recognition technologies. In addition, the use of neural networks can improve the efficiency of the detection and tracking process and reduce the human efforts required.

Overall, this research aims to develop advanced techniques for visual detection and tracking of faces in videos, which contributes to improving accuracy, reliability and efficiency in this field.