



Ministry of Higher Education and
Scientific Research
University of Babylon
College of Information Technology
Department of Information Security



Study: (Morning, Evening)

Information Hiding Techniques in Medical Image

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 the Information Security of Information Technology.

By

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Supervised by

2023-2024

Abstract

It has been observed in recent times that attacks on information have increased and there have been many attempts to gain unauthorized access to confidential and personal information, including photos. An urgent need has emerged to devise methods and ideas to protect this data from tampering or unauthorized access while sending or transferring it. One of the best ways to protect data is to hide it. The data is inside images so that it is invisible when it falls into the hands of the wrong people, but in light of the development we are experiencing today, this work has become relatively insufficient, so we resort to other methods to increase strength and durability against attacks, or choose methods and techniques such as encrypting data or images before hiding them or the cover image. It is not suspicious, as we relied in this research through the use of medical images to transmit confidential images, as medical images are considered distracting and remove suspicion that they contain confidential information or images. They serve as an additional step to protect data against attacks and ensure the integrity and quality of access of the information to the concerned party in full. Its confidentiality and safety from tampering or discovery