

Assoc. Prof. Mohamed Taha: "Forensic Document Examination (FDE)"
Topic abstract

Forensic Document Examination (FDE) is a specialised field within forensic science that focuses on the analysis and verification of documents to determine their authenticity and origin. A core aspect of FDE is handwriting analysis, which involves the comparison of individual writing characteristics to identify authorship or detect alterations. Closely related is the examination of signature forgery, where experts analyse the pressure patterns, stroke sequences, and stylistic consistency to distinguish genuine signatures from fraudulent ones. FDE also encompasses a range of document analysis techniques, such as ink comparison, paper examination, and the detection of erasures or additions. A critical tool in this process is the Video Spectral Comparator (VSC), which allows examiners to analyse documents under various wavelengths of light to reveal hidden or altered information, differentiate inks, and assess security features. Collectively, these methods contribute to the accurate assessment of questioned documents in both civil and criminal investigations.