

REVIEWER'S REPORT

Manuscript No.: JNCS -081

Title: DIGITAL FORENSICS IN MODERN COMPUTING: INVESTIGATION TECHNIQUES, CHALLENGES, AND FUTURE RESEARCH.

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		—		
Techn. Quality		—		
Clarity		—		
Significance	—			

Reviewer Id: JPR-202

Reviewer's Comment for Publication.

The manuscript provides a comprehensive and well-structured review of digital forensics in modern computing, covering the fundamental stages of digital investigation, evidence preservation and acquisition, integrity verification, file-system and memory analysis, mobile, network, cloud, and IoT forensics. The discussion effectively addresses significant contemporary challenges such as increasing evidence volumes, encryption, rapidly changing technologies, distributed cloud-based evidence, evidence integrity, attribution, privacy, and legal requirements. The inclusion of artificial intelligence and automation, along with future directions such as standardised forensic evaluation, automated evidence correlation, cloud forensic readiness, privacy-preserving investigation, and auditable AI, enhances the relevance of the review. However, the methodology could be strengthened by clearly specifying the literature search strategy, databases, publication period, and inclusion/exclusion criteria, while a more critical comparison of existing forensic techniques and tools would improve the technical depth. Minor improvements in citation consistency, language, and presentation are also recommended. Overall, the manuscript is informative, technically relevant, and suitable for publication after minor revision.