

Unravelling Murder Mysteries: Role of Forensic Analysis Techniques in Sri Lanka

H de Silva^{1#}

¹Security Analyst for Government of Sri Lanka, Ministry of Defence, Sri Lanka

[#]nhddesilva@gmail.com

Abstract

This research paper focuses on the importance of forensic analysis techniques in identifying murder criminals within the context of Sri Lanka. When it comes to solving murder cases in Sri Lanka, forensic analysis techniques play a pivotal role. By employing scientific methods and cutting-edge tools, forensic experts help uncover the truth behind heinous crimes. The research study employs a comprehensive literature review and qualitative research approach through unstructured interviews to investigate the role and significance of various forensic analysis techniques, including DNA analysis, fingerprint analysis, ballistics analysis, toxicology and chemical analysis, and trace evidence analysis. The research questions aim to understand how these techniques contribute to the identification of murder criminals and the challenges and opportunities involved in their application in murder investigations in Sri Lanka. The research objectives include examining the utilization of forensic analysis techniques in murder investigations, identifying their specific contributions in linking suspects to crime scenes and strengthening evidence, and exploring the challenges and opportunities associated with their application. The study aims to examine the utilization of these techniques in murder investigations, identify their specific contributions in linking suspects to crime scenes and strengthening evidence, and explore the challenges and opportunities associated with their application. The findings highlight the crucial role played by forensic analysis techniques in connecting suspects to crime scenes and establishing evidentiary links, thereby enhancing the overall investigative process in the Sri Lankan criminal justice system.

Keywords: *Forensic Analysis Techniques, Murder Investigations, Criminal Justice System*