

Heroes Behind the Hazmat: Chemical, Biological, Radiological and Nuclear Combat Engineers Dominating the Pandemic Battlefield

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Abstract

In the midst of a global pandemic, the role of Chemical, Biological, Radiological and Nuclear (CBRN) combat engineers is crucial in mitigating its impact. This article aims to explore the multifaceted contributions of CBRN combat engineers in Corps of Sri Lanka Engineers Regiment (SLE) pandemic mitigation. This research paper aims to provide a comprehensive analysis of the role of CBRN combat engineers during a pandemic, examining their contributions, challenges faced, and recommendations for enhancing their effectiveness in pandemic response efforts in Sri Lanka Army. The research questions addressed are: How do CBRN combat engineers contribute to pandemic mitigation through their various responsibilities? What challenges do CBRN combat engineers face during a pandemic, and how can their effectiveness in pandemic response be improved? The research objectives involve analysing the roles and responsibilities of CBRN combat engineers such as quarantine zone establishment, decontamination protocols, and CBRN hazard assessment. Additionally, the study aims to identify challenges faced by CBRN combat engineers and propose strategies to enhance their effectiveness in pandemic response efforts. By employing a mixed-methods approach, including literature review, interviews, and empirical data collection, this research seeks to provide valuable insights into the critical contributions and potential improvements in the role of CBRN combat engineers during a pandemic. In conclusion, CBRN combat engineers are crucial in pandemic response, managing quarantine zones, decontamination, and CBRN hazards etc. By addressing challenges and providing better support and coordination, their effectiveness can be enhanced. Investing in their training and resources prepares them for future pandemics, safeguarding communities. Strengthening their role ensures a resilient response and improved global outcomes.

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