

Shocking Shortage: The Electrical Trade Crisis in the Eastern Cape, South Africa

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Abstract : This research paper explores the root causes of the shortage of professional electricians in the Eastern Cape, South Africa. The primary objectives are to identify the underlying reasons contributing to this deficit, analyze the consequences of the shortage, and propose practical solutions to address this critical issue. The research employed an interpretivist paradigm and an inductive approach. Qualitative data was gathered through semi-structured interviews with professional electricians working in the Eastern Cape. Thematic analysis was used to identify common themes and comprehensively understand the issue. The analysis revealed that the shortage of electricians can be attributed primarily to training challenges and a lack of awareness within the industry. This shortage has significant repercussions, as it has led to the proliferation of unqualified electricians, exacerbating the problem. The study identified two key solutions to address this issue: promoting education and trade programs and transforming electrical instruction and education. The research was conducted in the Eastern Cape and reflects the viewpoints of professional electricians. Results may differ in other locations or where the effects are investigated from a client's perspective. The research uncovers the root causes of the electrician shortage and offers valuable insights for devising effective solutions to address these challenges. This paper adds a significant dimension to the current literature gap. The study's findings underscore deficiencies in awareness and training as fundamental factors driving the shortage of electricians, emphasizing the urgent need to address these issues to bridge the gap.

Keywords : electrician shortage, skill gap, training, awareness

Conference Title : ICCEM 2024 : International Conference on Construction Engineering Management

Conference Location : Dublin, Ireland

Conference Dates : August 29-30, 2024