THE INFLUENCE OF EXTERNAL RISK ACTORS ON CONSTRUCTION PERFORMANCE IN THE SRI LANKAN CONSTRUCTION INDUSTRY

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DECLARATION

I hereby certify that this Dissertation entitled "**The Influence of External Risk Factors On Construction Performance In The Sri Lankan Construction Industry"** written and submitted by me to the University of Moratuwa, in partial fulfilment of the requirement for the award of Post Graduate Diploma in Construction Project Management under the supervision and guidance of Dr. Chandana Siriwardana

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ABSTRACT

The escalating prevalence of external risk factors within the Sri Lankan construction industry has prompted a critical examination of the role these factors play in influencing construction performance. Despite the abundance of construction-related challenges, there exists a notable gap in the literature regarding the direct impact of external risk factors on construction performance, specifically within the Sri Lankan context. While previous research has extensively explored the broader implications of technology in education, its specific effects on construction outcomes remain inadequately defined. This study aims to address this gap by delving into the intricate relationship between external risk factors and construction performance, providing a nuanced understanding of their implications. The research contributes to existing knowledge through a meticulous review of available literature, culminating in the development of a comprehensive model. This model serves as a valuable addition to the ongoing discourse and sets the stage for future investigations in the field. The study employs robust methodology, primarily utilizing multiple regression modeling to test hypotheses. Employing descriptive statistics, regression and correlation analyses, as well as validity and reliability testing, the research methodically explores the depths of the theme. Data collection is executed through a self-administered questionnaire, employing a non-probabilistic convenience sampling method. Statistical analyses are conducted using SPSS, with responses gathered from a representative sample of 48 participants within the Sri Lankan construction industry. The results of this study unveil a profound and significant influence of external risk factors on construction performance, offering a comprehensive understanding of how these factors shape outcomes within the industry.

Keywords: Construction industry, Construction performance, External risk factors, PESTLE

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