

Research Issues

RSC811-Assignment 6

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Research Title : العنوان

Title : "The role of cybersecurity and policy awareness in shifting employee compliance attitudes: Building supply chain capabilities"

The title is clear and accurately reflects the study's subject, focusing on how cybersecurity awareness and policy compliance impact employee attitudes and enhance supply chain capabilities.

Research Field: The study is highly relevant, given the increasing importance of cybersecurity in supply chain management. It provides valuable insights into how employee awareness influences security compliance, a crucial issue in today's digital landscape.

Introduction : المقدمة

The introduction provides a clear background on the significance of cybersecurity in supply chains and how employee behavior affects compliance.

However, it could benefit from more explicit details about the study's variables and their relationships.

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Problem Statement : مشكلة الدراسة

The study identifies a research gap, noting that SMEs often lack cybersecurity awareness, making them vulnerable to cyber threats. The problem is well-articulated and grounded in previous research.

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أهمية الدراسة : Importance of the Study

Theoretical Importance: Contributes to the academic understanding of factors influencing cybersecurity compliance, particularly in SMEs.

Practical Importance: Provides actionable recommendations for decision-makers to improve cybersecurity awareness among employees, ultimately reducing cyber risks.

Objectives of the Study : أهداف الدراسة

Objectives: The study aims to analyze how cybersecurity and policy awareness influence employee compliance in SMEs. These objectives are realistic and achievable based on the methodology used.

Achievement of Objectives: The study achieves its objectives by analyzing interviews with over 40 policymakers and senior private sector managers, as well as public documents.

مفاهيم وتعريفات الدراسة : Concepts and Definitions

The study clearly defines key variables such as cybersecurity awareness and compliance behavior. It is based on Protection Motivation Theory (PMT), which helps explain the relationships between these variables.

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Previous Studies - الدراسات السابقة

Literature review :

The paper thoroughly reviews past research on cybersecurity awareness and compliance in SMEs. It also discusses previous applications of PMT in understanding employee security behavior.

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Hypotheses : فرضيات الدراسة

The study presents well-structured hypotheses linking cybersecurity awareness to employee compliance behavior. These hypotheses are supported by a strong theoretical framework.

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Study Model : نموذج الدراسة

Study Model:

A conceptual model is provided to illustrate the relationships between the variables. The model effectively represents how cybersecurity awareness influences employee compliance.

Methodology and Statistical Analysis: منهجية الدراسة و التحليل الاحصائي

Research Method:

The study used surveys to measure employee cybersecurity awareness and compliance behavior.

Sample: 200 SMEs in Malaysia.

Statistical Analysis: The study employed Partial Least Squares Structural Equation Modeling (PLS-SEM) to test hypotheses and ensure data validity.

Discussion of Results and Recommendations : مناقشة النتائج والتوصيات

Findings: The study confirms that increased cybersecurity awareness positively impacts employee compliance.

Comparison with Literature: The results align with previous research, reinforcing the idea that awareness programs can improve compliance behavior.

Recommendations: The paper suggests enhancing cybersecurity training programs and increasing awareness of cybersecurity policies within SMEs.

Future Research: It recommends expanding the study to include other industries for broader applicability.

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Overall Assessments :

The study is well-structured, methodologically sound, and contributes significantly to understanding cybersecurity awareness in SMEs.

However, it could provide more details on moderating variables and their potential impact on the results. The paper contributes to the field by addressing gaps in the literature and suggesting future research directions.

Article link :

<https://www.sce.carleton.ca/faculty/wainer/papers/1-s2.0-S0268401222000548-main.pdf>