



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم



شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



MONA MAGHRABY



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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MONA MAGHRABY



Ain Shams University
Faculty of Business
Economics Department

“The Role of Information and Communication Technology (ICT) in supporting the achievement of some Sustainable Development Goals (SDGs) in Egypt”

" دور تكنولوجيا الإتصالات و المعلومات في دعم تحقيق بعض أهداف التنمية المستدامة في مصر "

(Thesis submitted in partial fulfillment of the PHD degree in Economics)

Submitted by

Noha Yahya Zakaria

Assistant Lecturer – Economics Department
Faculty of Commerce – Ain Shams University

Under supervision of

Prof. Dr. Ihab Nadeem

Professor of Economics
Faculty of Business
Ain Shams University

Prof. Dr. Kholoud Hossam

Professor of Economics
Faculty of Commerce
Azhar University

2021



Ain Shams University
Faculty of Business
Economics Department

Approval Sheet

Thesis Title: The Role of Information and Communication Technology (ICT) in supporting the achievement of some Sustainable Development Goals (SDGs) in Egypt

Researcher Name: Noha Yahya Zakaria

Academic Degree: PhD in Economics

Dissertation Committee

Professor Dr. / Ihab Nadeem

Chair and Supervisor

Professor of Economics, Faculty of Commerce, Ain Shams University

Professor Dr. /Amr El-Taki

External Examiner

Professor of Economics, Previous President of Sadat Academy for Management Sciences

Associate Professor Dr. /Eman Hashem

Internal Examiner

Associate Professor of Economics, Faculty of Commerce, Ain Shams University

Authorization Date / / 2021

Approval Seal

Dissertation approved in

/ / 2021

Faculty Board Approval

University Board Approval

/ / 2021

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَمَا تَوْفِيقِي إِلَّا بِاللَّهِ
عَلَيْهِ تَوَكَّلْتُ وَإِلَيْهِ أُنِيبُ

Dedication

To

*My beloved father, My kindhearted mother, My
Backbone Brother and My Lovable son...*

*I wholeheartedly dedicate this effort for you ... you were
and are always the source of my inspiration, strength,
advice, infinite support and unconditional love*

*Thank you for instilling the love of learning from an
early stage... Thank you for supporting me to strive for
my dreams... Thank u for everything*

*No enough words can describe what you have done and
how grateful I am.*

Acknowledgment

First, I praise God, the Almighty, Merciful and Gracious for granting me the opportunity, capability, motivation and strength to complete this study.

I would like to refer to specific people who provided me inspiration, assistance and guidance throughout my journey in seeking learning:

*I would like to express my sincere gratitude to my 1st supervisor and God father **Professor Dr. Ihab Nadeem**, professor of economics in the Faculty of Business at Ain Shams University, for his continuous support, encouragement and guidance since my first day as a student, you were always guiding me, teaching me with patience, love and care. Thank u for always being role model for all your students... Thank u for being my god father.*

*I would like to thank my 2nd supervisor **Professor Kholoud hossam**, professor of economics in the faculty of commerce at Azhar University and president of faculty of commerce at Asuit University for her infinite support, patience and continuous motivation. It was a great comfort and honor to work under supervision... Thank u for believing in my capabilities.*

*I would like to thank **Professor Dr. Amr El-Taki**, previous president of Sadat Academy for kindly accepting to participate in the discussion and professionalism in the evaluation of this thesis, in addition to his gentle way in advising, useful remarks and valuable instructions.*

*I would like to express my gratitude to **Associate Professor Dr. Eman Hashem** at Faculty of Business at Ain Shams University for sharing her time and efforts since the 1st day of my work. Simply, without her guidance I would not have accomplished any progress in my career life. With my warmest affection I appreciate all your efforts, patience, caring and support ... Thank u for being always by myside.*

*Special thanks for those who were guiding me throughout the past 10 years in the scientific research field, since the first day of my work, **Dr. Wael Fawzy, Dr. Dina Mohyee**.*

*In addition to those who added a great value in my learning path **Prof. Abeer Farahat, Prof. Youmn El-Hamaky, Dr. Hossam Abdelkader***

*I would like to thank all the people who contributed in some way to the work described in this thesis, especially my colleague **Nesma abdelsabour** who was always by my side encouraging and supporting me to complete my words and my colleague **Essmat El-Sadat**.*

Finally, warmly and deeply from my heart I would like to express my greatest gratitude, appreciation for my family members. I am truly indebted for my mother and brother prayers every day and night... I am deeply thankful for being inspired by my lovely son ...

Thank u in believing in my efforts when I was not.

Abstract

Sustainable Development Goals (SDGs) have spotted worldwide insights on the growing necessity of an action plan for people, prosperity and planet. For this, the aim of thesis is to explore the extent of Information and Communication Technology (ICT) role in supporting the achievement of SDG (9) (Industry, Innovation and Infrastructure), SDG (8) (Decent work and Economic Growth) and SDG (7) (Affordable and Clean Energy) in Egypt during the period (2007-2019). The thesis started with presenting a literature review on the role of ICT in enhancing the achievement of United Nations (UN) Sustainable Development Goals (SDGs). Then, it performed a descriptive analysis through evaluating the Egyptian case study concerning using ICT in SDGs (9), (8) and (7). And assured it by conducting two applied studies, one concerning MENA countries using panel model data for the period (2007-2019) and another one concerning Egypt using Cross section method through applying the Hybrid OLS and Heteroskedasticity-corrected Model. The thesis resulted with 12 cross section models concerning Egypt assuring that there was a positive significant impact of ICT on SDGs (9), (8) and (7) in Egypt during the period (2007-2019).

Keywords: Information and Communication Technology, Sustainable Development Goals, United Nations, Infrastructure, Industry, Innovation, Economic growth, Decent Work, Clean energy, Affordable energy, Egypt, Hybrid OLS and Heteroskedasticity-corrected Model.

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