

# **THE ROLE OF SOCIAL MEDIA IN EMPOWERING THE INVOLVEMENT OF WOMEN IN INFORMATION TECHNOLOGY WORKFORCE IN IRAQ**

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# **THE ROLE OF SOCIAL MEDIA IN EMPOWERING THE INVOLVEMENT OF WOMEN IN INFORMATION TECHNOLOGY WORKFORCE IN IRAQ**

**A dissertation submitted to Dean of Awang Had Salleh Graduate School in**

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## Abstrak

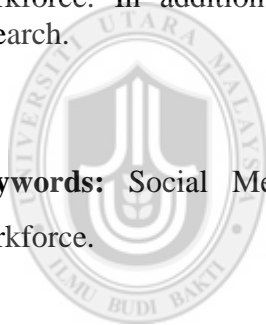
Kurangnya penglibatan tenaga kerja golongan wanita dalam bidang Teknologi Maklumat (TM) di Iraq dapat diperhatikan sejak beberapa tahun kebelakangan ini. Hakikatnya, penggunaan media sosial secara meluas dan rancak di Iraq merupakan salah satu cara yang berkesan yang boleh memperkasakan golongan wanita sebagai tenaga kerja dalam bidang TM. Kajian ini bermatlamat untuk menyelidik kesedaran wanita tentang penggunaan media sosial yang memperkasakan mereka sebagai tenaga kerja dalam bidang TM dan peranan media sosial untuk memperkasakan wanita dalam sektor ini. Untuk mencapai objektif kajian dan bersandarkan teori feminisme siber, kajian ini melakukan satu tinjauan dalam kalangan pelajar wanita di Kolej Pendidikan Ibn al-Haytham, Universiti Baghdad. Kajian ini cuba melihat cara media sosial meningkatkan bilangan penglibatan golongan wanita sebagai tenaga kerja dalam bidang TM. Satu sampel kajian yang melibatkan seramai 162 orang pelajar wanita dari kolej tersebut telah digunakan. Kaedah kuantitatif digunakan untuk mengutip data. Dapatan kajian menunjukkan terdapat hubungan yang signifikan antara kesedaran wanita dan galakan kepada penglibatan wanita sebagai tenaga kerja dalam bidang TM menerusi penggunaan media sosial. Selain itu, terdapat hubungan yang signifikan antara pemerksaan golongan wanita dengan galakan kepada penglibatan wanita sebagai tenaga kerja dalam bidang TM menerusi penggunaan media sosial. Oleh yang demikian, kesedaran wanita dan pemerksaan wanita melalui penggunaan media sosial merangsang penglibatan wanita sebagai tenaga kerja dalam bidang TM. Selain itu, kajian ini turut menyarankan beberapa cadangan untuk kajian pada masa yang akan datang.

**Kata kunci:** Media sosial, Pemerksaan wanita, Teori feminisme siber, Tenaga kerja TM.

## Abstract

The underrepresentation of the women workforce in the field of Information Technology (IT) in Iraq has been closely observed over the last few years. One of the facts is that social media have been widely and intensively used in Iraq, which is an effective way to empower women in the IT workforce. This study aimed to investigate women's awareness of using social media to get empowered in the IT workforce as well as the role of the social media in women empowerment in this sector. In order to achieve the objectives of this research and based on the theory of cyberfeminism, the current study conducted a survey amongst the female students of the University of Baghdad - College of Education Ibn al-Haytham and tried to find out how the use of social media is contributing to the growth of women participation in the IT workforce. For this purpose a sample of 162 female students was taken from this college. The quantitative method was used to collect data for this study. The findings in this study revealed there was a significant relationship between women's awareness and the encouragement of women in the IT workforce through the use of the social media. Besides, there was a significant relationship between the empowerment of women and the encouragement of women in the IT workforce through the use of the social media. Hence, women's awareness and empowerment of women through the social media encouraged the involvement of women in the IT workforce. In addition, this study recommends several suggestions for further research.

**Keywords:** Social Media, Women empowerment, Cyberfeminism theory, IT workforce.



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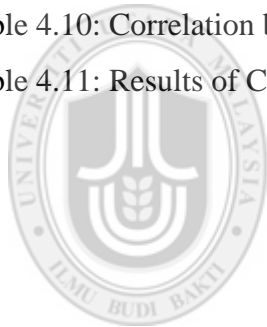
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## List of Abbreviations

<b>CSO</b>	Central Statistical Organization
<b>COBOL</b>	Common Business Oriented Language
<b>CS</b>	Computer Science
<b>DV</b>	Dependent Variable
<b>ENIAC</b>	Electronic Numerical Integrator and Computer
<b>IV</b>	Independent Variable
<b>IT</b>	Information Technology
<b>STEM</b>	Science, Technology, Engineering and Mathematics
<b>SPSS</b>	Statistical Packages Social Science
<b>UNDP</b>	United Nations Development Programme
<b>VIF</b>	Variation Inflation Factors
<b>AQ</b>	Awareness Questions
<b>EQ</b>	Empowerment Questions
<b>ENQ</b>	Encouragement Questions
<b>MIS</b>	Management Information System
<b>SD</b>	Standard Deviation

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# CHAPTER ONE

## INTRODUCTION

### 1.1 Introduction

Information Technologies (IT) refers to the integration of telecommunication networks, computers, and audio-visual systems used to create, access, store, transmit, and manipulate information (Bolanle, Zhang, Oluwadare & Akintola, 2013). With such integration, it supports various applications in various fields like business, education, healthcare, and entertainment. Currently, it integrates also digital social media networks such as Facebook, Twitter, and YouTube (Ajjan, Beninger & Crittenden, 2014). There are literally hundreds of different social media platforms (e.g., blogging, micro-blogging, social networking, text messaging, shared photos), in which they have fundamentally changed the way individuals, communities, and organizations communicate and collaborate (Correa, Bachmann, Hinsley & de Zúñiga, 2013). Currently, social media is referred to as a web-based service that allows individuals to construct a public or semi-public profile within a bounded system (Borrero, Yousafzai, Javed & Page, 2014).

Having been incorporated with various utilities, social media has infiltrated people's daily life with amazing rapidity to become an important social platform for computer-mediated communication (Lin & Lu, 2011). This is because they create, share, and/or exchange information and ideas in virtual communities and networks (Poonia, Scholar & Bhurani, 2014) by providing a variety of new behaviours that were not previously possible, such as online collaborative authoring, online collaborative reviewing, online collaborative editing, online collaborative associating, and online collaborative experimenting. The use of social media with its



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