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Investigating the Factors Affecting Knowledge Sharing within Sudanese Scientific Group on Social Media

التحقق من العوامل المؤثرة على مشاركة المعرفة بين المجموعة العلمية
السودانية على وسائل التواصل الاجتماعي

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ اللَّهُ تَعَالَى:

﴿ فَتَعَالَى اللَّهُ الْمَلِكُ الْحَقُّ وَلَا تَعْجَلْ بِالْقُرْآنِ مِنْ قَبْلِ أَنْ يُقْضَىٰ إِلَيْكَ وَحْيُهُ وَقُلْ رَبِّ زِدْنِي عِلْمًا ﴾

الآية ﴿١١٤﴾ سورة طه
صدق الله العظيم

Dedication

To my parents for their love and support throughout my life.....

To my beloved brothers and sisters....

To my Teachers,Students,Friends,everyone who have been a part of my life.....

Acknowledgement

I would like to give thanks, praise to God, and express my earnest gratitude for allowing me to continuously discover myself through good health, and a sound and balanced life to complete this research.

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Abstract

Social networking sites are a way to connect all users to each other and help disseminate information and acquire knowledge. The problem is that there is a need to investigate the factors that affect the knowledge sharing in the scientific group, there is no obvious model and the process of sharing knowledge in scientific groups. So there is a need to solve this problem. Research objectives are analyze the main attributes used to evaluate the knowledge sharing activities in scientific group, propose a model for these attributes that affect knowledge sharing, verify the model, and investigate the factors that affect knowledge Sharing with Scientific Group) on Social media. The proposed model contains attributes such as rate of use of scientific subjects (daily, weekly, monthly, rarely) in sharing the knowledge time spent in the social network scientific group in order to gain the new knowledge and the type of knowledge that is shared (videos, pictures, audio clips and text files). As the main attributes that knowledge sharing these features had been analyzed and found to have an impact on the share of knowledge. Research conclude this model have to be one of the tools and guide line when the consideration is about analyzing the impact of science group activities in social network on sharing knowledge This research recommends to use this model to investigate the impact of scientific group activities in network sharing systems.

المستخلص

مواقع الشبكات الاجتماعية هي وسيلة لربط جميع المستخدمين مع بعضهم البعض والمساعدة في نشر المعلومات واكتساب المعرفة ومعرفة جديدة تسمى الاجتماعية لأنها تأتي من مفهوم "بناء المجتمع". يتم تصنيف هذه المواقع على أنها مواقع من الجيل الثاني تساعد على مشاركة المعرفة. مشكلة البحث هي أن هناك بعض العوامل التي تؤثر سلباً على عملية تبادل المعرفة في المجموعة العلمية ولكن لا يوجد سجل لهذه العوامل لذلك نحن بحاجة إلى استكشاف هذه العوامل والصفات التي تؤثر على تبادل المعرفة ، لا يوجد نموذج يوضح عملية تبادل المعرفة في المجموعات العلمية. لذلك هناك حاجة لحل هذه المشكلة للسمات التي نحتاج إلى بنائها.

أهداف البحث هي تحليل السمات الرئيسية المستخدمة في تقييم أنشطة مشاركة المعرفة في المجموعة العلمية ، واقتراح نموذج للسمة التي تؤثر على تبادل المعرفة ، والتحقق من النموذج لاستكشاف العوامل التي تؤثر على تبادل المعرفة مع المجموعة العلمية) على وسائل التواصل الاجتماعي. تبحث هذه الدراسة في أهمية المجموعات العلمية في التواصل الاجتماعي وتأثيرها على نشر المعرفة من خلال تطوير نموذج مقترح يقيس تأثير أنشطة المجموعات العلمية على نشر المعرفة باستخدام أنواع الوسائط المختلفة.

يحتوي النموذج على سمات مثل معدل استخدام المواد العلمية (يوميًا ، أسبوعيًا ، شهريًا ، نادرًا) في مشاركة وقت المعرفة الذي تقضيه في المجموعة العلمية للشبكة الاجتماعية من أجل اكتساب المعرفة الجديدة ونوع المعرفة التي يتم مشاركتها (مقاطع الفيديو والصور ومقاطع الصوت والملفات النصية). باعتبارها السمة الرئيسية لمشاركة المعرفة ، فقد تم تحليل هذه الميزات ووجدت أن لها تأثيرًا على حصة المعرفة. ويخلص الباحث إلى أن هذا النموذج يجب أن يكون أحد الأدوات وخط التوجيه عندما يكون الاعتبار يدور حول تحليل تأثير أنشطة مجموعة العلوم. في الشبكة الاجتماعية لتبادل المعرفة يوصي هذا البحث باستخدام هذا النموذج لاستكشاف تأثير أنشطة المجموعة العلمية في أنظمة مشاركة الشبكة.

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List of Abbreviations:

Abbreviations	Terms
COP	Community of practice
IT	Information technology
ICT	Information and Communication Technology
SNS	Social Network Sites