Smart Library: The Concepts, Dimensions, Elements and Technology

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Abstract

The advancements of smart technology have lead to new concepts for libraries and their services, namely "smart libraries" and "smart technologies". The concept of smart library has appeared more than tow decades ago and has been used in allof the libraries all over the world in library literature. The present study reviewed the phenomenon smart library and smart technology. The role of s mart library required usig smart technologies such as AI, IoT,…etc. The study reviewed the definitions of smart library, its dimensions, elements, as well as its services. The role of SL librarian is mentioned. The necessary tools and equipments for SL also explained. The study concluded with a number of results derived from SL literature analysis and a number of recommendations are presented.

Keywords:

Smart library, Smart technology, Smart libraries.

The use of artificial intelligence tools in scientific research
An analytical study

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Abstract:

The role of library and information specialists is currently increasing to unite efforts to make science more accessible and better understood, to conduct evidence-based discussions with scientific research on the main issues of our time, with a focus on bridging the knowledge gap and benefiting from the technological revolution in the world of artificial intelligence, to serve the information society in general and the field of research. In particular, it introduced and invested artificial intelligence techniques in its activities to achieve the three functions entrusted to it (teaching - scientific research - and community service). As well as identifying the most important challenges facing faculty members and researchers in the field of libraries and information towards the use of artificial intelligence tools and benefiting from them in the field of scientific research. Representing all members of the academic staff who are specialists in the field of libraries and information, and the study reached many results, the most important of which are: Self-learning was the most frequent method of acquiring knowledge of artificial intelligence tools, with a rate of 47.9% of the total choices of the study sample. The most important tools were for intelligence. The artificial intelligence used in searching for and obtaining information sources is Google scalar by 54.7% of the study sample, and one of the most important artificial intelligence tools used to search within files and texts and obtain them is Data search by 47.2% of the study sample and other results.

Keywords:

Artificial intelligence; digital scientific research skills; information institutions.

The effectiveness of a proposed training program for developing cybersecurity awareness among female students of the College of Arts and Humanities: an empirical study

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Abstract:

This study deals with identifying the effectiveness of a proposed training program to develop cybersecurity awareness among female students of the College of Arts and Humanities at Taibah University. Analyze and measure the effectiveness of the proposed training program in terms of strengths and consolidation and weaknesses and work to present remedial suggestions to address them, and the importance of the study lies in the importance of cybersecurity itself, in protecting data and devices and their safety from the risks of cyber violations and maintaining information integrity by limiting unauthorized access This comes in accordance with the important role of cybersecurity as one of the necessary requirements to protect our contemporary societies from various forms of cybercrime. With the concept of cyber security and the prevention of the risks of cyber intrusion, It was applied to a random sample so that the sample number reached 192 tribal forms and 189 dimensional forms from the students of the Faculty of Arts and Humanities at Taibah University, where the study reached a number of results in theory, namely that the

concept of cybersecurity must include all procedures used to protect information, data and networks And choosing the appropriate means of protection from various intrusions, and it is also inferred that there is a necessity for the cooperation of all parties and sectors of the state to form a system that combines its efforts in educating citizens and limiting cyber intrusions. Cyber security by 38%, and after presenting the training program, their percentage reached 84.8%. The study also found that they need training courses in the field of cybersecurity, as their percentage before the program reached 80% and after the presentation of the program their percentage reached 84%, and one of the most important recommendations of the study is the need to provide programs Intensive awareness training related to cybersecurity, as well as the importance of adding educational materials and courses related to cybersecurity, as well as activating security departments. For cyber security in educating university students about cyber security.

Keywords: Cyber security; The national cyber security authority; Cyber security in universities.

Archive and its services in the metaverse era and its techniques: prospective study

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Abstract:
This research aims to produce a future idea capable of bringing about development in the field of archival services. Presenting the traditional archival services and their technical components through a digital strategic vision that guarantees their effectiveness in the metaversal environment. With a presentation of the most prominent metaverse techniques and how to employ them in archival services, In order to achieve integration between archival services and metaverse technologies, which qualifies it to achieve sustainable archival development and build a metaverse digital archive, Explaining its features, objectives, characteristics, requirements, functions, and most important benefits, Based on the international standards for the development of the metaversal environment, And using the descriptive analytical method, which resulted in a set of results, most notably: Institutional weakness in keeping pace with modern technologies physical hardware, humanly and financially; the occurrence of a digital divide, and based on these results; The search found A set of recommendations, the most important of which are: digital skills development; Digitization of documentary materials for easy retrieval and provide a good budget funds.

Keywords:
  Archival services; Digital archive; Modern and smart technologies

The effectiveness of a proposed virtual classroom in acquiring some quality skills of producing a businessmen's bag among students of the leather industries department and their attitudes towards it

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Abstract:

The research aims to measure the effectiveness of virtual classrooms in students' acquisition of some quality skills for producing businessmen's bags, and to measure students' attitudes towards.The research follows the descriptive analytical approach and the semi-experimental approach for its suitability to achieve the objectives of the research and verify the hypothesis; One of the most important findings of the research is the effectiveness of the virtual classroom in students' collection of knowledge and skills related to the quality of producing businessmen's bags ; The results also revealed that there are statistically significant differences between the mean scores of students in the pre and post application of the cognitive achievement test in favor of the post application; There are also statistically significant differences between the mean scores of the students in the pre and post application of the skill test estimation scale in favor of the post scale, and the results showed positive opinions of the students towards the proposed learning method. The nucleus of e-learning is within the college and then within the university.
Keywords: Virtual Class; Quality; Men's Business Bags

The effectiveness of mobile learning applications and its impact on the development of academic rehabilitation skills for children with autism disorder

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Abstract:

The current research aims to measure the effectiveness of mobile learning applications in developing the academic rehabilitation skills of a sample of children with autism disorder. The research sample consisted of 15 autistic children. the results of the research resulted in defining standards for mobile learning applications to develop the academic qualification skills of children with autism disorder using the general model ADDIE for educational design and development, and applying its methodological procedures with making some simple modifications that are commensurate with the nature of the current research. The results also revealed that the experimental group, which used mobile learning applications, was effective in testing the cognitive achievement of academic rehabilitation skills for children with autism, according to the modified Blake gain ratio.

Keywords: Mobile application; Autism; Academic qualification skills

ثورة في تصميم الأثاث البلاستيكي: تسخير قوة الذكاء الاصطناعي

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المستخلص:

شهدت صناعة الأثاث العالمية طفرة في الاقبال على مواد بديلة مثل البلاستيك نتيجة لمرونتها وتكلفتها وفعاليتها، و بالرغم من الطلب المتزايد يواجه تصميم الأثاث البلاستيكي تحديات فريدة تتطلب تصاميم مبتكرة لضمان الوظائف والجمالية والمتانة، يظهر لنا الذكاء الاصطناعي (AI) كأداة واعدة لإعادة تعريف تصميم الأثاث البلاستيكي من خلال تعزيز الإبداع والخبرة البشرية حيث حققت التطورات الأخيرة في الذكاء الاصطناعي تقدمًا في القدرة على إنشاء تصاميم مفصلة وواقعية، مما يمكّن من التصور السريع باستخدام لغة التخاطب الطبيعية، تقدم لنا منصات الذكاء الاصطناعي مثل MidJourney بديلًا مثيرًا لممارسات التصميم التقليدية وتوفر فرصًا للإبداع وإنشاء أثاث مبتكر، على الرغم من البحوث الواسعة في مجالات الذكاء الاصطناعي مثل الهندسة المعمارية وتصميم المنتجات والأزياء إلا أن البحوث المتعلق بتصميم الأثاث باستخدام الذكاء الاصطناعي محدودة، يستكشف هذا البحث MidJourney كأداة تجريبية لتصميم أنماط مختلفة من الأثاث البلاستيكي مسلطًا الضوء على التوازن الدقيق بين الجمالية والوظائف وتكنولوجيا التصنيع، تؤكد النتائج التي توصلت لها هذه الدراسة و البيانات المستندة

من افادات الخبراء التي تم جمعها من خلال استبيان عبر الإنترنت فعالية الذكاء الاصطناعي في تصميم الأثاث البلاستيكي وتسليط الضوء على الفوائد العديدة لتقنية الذكاء الاصطناعي في صناعة تصميم الأثاث.

الكلمات المفتاحية:

التصميم داخلي؛ تصميم الأثاث؛ الذكاء الاصطناعي؛ أفكار تصميمية