

Smart City and Smart Library Smart Technology for Management and Services

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Abstract:

The study reviews two different concepts, Smart City and Smart Library. What links the tow concepts is the usage of smart technology. The Smart City uses smart technology in the governance and management of the city, while Smart Library uses it for provision information and library services to the people of Smart Community of the city. Both concepts share common features such as smart people, smart places, smart services, ...etc. We cannot talk about Smart Library without mentioning Smart City in which the Smart Library is a place of learning, culture, scientific activities, as well as public gathering in the city. The study presented a number of definitions of smart city and smart library. The study also presented some results derived from the survey of literature of both smart city and smart library, and suggested a number of recommendations mainly to the library personnel in general, and smart library in particular.

Keywords: Smart city; Smart library; Sustained city; Sustained development.

The tow type of availability electronic learning resources in virtual tours via the web and their effect on developing critical thinking and engaging in learning for educational technology students

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Abstract:

The current research aimed to detected effect of two types of available electronic learning resources based on virtual tours via the web and their impact on developing critical thinking and engaging in learning among educational technology students. The experimental design was based on the two experimental groups, so that the quasi-experimental design included the independent variable It is based on virtual tours and has two modes (Simple and Intensive), and two dependent variables are critical thinking skills and engaging in learning. The research tools were the Critical Thinking Test and the Learning Engagement Scale. The research sample consisted of 30 male and female students who were divided into two groups according to the two types of simple and dense electronic resources with virtual tours across the web. The SPSS program was used to test the research hypotheses. The results of the research concluded: There is a positive effect of the pattern of simple electronic learning resources based on virtual tours in developing critical thinking skills than the group that followed in learning intensive electronic learning resources based on virtual tours, and it also demonstrated that there was no difference between the two groups when using the two patterns of electronic learning resources. The research recommended the use of the simple electronic resources pattern in the development of innovative thinking, and the use of the two types of simple and dense electronic resources using virtual mobiles to the same degree in the development of engaging in learning.

Keywords: Electronic learning resources; Virtual tours via the web; Critical thinking skills; Engaging in learning.

Protection of Audiovisual Personal Data in the Digital Environment: Analytical study of Algerian law No. 18-07 on the Protection of Natural Persons with regard to the processing of personal data

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Abstract:

With the increasing violation of the privacy and secrecy of personal data in the digital environment, the different international organizations have been engaged to propose and enact a set of measures aiming at reducing this phenomenon, what with the Organization for Economic Co-operation and Development (OECD) recognized the necessity of strengthening the respect of privacy right, as a condition to ensure the free flow of personal data. The General Assembly of the United Nations issued a set of guiding principles to organize the personal data files in the decision 95-45, whereas the European Union issued a set of principles to organize the protection of natural persons from the processing of digital data. Many other countries worked on setting several legal texts to protect the data of personal nature; Algeria, like other countries, made sure to provide a legal framework that would protect natural persons' data.

This study aims at identifying the ways and mechanisms of protecting the personal data in the Algerian legislation, through analyzing the most important points and contents introduced by the Law 18-07 of 10th June, 2018, on the protection on natural persons with regard to the processing of personal data.

Keywords: Personal data; Audiovisual; Protection; Legal; Digital environment.

Library website design and it's affected of research needs and behaviors

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Abstract:

Building information sites is a task that designers, developers, and content strategists often share, but regardless of who performs this task, the building information sites field is an automatic and independent field and includes many influences, tools, and resources that deserve investigation and research to achieve integration among them.

The informational structure begins with the users of the site in the first place, and the information sites are not limited to classification, search, and engines, but each user may follow multiple behaviors in searching for the same information. Therefore, the information site structure designers need to understand these disparate needs and behaviors, so that the site structure design is compatible with those needs and behaviors. Therefore, by applying the analytical approach to the literature content and studies published in that field with a vision based on the theoretical review, this research paper aimed to discuss the perception of real and virtual libraries and to present work and marketing tools to create library sites.

The study found the dangers of excessive vision in simplifying the search process for information and needing to know information needs when designing websites.

Keywords: Library website design; Information architecture; Informational needs; Research behaviors; Information architecture designers

The Effect of The Interaction Between Support Time and The Cognitive Style via A Virtual Learning Environment Based on Cloud Computing Applications on Developing Big Data Analysis, Use and Utilization, and Decision-Making Skills among Library and Information Specialists

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Abstract:

This study aimed to developing big data analysis, use and utilization, and decision-making skills among library and information specialist. Participants of the study were 120 library and information specialists at Al-Azhar library and Al-Azhar Institutes libraries. They were assigned into four groups (30 participants for each group). The study utilized the quasi-experimental design (2x2 factorial design). The instruments included a skill list, an achievement test, an observation card, a scale of big data use and utilization, and a scale of decision making. Four instructional modules were also developed via a virtual environment to present the treatment material. The results yielded a list of big data analysis, use and utilization skills as well as a list of decision-making skills among library and information specialists included a total of 107 skills. The results also revealed the effectiveness of the virtual environment in developing cognitive achievement and practical performance of big data analysis, use and utilization skills as well as decision making skills among the study participants. The study recommended the need to make use of the skills lists and other instruments that have been prepared for further research. It also recommends utilizing the virtual environment developed in this study in providing distance training programs and comparing its results with other research variables with especial emphasis on the effectiveness of cloud computing applications in such programs.

Keywords: Cognitive Style; Virtual Learning Environments; Cloud Computing; Big Data; Decision Making