



شبكة المعلومات الجامعية

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Cairo University

Institute of statistical studies and research
Department of computer and information sciences

Framework for Knowledge Management on the Semantic
Web for E-Learning

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Framework for Knowledge Management on Semantic Web
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Abstract

Time or the lack of it is the reason given by most business for failing to invest in learning. Therefore, learning process must be accelerated. The acceleration of the learning process, however, should not impair the quality of the learned materials. Such improvement includes using the e-learning instead of the traditional learning, in which the learning process will be improved through the selection of suitable materials/contents and efficient tools/mechanisms to organize and manage such contents/materials.

The objective of this thesis is to adopt the semantic web for managing e-learning knowledge (material). Integrating semantic web with Knowledge Management will introduce e-learning material that is amenable for better browsing and faster searching. The e-learning knowledge is represented through Ontology Web Language (OWL) and the ontobroker (the inference engine that read the ontology).

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