

Virtual Encyclopedia of Islamic Civilization VEIC

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Abstract

The Virtual Encyclopedia Islamic Civilization -VEIC- is an underdevelopment application with multiple knowledge structures, schema, associations involved in creative thought. The VEIC is built up on the Hepteraet Hypercube of Islamic Civilization, a database platform system having the capability of getting back to life elements of cultural heritage. The functions set up on this platform are to support determine the conservation elements through the objective analysis of the database elements combining relevant information screening within multiple knowledge structures. The rapid loss and deterioration of Islamic Historic cities recalls promoting and integrating multiple knowledge structures that could result in the production of an advanced documentation, preservation and visualization system of higher quality and more original problem-solutions to sustain the attributes of this property's Outstanding Universal Value. To target this issue, the knowledge cube of Islamic civilization shall be implement to re-address key theoretical issues of formal knowledge and models representation representing the preoccupied elements of the original design, and also re-address the process of 'the trans- valuation of values'. The concept for VEIC came from the extreme importance of having a deeper comprehensive understanding to Islamic civilization with a coherent analytic methodology in dealing with its multiple dimensions that turned it to be one of the most important phenomena's in human civilization. This research shall follow mixed applied research methods both qualitatively and quantitatively within one entity. This research shall explore the capabilities of using the VEIC for the virtual reconstruction and virtual knowledge representation of the tangible and in-tangible elements of Islamic architecture and Islamic civilization.

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