

Art Creativity in Digital Media Settings as a Guide for Developing the Architectural Education and Practice in the Future

Submitted to:

The 10th Yearly National- 2nd Arabic Conference of University
Education Development Center, University of Arabian Countries in the
Future, Ain Shams University, Cairo, Egypt.

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Abstract:

High technology creates new challenges and priorities in architectural education and practice. The matter that should be challenged by architectures of Egypt and Arabic countries. This paper searches in the nature of art creativity in digital media settings, in particular with architecture. It tests the effect of using computers to increase the creative capabilities of architectural students. Also, it tries to explore the role of computer to develop architectural education and practice in the future.

The paper concludes some important results whereas, computer has increasing important role as a tool for producing visual art work and will significantly affect the creation of visual arts in the future. Computer Aided Architectural Design (CAAD) will be used to explore form and space of a building at the beginning of the design process and will continue until the end of the process. The effect of using computer to increase the creative capabilities of architectural students is tested through a real experiment in Department of Architecture in Minia University in Egypt. The two research hypotheses are statistically proofed. They are as follows: “using digital media increases the creative capabilities of architectural students”, and “using digital media besides manual media doesn’t negatively affect the manual skills of students”. Also, the paper presents two advanced examples of using computer in

architectural education. They are Colleges of Architecture in both of Manitoba University in Canada, and Texas A&M University in USA. These two examples clarify what we have to achieve in developing the architectural education and practice in the future in Egypt and Arabic countries.