

An Implementation of Multi-Media Applications in Teaching Structural Design to Architectural Students

Authors : Wafa Labib

Abstract : Teaching methods include lectures, workshops and tutorials for the presentation and discussion of ideas have become out of date; were developed outside the discipline of architecture from the college of engineering and do not satisfy the architectural students' needs and causes them many difficulties in integrating structure into their design. In an attempt to improve structure teaching methods, this paper focused upon proposing a supportive teaching/learning tool using multi-media applications which seeks to better meet the architecture student's needs and capabilities and improve the understanding and application of basic and intermediate structural engineering and technology principles. Before introducing the use of multi-media as a supportive teaching tool, a questionnaire was distributed to third year students of a structural design course who were selected as a sample to be surveyed forming a sample of 90 cases. The primary aim of the questionnaire was to identify the students' learning style and to investigate whether the selected method of teaching could make the teaching and learning process more efficient. Students' reaction on the use of this method was measured using three key elements indicating that this method is an appropriate teaching method for the nature of the students and the course as well.

Keywords : teaching method, architecture, learning style, multi-media

Conference Title : ICEE 2016 : International Conference on Engineering Education

Conference Location : Singapore, Singapore

Conference Dates : January 07-08, 2016