

A SCALE FOR THE ASSESSMENT OF PARAMETRIC DESIGN PROJECTS OF ARCHITECTURE STUDENTS

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Abstract

Parametric design responding many aspects of design as a design method, plays an important role in the development of architectural design projects. The designer may not only find design solutions but also makes evaluate all natural and artificial conditions with the help of the parametric design, Thus, many solutions responding desing criterias in terms of needs, sustainabilty and resistance can be found easily in such flexible structure. This design approach triggering a quite versatile production process is accessible and being implemented easily through the computer based technologies accelerate the production process.

In the context of this research, an applied course in parametric desing has been conducted with architecture students and both design and fabrication processes have been examined. In the second phase students developed an object individually using these methods. A specific rubric scale validated by experts developed to evaluate the products and process as a goal of this study. The opinions of students have been evaluated to reinforce the validity of rubric scale as well. The findings in sub-levels of production process will be examined in further studies.

Keywords: Parametric Design, Evaluation scale, Design Education, Modelling and Parametric Design, Prototyping.