ANALYTICAL STUDY OF THE PROJECTS OF STUDENTS IN THE ARCHITECTURAL DESIGN – COMPARISION BETWEEN PHYSICAL AND DIGITAL MODELS. Theses

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Since its foundation in 1981, Architectural faculty has adopted traditional teaching methods for practical subjects such as architectural design and Urban planning. In these subjects, students submitted their projects and exams on (chanson) and (calk) sheets using various drawing tools. Such tools are still in use by students up to date in manually architectural concept presentation. This comes after the students pass a number of subjects related to art and engineering drawing that help the students in gaining drawing representation and rendering skills.

With the development of information technology and the emergence of a set of software related to architecture such as AUTOCAD, ARCHICAD and PHOTOSHOP, computer aided design has been included in architectural course. This has had the aim of preparing the students to make use of this Software's.

The experiment has been applied to third, fourth, fifth and graduated students. It has been further developed to allow the students to submit 25% by computer as a first step and 50% by computer later on. This permits the students to benefit from computer technology and maintain their manual skills. In this way the aim of reaching the integration between students and computer is fulfilled.

We shall present in further the set of results that come out analyzing a set of architectural student's projects prepared by different year's students. It also tries to prove that using computer technology in representation has helped the students in developing innovation concepts that positively reflected on the aesthetic and artistic aspects of the projects. This may be enhanced with insisting on having a part of the projects manually prepared due to the vital role of manual skills in enriching the student's qualification.