

Manuscript ID : 00001-14561

Revista Científica UISRAEL

Volume 8, Issue 1, September 2021, Pages 27-49, Page Count - 23



Source ID : 00000346

Digital representation techniques applied to projects architecture in Nuevo Leon, Mexico

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Abstract

Architectural drawing is one of the fields most influenced with the digital transition. Architects consider digital tools as an essential instrument in all the steps to create a project, starting for the design process, planning and to communicate the final result. Digital drawing has been increasing popularity in the construction area. This article is a descriptive and analytical work with quantitative approach, which has been based on analyzing digital drawing techniques applied to represent architectural projects in Nuevo León, México. Its importance lies in the relevance of the software and how to develop the activities related to the design industry, construction and also for the regional economy growth. The research was based on a survey directed to the architects of the region. The results of the study remark the preference in 2D use for digital drawings because these are considered as original expressions of architectural design. In equal measure 3D digital drawings are used for formal and volumetric representation. Complementary techniques include the use of software for digital editing of images and videos. The digital fabrication techniques are used as well. By other hand, virtual reality and augmented reality are not considered as an essential part of digital communication for the architectural project.

Author Keywords

Digital drawing techniques, Architecture, Drawing, Architectural projects, Digital tools, Digital drawing

ISSN Print:

Source Type: Journals

Publication Language: English

Abbreviated Journal Title:

Publisher Name: Universidad Tecnológica Israel

Major Subject: Physical Sciences

Subject area: Architecture

ISSN Online: 2631-2786

Document Type: Journal Article

DOI: <https://doi.org/10.35290/rcui.v8n3.2021.449>

Access Type: Open Access

Resource Licence: CC BY-NC

Subject Area classification: Engineering and Technology

Source: SCOPEDATABASE

Reference