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Literature review to determine what is the degree of BIM maturity in University education Institutions of Architecture and Urbanism and Civil Engineering

Bruna Viveiros Machado¹, Laís Vieira Azeredo de Sousa¹, Zélia Maria Peixoto Chrispim², Tatiana Salema Marques Portella³

(1) Volunteer Student of PROVIC/ISECENSA Scientific Initiation – Architecture and Urbanism Course; (2) Collaborating Researcher - Research Laboratory in Management and Technologies in Civil Construction - GETECC /ISECENSA - Civil Engineering Course; (3) Advisor Researcher - Research Laboratory in Management and Technologies in Civil Construction - GETECC - Civil Engineering Course - Institutos Superiores de Ensino do CENSA - ISECENSA, Rua Salvador Correa, 139, Centro, Campos dos Goytacazes, RJ, Brasil

The civil construction industry is constantly improving its processes, products and services. Part of this improvement has been the application of a new technology to building planning, namely Building Information Modeling (BIM), a technology aimed at information modeling in civil construction throughout the building's life cycle. The domain of BIM has become indispensable to every professional trained in architecture and urbanism and civil engineering, as it operates interoperability and collaboration between professionals, requiring training in various tools and software that are structured within this concept. However, the adoption and implementation of the use of technology in institutions is an expensive, paradigm-shifting and gradual process. The technology implementation stages started to receive the nomenclature of “BIM maturity levels”, starting to be attributed in order to measure and monitor a successful implementation in the full reach of what the technology offers. This research aims to study and understand what the concept of BIM maturity level is in the construction industry, when applied to the College environment. For this purpose, a literature review will be carried out based on bibliographic surveys, articles, seminars and congress proceedings, which will help to determine the steps and factors that should be taken into account to assign BIM maturity levels to College of Architecture and Urbanism and Civil Engineering. It is hoped that this will contribute to the understanding of the BIM maturity level in Colleges, based on the main literature on the subject.

Keywords: Building Information Modeling (BIM). University education. Civil Construction.

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