عنوان مقاله:

Enhancing Engineering Teaching Aid by Using Benefits of BIM Applications

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خلاصه مقاله:

In the construction projects, construction managers face too many problems such as over budget projects, schedules errors, omission of some activity and safety tasks that originate from improper trained planners. A digital presentation of the building process to facilitate exchange and interoperability of information in digital format is called Building Information Modelling can provide adequate teaching tools for better understanding of real project tasks sequences and procedures. The benefits of BIM-based as a teaching aid promises to improve the education level of planners and construction manager teams. This research was carried out based on the questionnaire survey within construction companies in Singapore. The data was analyzed using descriptive statistical analysis and been ranked with Average Index method. Some benefits of BIM-based tools were identified, whereby, it able to create smart 7D and 4D model in order to enhance the realization of the construction project for planner and scheduler trainees.

کلمات کلیدی:

BIM, Building Information Modeling, Teaching Aid, Clash detection, Safety

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