

Enhancing Agile Application in Construction Projects Using BIM



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Research Abstract

Construction industry management approach is facing challenges with the reaction to changes during project cycle. Researchers over the time develop modernized management systems for adopting changes and providing proper reactions to them. Agile project management left a positive and effective print in software and manufacturing industries. In this research Agile will be considered as management method to be applied in construction industry. Moreover, over the technology revelation, construction industry started to apply and develop better method of 3D and 4D modeling such as BIM "Building Information Modeling". It is not only a program but also a method that adopts changes and provides faster results to the management and construction teams during project period. In this research, agile application and BIM implementation will be addressed and integrated for the construction industry. This study will focus on "How to enhance agile application in construction projects using BIM (Building Information Modeling)." Agile and BIM will be integrated to enhance and maximize project value in processes that aim to eliminate wastes, minimize errors, adopt changes, innovations through human, market analysis, more liability, more integrity, minimizing rework, involving customer and relay on agility methods.

Supervisors

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Publications

Omar, N. and Elhag, T. (2019). Agile BIM Framework for a New Management Approach, International Conference on Innovation, Technology, Enterprise and Entrepreneurship, ICTEE 2019, Kingdom of Bahrain, pp 375-384.