

Abstract

The convulsion of construction projects is the main reason, the construction industry is searching for a better way of managing construction projects. Mostly construction project management is based on the waterfall model which has a fixed structure and the changes are not so simple. This study aims to find the evolution of the Agile Project Management approach and differentiate it from Waterfall traditional model. Agile is a new approach originally designed for IT projects which helps to accomplish the goals efficiently and overcome the hurdles. Available to the literature confirms the implementation of agile approach into non-IT projects and working efficiently and achieving the milestones smoothly. This research used an experimental approach in which two different construction projects are taken and both approaches were applied, one is the Agile approach and the other is the waterfall model. Progress of work is measured through a customized mobile application which helps to maintain records and comparisons. In conclusion, it is estimated that the Agile approach has considerable potential outcomes for construction projects it reduced the cost and consumed less time rather than the waterfall model.