IT Project Management in Waterfall Model v/s Agile

ITEC 640 – Information Technology Project Management (Spring 2020)

Individual Assignment – Topic proposal

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# Introduction

Day by day the IT projects have been more complex because of the technology advancements and increasing customer demands. It is critical that the projects need to be completed on time and on budget. So highly qualified project managers are employed to manage these projects and they ensure the customer’s requirements are addressed on a timely basis.

Many new methods have evolved to support the development process. The most popular among them are Waterfall and Agile methods. From many perspectives, these two methods have big differences. The waterfall model follows many traditional processes, whereas the agile method has the objective to satisfy the customer’s requirements. Where waterfall model has fewer and bigger releases, agile method has small and continuous releases to the production environment. Each of the projects demand a management style which is apt for the process.

# Can the project management methods followed in the waterfall model be applied in agile?

Some experts argue that agile methods do not require a project manager, they have a scrum master and a product owner to do collective project management. Where some other analysts argue in support of traditional project management style which can be applied in the agile method. In this research paper, the differences and similarities between the two methods will be described from the project management perspective. Also, the waterfall project management method applicability in agile development will be discussed.

Reference:

1. Wysocki, Robert K. (2014). *Effective project management: traditional, agile, extreme, 7th edition*. Retrieve from *http://library.books24x7.com.ezproxy.umuc.edu/toc.aspx?bookid=62624*.
2. Fair, J. (2012). *Agile versus Waterfall: approach is right for my ERP project?* Paper presented at PMI® Global Congress 2012—EMEA, Marsailles, France. Newtown Square, PA: Project Management Institute. Retrieve from *https://www.pmi.org/learning/library/agile-versus-waterfall-approach-erp-project-6300*