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A Comparative Study of Agile and Waterfall Software Development Methodologies

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Abstract: In earlier software development all process is completed and implemented but now this is not a scenario. In modern era changes are frequent to any software product or module which is under development phase, due to market competitions priority of requirement changes Due to the fact that the traditional process models are incompatible with these changes, agile methodology is used instead.. Earlier waterfall model was convenient because of less requirement of features and emergency of the application in the short period of time .This Paper Discusses the comparative Analysis of waterfall model and agile methodologies while agile methodologies are taking over, even the waterfall model is older and time consuming it is still use in many sectors The paper will help other software development process models. Agile method plays important role in the areas of software project management, software schedule management etc. The main aim of the agile is Customer satisfaction as well as faster development with low defect rate. This paper reflects the comparison of the agile processes with waterfall model software development life cycle model. Agile processes aren't always beneficial; they have their own set of downsides. Agile method promotes continuous iteration of development and testing throughout the software developed.

Keywords: Agile Methodology, Software development lifecycle, Extreme programming, Scrum, water fall model.

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