Abstract

Project management is a methodology used to achieve objectives of a project in cost effective and timely manner. There are different project management methodologies depending upon nature of project and nature of organization. Broadly the approach of project management can be divided into categories of traditional waterfall and agile. Traditional waterfall approach recommends executing the project in sequential manner. In recent time the industry product lifecycle has become shorten which require faster implementation and iterative approach of product development. This approach is well suited for agile. Due to its iterative nature, Agile enjoys wide popularity in sectors where the requirements from the customer are continuously changing. Agile project management uses various frameworks like Scrum, Kanban, XP (Extreme Programming) etc. To implements the principles of agile framework, different tools can be used like Jira, Trello, Wrike etc. The primary objective of this paper is two-fold. First, it provides the detailed overview of agile scrum methodology. After that, the paper goes on the comparative analysis of the industry tools of scrum. The targeted audience is professionals who are involved in project management and execution. This paper aims to enable the users with
enough information to compare and choose tools of agile scrum.

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Index Terms

Computer Science  Software Engineering

Keywords

Agile, Scrum, Kanban, XP, Jira, Trello, Wrike