Abstract

Extreme Programming is a well-known agile process model that can fulfill the needs of today's software industry. It is suitable for small to medium scale projects. Its strength lies in its practices that are applied in extreme manner to get the best results. However in some scenarios these practices overburdened the software development process. In small scale projects where requirements are almost stable and no detailed design and planning activity is required, the overall structure and some of XP practices require extra effort and cause unnecessary delay in project completion. Practices like on-site customer, continuous testing and continuous integration can be a hurdle in timely completion of small project. To overcome these problems a modified form of Extreme Programming model called Tailored Extreme Programming (TXP) is presented in this research that can be applied to small scale projects to make the development process effective and efficient.


Index Terms

Computer Science
Information Sciences

Keywords

Extreme Programming, Modified XP, Tailored XP, Customized XP, XP for small projects, TXP