Abstract

When the software projects are developed, in earlier years, many of these projects fails or dropped because of not completion of projects. To resolve these problems and to provide the on-time delivery of project, an effective project plan is required along with project schedule. The project scheduling is effective to achieve the maximum benefit of available resources as well as to control the project cost and release. The problems associated with the system includes

One of the major problems in software project management and scheduling is the estimation different resources associated with software development. These resources include the human and non-human analysis.

The analysis over these parameters is defined under the constraint specification. These constraints here define the cost and benefit analysis.
There are numerous software those are working on planning and evaluation phase of software project development. AGILE is also one of them, famous for its customer oriented interaction based change adapting approach for delivering high-quality software and is tailored for its incremental and iterative characters. Talking about extreme programming, its ideology helps in reduction of defects and deals with changing customer requirements effectively. Whereas scope of improvement is still prevails and can be filled with the integration of both extreme programming and six sigma approaches. This paper elaborates importance of integrating six sigma and extreme programming for creating an automated work schedule system. Other products may solve the same cause but still lacks behind in accuracy and automation concept which is highlighted in this paper. Together Six Sigma and Agile will link organization strategy and business requirements via data driven mapping of processes and product and will one day take over the world in each and every field. It is believed that the reader of this paper has a prior knowledge of both six sigma and extreme programming.

References

- Jeffrey A. Livermore, Walsh College, jlivermore@walshcollege.edu, Factors that Impact implementing an Agile Software Development Methodology. IEEE Software. 2007.

Index Terms

Computer Science
Software Engineering
Keywords

Agile Software Development  Six sigma  Extreme Programming