Enabling Reusability in Agile Software Development

Volume 50 - Number 13
Year of Publication: 2012

Authors:
Sukhpal Singh
Inderveer Chana

10.5120/7834-1132

Abstract

Software Engineering Discipline is constantly achieving momentum from past two decades. In last decade, remarkable progress has been observed. New process models that are introduced from time to time in order to keep pace with multidimensional demands of the industry. New software development paradigms are finding its place in industry such as Agile Software Development, Reuse based Development and Component based Development. But different software development models fail to satisfy many needs of software industry. As aim of all the process models is same, i.e., to get quality product, reduce time of development, productivity improvement and reduction in cost. Still, no single process model is complete in itself. Software industry is moving towards Agile Software Development. Agile development does not obviously fit well for building reusable artifacts. However, with careful attention, and important modifications made to agile processes, it may be possible to successfully adapt and put on agile methods to development of reusable objects. The model being proposed here combines the features of Agile Software Development and reusability.
Enabling Reusability in Agile Software Development


Index Terms

Computer Science
Software Engineering

Keywords

Agile software development  Reusability  Agile methodologies