Review on Reverse Engineering of Legacy Code and Extraction of Class Diagrams

Abstract

We are living in the era of software and Information technology. Where Reverse engineering has a big role in the up-gradation and maintenance of old software. Precisely if it comes to the reverse engineering of legacy code; so many tools and software are available in the market but still market requirement for reverse engineering of existing codes is unfulfilled. Present paper focus on the various researches published in consecutive years on the same topic. In this study we have covered legacy code and their reverse engineering feasibility as per the cost and time perspective, generation of class diagrams, various problems faced by the different researchers and possible solutions suggested. Conclusion of the study is that we need to do some more experiments to show the class diagram and their relationship and extracting method level dependency while performing reverse engineering of a legacy code by using different language tools and techniques.

References
5. Mariano Ceccato, Thomas Roy Dean, Paolo Tonella, Davide Marchignoli 2008, Data model reverse engineering in migrating a legacy system to Java. 15th Working Conference on Reverse Engineering, IEEE ISSN No.1095-1350
8. Upasana Choudhary, Maya Yadav, 2015, Review on reverse engineering techniques of software engineering. IJCA 119(14):7-10

Index Terms

Computer Science  Software Engineering

Keywords

Legacy Code, Class Diagram, Dependency