Abstract

A testing module in the life cycle of a software development plays a crucial role for its
development and its successful deployment using the defined cases. For this previous
practitioner incorporated data mining techniques to reduce the number of test cases. During the
software development process appropriate selection of unit tests is vital when many unit tests
exist. Poor test selection may lead to Faults. This is true when the application is large and many
developers are involved with some tests in which the developer can be unfamiliar and
non-obvious relationships between application code and test code may be extant. By the
application of association rule mining and the unit test selection process and with extant
selection techniques by comparison, Researchers facilitates a quantitative analysis of the
advantages of heuristic and its disadvantages for the development where process patterns are
stable. In test case generation technique data mining knowledge engineering area plays a vital
role where the algorithm are capable of analyzing based on the pattern description such that the
effective and accurate test cases can be generated, in this paper author presents a method to
reduction the number of test suites by using mining methods thereby facilitating the mining from
test cases. Here we are discussing about the Automated Test case Generation Techniques with Data Mining Techniques.

References

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**Index Terms**

Computer Science
Software Engineering

**Keywords**

Software Engineering, Software Testing, data mining, test cases, data item, test suite, Weka, item set, classifier, Cluster, Automated, and Redundancy.