Abstract

Software testing is an imperative task in software development process. Software testing is used to identify the correctness, completeness and quality of the software product or system. Till date, software testing is considered as a very expensive activity as it takes a lot of testing efforts, time and cost to perform it. One of the expansive factors behind is the design or generation of effective test cases for a particular software product. In this paper, we are trying to find out the effective test cases from the generated whole set on the basis of clustering methodology so that the size of test suit is reduced and redundant test cases are eliminated automatically. Here, we are following the famous K-Means algorithm with a proper distance measure.

References

pp-279-281, March 10 – 11, 201.

- Sheikh Umar Farooq, and SMK Quadri, "Identifying some problems with selection of software testing techniques", Oriental Journal of Computer Science & Technology Vol. 3(2), 266-269 (2010.)


- Dibya Jyoti Bora, Anil Kumar Gupta, "Effect of Different Distance Measures on the Performance of K-Means Algorithm: An Experimental Study in Matlab", IJCSIT)
Index Terms

Computer Science

Software Engineering

Keywords

Software Engineering  Software Testing  Test Cases  Clustering  K-Means