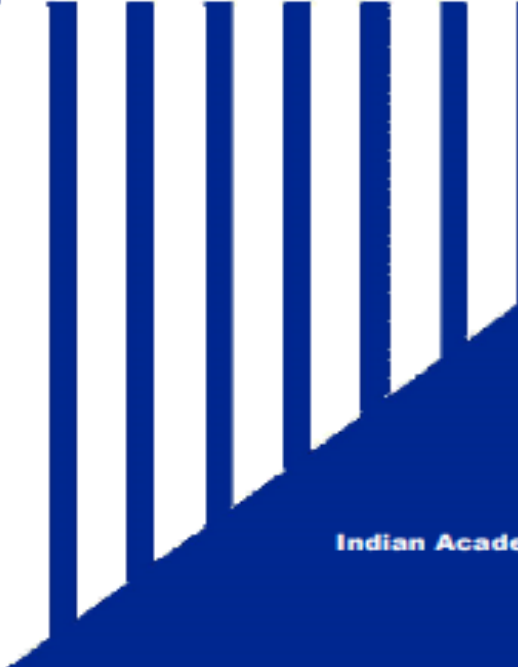


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SOFTWARE EVALUATION: A TESTING ROADMAP OF INCOMPLETENESS TO PERFECTION

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ABSTRACT

Software engineering is the meticulous approach of software development having the wider scope to detect the inaccuracy in the resulting software results. The comprehensive landscape of software testing is ad-hoc, ambiguous and costly in some cases. Testing methodology is context dependent that means varies as per the type of application. Sometimes this large spectrum of software testing creates software evaluation process more non-optimistic. The software process follows variety of testing strategies. The work done in this paper gives a roadmap view of evaluating software to get complete product.

Keyword: Software engineering, meticulous approach, ad-hoc, large spectrum, roadmap

INTRODUCTION

Software evaluation is an important means of accessing quality of software through the software testing. The increase in number of errors supports a broader way to look at the software results. The longevity testing is very difficult to maintain. In the current trending technology, testing the overall system has become a very important aspect of boosting the quality. It is too expensive to achieve it. For the better working environment of the software it can be tested using varieties of software testing types. It covers the category of functional and nonfunctional testing. These techniques are dispersed in the following general scale: acceptance testing, unit testing, performance testing, integration testing, stress testing, correctness testing, reliability testing, acceptance testing - alpha testing, beta testing, security testing, system testing. The grey scale of testing provides the box approach- white box, grey box and black box testing. It is dependent of the processes or internal working of the software. Look and feel testing is more suitable for the GUI based projects where it expects look at the software interface and gives a feel after using it. These feelings may be the errors or successful design of interface. Usability testing produces a user friendly system. The overall software testing is not a single activity, it is the combination of several methods in the entry and exit criteria of STLC (Software Testing Life Cycle) to certify the completeness of the software product.

LITERATURE REVIEW

The scope of the software development is expandable in any dimension. The constriction of software is possible for any kind of system. The mandatory requirement of estimating the software construction accuracy to produce the results is supportable by the various testing methodologies offered by CASE (Computer Aided Software Engineering) tools. These methodologies are task oriented. The black and white nature of testing covers many perspectives of testing. Flow testing is performed by white box testing technique and the multifactor testing orthogonal as well as with different range analysis. The heterogeneity of the software

It is challenging to change the requirements from the design phase, Shift left testing is one of the flexible approach supports a change. It is an effective means of performance testing in parallel with development
