Abstract

Software metrics is developed and utilized by the different software organizations for evaluating and assuring software code quality, operation, and maintenance. Software metrics measure various kinds of software complexity like size metrics, control flow metrics and data flow metrics. These software complexities must certainly be continuously calculated, followed, and controlled. Among the main objectives of software metrics is that pertains to a procedure and product metrics. It is definitely considered that high level of complexity in a component is bad compared to a low level of complexity in a module. Software metrics may be used in various phases of software development lifecycle. In this paper, a survey on various software metrics has been done. Moreover they are categorized into static and dynamic metrics. The paper ends with in conclusion and the near future scope to overcome some issues for the software metrics.

References

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- N E Fenton &quot;Software Metrics&quot; Conference Proceedings of on the future of Software engineering ICSE 00(2000) Volume: 8, Issue: 2, Publisher: ACM Press
- Kuljit Kaur Chahal, Hardeep Singh &quot;Metrics to study
- KP Srinavan, Dr. T Devi, &quot;Design and Development of procedure for new object oriented design metrics&quot;; IJCA, Vol. 24, No. 8, Jun 2011
- Singh, Pradeep Kumar, and Om Prakash Sangwan. &quot;Aspect Oriented Software Metrics Based Maintainability Assessment: Framework and Model. &quot; (2013): 1-07.

- Debbarma, Mrinal Kanti, Nirmalya Kar, and Ashim Saha. &quot;Static and dynamic software metrics complexity analysis in regression testing. &quot; In Computer Communication
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