

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore-560057

Department of Computer Science and Engineering

Certificate



Certified that the project work entitled "AN APPROACH TO CLASSIFY AND PRIORITIZE BUG DATA SETS" carried out by BHAGYALAKSHMI J P (1SG12CS016), BHAVANI B (1SG12CS017), LAVANYA M S (1SG12CS048), BHAVYASHREE S (1SG12CS019) bonafide students of Sapthagiri College Of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the academic year 2015-16. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work (10CS85) prescribed for the said degree.

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ABSTRACT

Software bugs are inevitable and fixing bugs is expensive in software development. A Bug Triage aims to assign an appropriate developer to a new bug. Software repositories are large scale databases for storing the output of software development. A bug repository is used for storing details of bugs. In bug repository, a bug is maintained as a bug report, which records textual description of reproducing the bug, bug reports in a bug repository are called bug data. To decrease the time and cost, a new bug triage method in which the potential relationship between the attributes of bug data sets and reduction orders. The feature selection with instance selection to reduce the scale of bug data sets and to improve high quality of bug data. The data reduction for bug triage on bug reports of two large open source projects, namely Eclipse and Mozilla are evaluated. A predictive model to perform the algorithms which adds on to prioritize the developer to a new bug by extracting attributes and the bug data set from the historical table.