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# NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF APPLIED SCIENCES

DEPARTMENT OF COMPUTER SCIENCE

A SURVEY OF EFFORT ESTIMATION TECHNIQUES IN THE SOFTWARE  
DEVELOPMENT INDUSTRY IN ZIMBABWE (2016 – 2018)

BY

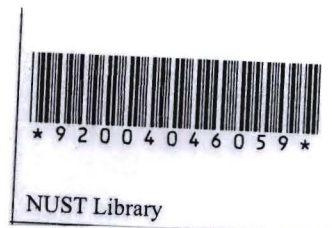
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## ABSTRACT

Inaccurate software effort estimation the world over has affected projects' completion, leading to the failure of the entire software project development. This study is a survey of the effort estimation techniques adoption in the software development industry in Zimbabwe. The goal is to survey and see how far Zimbabwean software development companies have embraced effort estimation techniques. The study reveals the effort estimation techniques that have been adopted by software development companies. Data was collected using questionnaires, archival research and semi structured interviews. The study found out that the software development companies have adopted some of the effort estimation techniques but not comprehensively. It was noted that it is important to involve all the stakeholders in the software effort estimation processes. However, the major drivers' of adoption was found out to be perceived benefits accrued from the use of these effort estimation techniques.