

NATIONAL UNIVERSITY

OF

SCIENCE AND TECHNOLOGY

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FACULTY OF SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

**Project Title: INSECT IDENTIFICATION USING
ARTIFICIAL NEURAL NETWORKS**

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DATE	ACCESSION	CLASS No.
24/01/02	SC6	QL461 BHE

ABSTRACT

The Zimbabwean National Museum is a host to a wealth of information on artifacts, animals, birds and insects. The process of classifying and identifying the insects is one of great importance in order to enable the orderliness and uniformity of the classification of the insects. The process of taxonomically classifying, currently is a manual one at the Museum .

This research aims to provide a method of classification which will enable the taxonomist at the museum to classify insects in particular. in this case the Armoured Crickets, using a computerised system that will make the classification process faster and eliminate potential for errors in identification. This classification identifies from the Genera of the Insect to the individual Species .