



**NATIONAL UNIVERSITY OF SCIENCE AND
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DEPARTMENT OF TECHNICAL TEACHER EDUCATION

FACULTY OF INDUSTRIAL TECHNOLOGY

A FINAL YEAR PROJECT RESEARCH REPORT

BY

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*Title : Designing a digital electronic locking system which uses a
binary code to unlock a door.*

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ABSTRACT

In many schools in particular and organisations in general there is a growing concern for the need for increased security in their premises. In most schools important documents, accounts books and examination papers are kept under lock and key in strong rooms. Over the years these strong rooms have been accessed by unauthorised persons who include thieves and stalkers. The aim of this project is to present an electronic locking system to prevent unlawful entry into protected premises. The system would be easy to operate and inexpensive to purchase and maintain since all its constituent parts are locally available. The electronic lock is opened by punching in a certain digital code only known to selected individuals. It is battery powered and therefore can also be used in rural areas.

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