

# National University of Science and Technology



DEPARTMENT OF TECHNICAL TEACHER EDUCATION

FACULTY OF INDUSTRIAL TECHNOLOGY

FINAL YEAR PROJECT RESEARCH REPORT

BY

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This report is submitted in partial fulfilment of the requirement for the degree of Bachelor of Technical Education (Honours) in Electrical and Electronic Engineering.

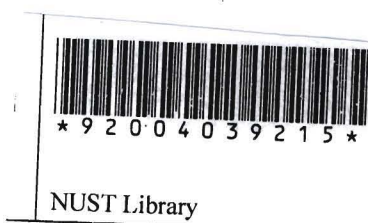
TITLE: Design of an active antenna for a television receiver

**“Enjoy watching your television with this handy receiver accessory”**

PROJECT SUPERVISOR: MR. N. PHUTHI

MAY 2007

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# ABSTRACT

A Chinese proverb tells us that one picture is worth a thousand words. This means that the human mind or brain acquires more knowledge through sight than through hearing. Human vision is a dual process involving both the eye and the brain. Unless the emitted light is received by the eye it can have no effect. The light emitted from an object stimulates the eye, and this stimulation is transferred to the brain where it is registered as a conscious sensation. The conscious sensation is increased in television systems by increasing the sensitivity to detail by high contrast, sharp edges, colour and motion.

Television means vision at a distance and a television system is used to reproduce any scene at the receiving end and that scene maybe live or recorded. Television broadcasting is one the world's most effective way of communications to large audiences. Almost each and every country in this world has got its own television broadcasting.