

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

INFRA - RED
TRANSMISSION AND RECEPTION

E/1022

MALEKKOU ANASTASIA

JUNE 1996

HIGHER
TECHNICAL
INSTITUTE

PROJECT NO

2565

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ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

E/1022

SUBMITTED BY

MALEKKOU ANASTASIA

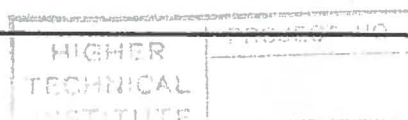
ON

**INFRA-RED
TRANSMISSION AND RECEPTION**

**IN PART SATISFACTION OF THE AWARD
OF DIPLOMA OF TECHNICIAN ENGINEER
IN ELECTRICAL ENGINEERING OF THE
HIGHER TECHNICAL INSTITUTE
CYPRUS**

PROJECT SUPERVISOR: Mr. SPYROS SPYROU

JUNE 1996



I DEDICATE THIS PROJECT TO MY PARENTS
WHO MAKE ME THE PERSON I AM
AND TO MY BROTHER
WITH ALL MY LOVE
THANK YOU FOR EVERYTHING



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ACKNOWLEDGEMENTS

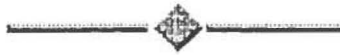


I want to express my appreciation to Mr. Spyros Spyrou, my project supervisor for giving me all the necessary guidance with his ideas and helpful advices kindly during the project time.

Malekkou Anastasia



SUMMARY



AUTHOR: MALEKKOU ANASTASIA

TITLE : "INFRA-RED TRANSMISSION AND RECEPTION"

The purpose of this project is to design and construct a basic Infra-red transmitter/receiver link. The main parts of both the transmitter and receiver are described. An investigation is carried out (a) how the range of the Infra-red radiation changes according to the Infra-red emitter diode current (by changing the value of the resistance in series with Infra-red Led) and (b) how the active range of the transmitter is affected by the transmitter pulse generator (multivibrator).

