

3/09

INSTITUTION

: THE KENYA POLYTECHNIC UNIVERSITY

COLLEGE

DEPARTMENT

: ELECTRICAL AND ELECTRONIC

PRESENTER

: TOM THARIKI NJUNGE

INDEX NO

: 401001076

PROJECT TITLE

: ILLUMINATION [FLUX ]METER

COURSE OPTION

: POWER AND ELECTRONICS

COURSE CODE

: 2083/207

SUPERVISOR

: MR WAHOME

EXAMINATION SERIES: NOVEMBER 2009

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: KENYA NATIONAL EXAMINATION

COUNCIL FOR PARTIAL FULFILMENT OF

HIGHER DIPLOMA IN ELECTRICAL

ENGINEERING (POWER AND

ELECTRONICS OPTION)



## **PREFACE**

The project is meant to manifest the functional requirement of digital illumination meter

By using the intensity of light radiation. This involves the provision of A/D converter which converts signal of analog from the op-amp to digital .The A/D converter is the principal functional unit in the project being provided with frequencies from the 555 timer and the crystal oscillator through the frequency divider .the project utilizes a frequency of 50KHz .