

THE KENYA POLYTECHNIC UNIVERSITY COLLEGE

**DEPARTMENT OF ELECTRICAL AND ELECTRONIC
ENGINEERING**

**HIGHER NATIONAL DIPLOMA IN ELECTRICAL ENGINEERING
(POWER AND ELECTRONICS OPTION)**

TRADE PROJECT

TITLE: CHICKEN INCUBATOR

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INDEX NO: 401001080

PAPER NO: 2083/207

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**SUBMITTED TO: THE KENYA NATIONAL EXAMINATION
COUNCIL (KNEC) IN PARTIAL FULFILMENT OF THE
REQUIREMENTS FOR THE AWARD OF HIGHER
DIPLOMA IN ELECTRICAL AND ELECTRONICS
ENGINEERING (POWER AND ELECTRONICS
OPTION)**

SERIES: NOVEMBER / DECEMBER 2009

PREFACE

This project involved research, design and construction of a chicken incubator as the application of the knowledge attained during the Higher Diploma Course.

This project is intended for poultry farmers, the coverage involve the design of hardware and its implementations. The modern technology of integrated circuits and their versatility was implemented and demonstrated.

This project consists of the detecting and control unit and the enclosure, the detecting and control unit will sense the temperature change, reference and create a set point in terms of temperature detected and compare the temperature sensed with the set value to generate an error signal which will be conditioned and amplified so as to trigger the load.

This is prescribed great stride in technology advancement to poultry farmer