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THE KENYA POLYTECHNIC UNIVERSITY COLLEGE.

**SCHOOL OF ENGINEERING SCIENCE AND TECHNOLOGY.
(SEST)**

DEPARTMENT

ELECTRICAL AND ELECTRONIC ENGINEERING

PRESENTED BY: EDWARD WARUTERE WAHOME

INDEX NUMBER : 107/ 00163

PROJECT TITLE

D.C TO A.C INVERTER.

**COURSE OPTION
INSTRUMENTATION AND CONTROL.**

THE SUPERVISOR : MR. OJENGE

EXAMINATION SERIES : AUGUST 2009.

**PRESENTED TO : KENYA POLYTECHNIC
UNIVERSITY COLLEGE**

PREFACE

In offering this project the author wish to express his deep sence of gratitude to the readers who have read different projects concerning inverters and have passed ideals to assist the improvement of this project has tried to achieve.

The purpose of this project is to achieve the improvement of lighting in remote area where electrical transmission has not reached. The project is to design and construction of a D.C to A.C inverter which differs from all others which have been designed earlier. Most of them have been using multivibrators which comprised of various components but for this a 555 timer that has been used as multivibrator and has made the price reduced.

Much explanation on working connections and flow of power in various components has been done and it is of great importance for the reader to known the mode of operation in every stage of the design and this makes it easier to use. Greater emphasis has been laid to clear the fundamental of the design. Errors might have crept in despite utmost care to avoid them and author will be graterful if these are pointed out along with other suggestions for more improvement.