

29
09

GROUP 5

**THE KENYA POLYTECHNIC UNIVERSITY COLLEGE
(K.P.U.C)**

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

**ELECTRICAL AND ELECTRONICS ENGINEERING
DEPARTMENT**

MR. WANJUGU JOHN KINYUA

COLLEGE NO: 107/02656

**3G DIGITAL TRAFFIC MONITORING LEDS WITH
A SIREN**

ELECTRICAL POWER ENGINEERING OPTION

OPTION CODE: Et303

SUPERVISOR: MR. MUIKIA

EXAMINATION SERIES: AUGUST 2009

**PRESENTED TO: THE KENYA POLYTECHNIC UNIVERSITY
COLLEGE**

PREFACE

This report details the various steps and components that were taken and used to construct the described project.

The first chapter introduces the reader to the objectives of the project and the various steps and methods that were used to analyze data. It also specifies the operation sequence of the project and the systems block diagram.

The second chapter explores into details the various components that are used in the project and also the basic circuits used in this project.

The third chapter entails the various design analysis techniques and the interpretation of the various blocks of the circuit.

The fourth chapter explains the operation of the circuit. The test points and test results are also included in this chapter and the functional circuit diagram, the project circuit diagram also given here. The wiring diagram is included in this chapter and the cost of the whole project.

The technical data sheets of the components used are provided here together with the reference used to realize the successful writing of this report.