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THE KENYA POLYTECHNIC UNIVERSITY COLLEGE

**DEPARTMENT OF ELECTRICAL AND ELECTRONIC
ENGINEERING**

TRADE PROJECT

THYRISTOR (SCR) SPEED CONTROL OF A DC SHUNT MOTOR

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PREFACE

The rapid development of semi conductor technology has revolutionized the art of power modulation, is now a byword for control in many industrial application silicon controlled rectifies method has been advanced towards the realization of its efficiency in speed control of DC motors in industries. This project covers the sequence used to achieve the following objectives.

An overview of SCR is given in chapter one of this project in the second chapter, various components are discussed which shall be used in the construction of the SCR chapter three and four discusses design and construction as well as tests and results.