COMPUTER AIDED INSTRUCTION FOR THREE PHASE
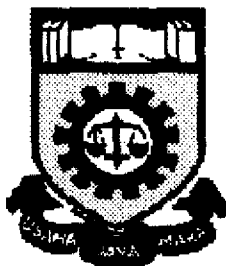
INDUCTION MACHINE

The Project Ilmiah is presented in partial fulfilment for the award of

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Abstract

This Project Ilmiah present the Computer Aided Instruction (CAI) software developed using Visual Basic (VB) programming language. The software will assist the student in learning the three-phase induction machine. This software will guide the student on three-phase induction machine lesson with the help of the simple notes in form of key point. The notes presented include examples, animated diagrams and pictures in order to make the learning more attractive and understandable. This software also contain quizzes, hence the student understanding could be tested at the end of the lesson. Last but not least this Project Ilmiah also elaborates the development and the implementation of the courseware for Computer Aided Instruction.

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CHAPTER 1

INTRODUCTION TO COMPUTER AIDED INSTRUCTION

1.1 Introduction

With the current advance in information technology, computer is now being used to assist education process, which is known as computer aided instruction (CAI). CAI is a new technology in education. Its also known as computer assisted instruction or computer aided learning or computer technology assisted education [1]. This includes guided drill and practice exercise, computer visualization of complex object and computer-facilitated communication .The development of CAI provides an intelligent interactive learning environment.

CAI can increase access to information. It can increase students' abilities and preferences and also the amount of personalized instruction. Many students benefit from the immediate responsiveness of computer interactions and from self-paced, private learning. CAI are also interesting and motivating for many students in clarifying the given information [2].

There has been a rapid expansion of interest in the area of interactive learning environments over the last few years. CAI first entered elementary schools in the 1950s and early 1960s. A system for higher learning began in the early 1960s. By 1985 more than 100 such systems were operating in the United State [1].