BOOLEAN QUIZ(BeeQ)

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A project report submitted in partial fulfillment of the requirements for the award of the degree of Diploma of Electrical Engineering (Electronics / Telecommunications / Instrumentations / Computer

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"I declare that this report entitled "*Boolean Quiz(BeeQ)*" is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree."

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ABSTRACT

Boolean quiz(BeeQ) is a quiz game based on logic gates input where many switch is used to indicate the input for the quiz e.g 1 or 0 this occurs when the user key in the input by toggling the switch. User can key in 10 input which is a combination of binary numbers to achieve the output which is a waving hand. The waving hand is operated using servo motor and it will operate once the binary or inputs that has been keyed in is correct. Therefore, this project can be concluded that the input for this project is by toggling the switch (1 or 0) and the output is the waving hand and LED.

This project consist of different types of logic gates such as OR, AND, NOT, NOR, NAND and X-OR. Most people knew that the output coming from each of these logic gates produces different output. The user of this project must come up with at least a paper to draw the schematic diagram first and to determine its output. Anyone can guess the answer but any theoretical answer needs explanation therefore calculating it first is a must for this project.

TABLE OF CONTENTS