ABSTRACT

Research Title:	DEVELOPMENT OF A COMPUTER-BASED DIGITAL ELECTRONICS TRAINING MODULE
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Description: The research study deals with the development of a PCbased training module for digital electronics, particularly dealing with the theories and application of logic gates and logic devices. The experiments and exercises are computer-controlled wherein logic data of ones and zeroes can be manipulated with the use of a Graphical User Interface aided by Visual Basic.NET application. The training module consists of works on a parallel port device for data manipulation and it is powered by a Universal Serial Bus (USB) Cable. It also consists of a data acquisition instrument which is the DATAQ's DI-149 8-Channel USB Data Acquisition Starter Kit.