LAB MANUAL

Digital Logic Design Lab

B.Tech. III Semester CSE
Debasish Mohanta, Lecturer, EE

Government College of Engineering, Keonjhar

At-Jamunalia Po. -Oldtown, Dist.-Keonjhar

Pin-758002, Odisha

Web-gcekjr.ac.in

Department of Electrical Engineering

Digital Circuits Logic Design Lab Manual

Chao Li,Xuehai Qian,Dimitris Gizopoulos,Boris Grot

Digital Circuits Logic Design Lab Manual:

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Plus II software by Altera Corporation Lab sequences start with digital gates and logic control circuits progress to MSI devices latches and flip flops and cover clock dependent circuits and the LPM_MACRO functions available in the software For individuals preparing to be computer technicians **Digital Circuit Design Laboratory Manual** John Matthew Pavlina,Yelena Leonidovna Mukhortova,Akhan Almagambetov,2020-05-23 Laboratory manual for Digital Circuit Design using Intel Quartus software Suitable for online and in person instruction Required for Embry Riddle Aeronautical University classes Includes the following laboratories 1 Introduction to Digital Circuits Lab 2 FPGA Design Workflow 3 Combinational Logic Circuits 4 Seven segment Display Logic 5 Combinational Logic using VHDL 6 Multiplexed Displays 7 Servo Motor Control 8 Accelerometer Interfacing 9 SPDT Switch Debouncing Multiplexers 10 Brushless DC Motor Control Covers the following topics in the appendices Basic Electrical Components HDL Design Using Intel Quartus Using Symbolic Blocks in Intel Quartus Multiplexing Pulse Width Modulation PWM Functional Simulation using ModelSim Has the following references in the appendices Development Board Pin Listings VHDL Source Code Listing Device Data *Fundamentals of Digital Electronics* Robert K. Dueck,1994 Digital Logic Design, Lab Manual, Volume-I Asadullah Khan,2017-03-24 *Advanced Parallel Processing Technologies* Chao Li,Xuehai Qian,Dimitris Gizopoulos,Boris Grot,2025-11-03 This book constitutes the refereed proceedings of the 16th International Symposium on Advanced Parallel Processing Technologies APPT 2025 held in Athens Greece during July 13 16 2025 The 17 full papers and 10 short papers included in this book were carefully reviewed and selected from 74 submissions They were organized in topical sections as follows Chip and Accelerators Memory and Storage Cloud and Networking Design for LLM and ML AI Big Data and Graph Processing and Secure and Dependable System **Community and Junior College Journal** ,1981 **Digital Design** Thomas Collins,Christopher Twigg,2009 The Practical Xilinx Designer Lab Book David E. Van den Bout,1999 Lab Manual Troubleshooting and Design to Accompany Digital Systems Frank J. Ambrosio,1997 **Subject Guide to Books in Print** ,1996 Logic Design Projects Using Standard Integrated Circuits John F. Wakerly,1976 School Shop ,1981 FIE '98, Tempe, Arizona ,1998 '*American Book Publishing Record*' *Cumulative* R. R. Bowker LLC,1978 Books in Print ,1994 **Introduction to Analog and Digital Circuits Lab Manual** Brian DEAN,2018-08-13 **Scientific and Technical Aerospace Reports** ,1973-04

Whispering the Techniques of Language: An Mental Journey through **Digital Circuits Logic Design Lab Manual**

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