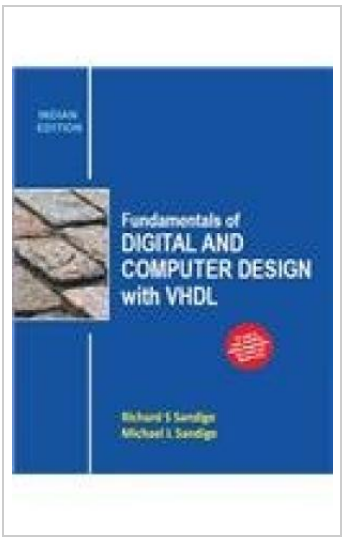

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Fundamentals of Digital and Computer Design with VHDL (Indian Edition)

By Michael L. Sandige,Richard S. Sandige

McGraw Hill Education, 2014. Softcover. Book Condition: New. First edition. This text is intended for an introductory digital design course for students at the freshman level; it also is intended for an introductory computer design course with assembly language programming for students at the sophomore level. This text uses a spiral teaching approach by introducing a design problem and then, in the same chapter or a later chapter, either (1) reemphasizing the same concepts when a different design is presented, or (2) working the same problem using a different technique. This is done to increase the likelihood of retention. Salient Features ? VHDL is introduced in the first chapter using just Boolean functions. This prepares students to use VHDL early in their laboratory experiments. ? Homework problems are keys to each section, for instructor and student convenience. Homework solutions will be made available to instructors via the web. ? A special program called EASY1 (Editor/Assembler/Simulator for VBC1 (Very Basic Computer 1)) is provided to help students learn how to write and test assembly language for VBC1 Contents: 1 Boolean Algebra, Boolean Functions, VHDL, and Gates 2 Number Conversions, Codes, and Function Minimization 3 Introduction to Logic Circuit Analysis and Design...

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