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Logic Design

By K. Venkataraju

I.K. International Publishing House Pvt. Ltd., 2015. Paperback. Book Condition: New. 18cm x 24cm. Logic Design gives an insight into the analysis and design of combinational and sequential logic systems and explains the concepts of logic circuit design in a lucid manner. It will help the reader build a strong foundation for applying the principles and concepts in real-world digital system design. It contains lot of illustrative examples for easy understanding of the concepts. The book is useful as a text book as well as a reference material for engineering undergraduate students, practising engineers and consultants. Salient Features: ò Comprehensive coverage of Combinational and Sequential logic circuit design principles and applications, ò Extensive use of truth tables, Karnaugh maps, Quine-McCluskey minimization technique, and map entered variable techniques to simplify Boolean functions, ò Appropriate discussion using concepts of gates, decoders, encoders, adders, subtractors, binary comparators, latches, flip-flops, binary ripple counters, synchronous counters, shift registers, state diagrams and so on, ò Detailed discussion of Mealey and Moore Models using block diagrams, ò About 170 solved examples demonstrated in a step-by-step manner, and more than 100 practice exercise problems at the end of the chapters.



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