Wiley Acing the GATE: Computer Science and Information Technology

By Anil Kumar Verma,Gaurav Sharma,Kuldeep Singh

Wiley India, 2015. Softcover. Book Condition: New. The major strength of this book lies in the demystifying complex concepts by unpeeling levels of abstraction down to the basic level. The book follows a balanced approach on systematic representation of the text. Each chapter begins with the basics and then in-depth concepts are described with the help of various example(s)/numerical(s) and schematic diagrams. Different ways of interpretation are also highlighted while providing the solutions to previous year GATE question papers and then the chapter is culminated with a summary of important terms/formulas used in that chapter. Therefore, the book is self-contained. Preface Acing the GATE 1 Digital Electronics 1.1 Introduction 1.2 Number System 1.3 Boolean Logic 1.4 Digital Circuits 1.5 Digital Logic Families 2 Computer Organization and Architecture 2.1 Introduction 2.2 Computer Architecture 2.3 Machine Instructions and Addressing Modes 2.4 Arithmetic Logic Unit 2.5 CPU Control Design 2.6 I/O Interface (Interrupt and DMA Mode) 2.7 Instruction Pipelining 2.8 Memory Hierarchy 3 Programming and Data Structures 3.1 Introduction 3.2 Basic Terminology 3.3 Stack 3.4 Queue 3.5 Linked List 3.6 Trees 4 Algorithms 4.1 Introduction 4.2 Algorithm 4.3 Hashing 4.4 Binary Heap 4.5 Searching and Sorting 4.6 Graph 4.7 Greedy Approach 4.8 Graph...

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This book is definitely not simple to begin on studying but quite fun to see. I actually have read and that i am sure that i will gonna read through yet again once again in the foreseeable future. It is extremely difficult to leave it before concluding, once you begin to read the book.
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