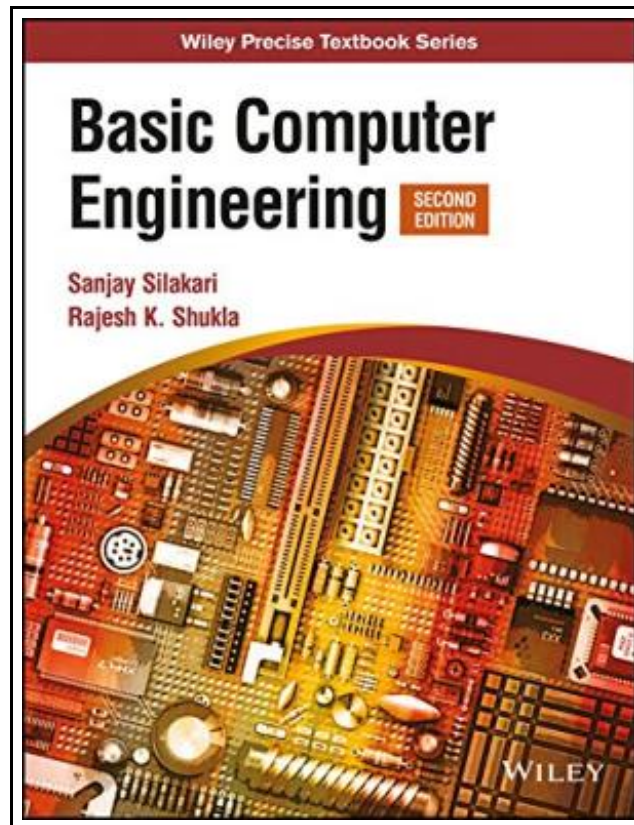


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Foreword Preface

1. Introduction to Computers

1.1 Basic Computer Operations

1.2 Classification of Computers

1.3 Components of Computer Hardware System

1.4 Bus Architecture and Instruction Set

1.5 Software

1.6 Applications of Computers

1.7 Characteristics of Computer

2. Introduction to Operating System

2.1 Definition and Roles of Operating System

2.2 Types of Operating Systems

2.3 Functions of Operating System

2.4 Process Management

2.5 Memory Management

2.6 File Management System

2.7 Device Management

2.8 Security

2.9 Deadlocks

2.10 MS DOS

2.11 UNIX Operating System

2.12 LINUX Operating System

2.13 Windows Operating System

3. Study of MS Office (MS Word, MS PowerPoint and MS Excel)

3.1 Getting Familiar with Microsoft Word 2007

3.2 Getting Familiar with Microsoft PowerPoint 2007

3.3 Getting Familiar with Microsoft Excel 2007

4. Programming Languages

4.1 Introduction to Algorithms, Complexities and Flowchart

4.2 Categories of Programming Languages

4.3 Program Design

4.4 Programming Paradigms

4.5 Characteristics or Concepts of OOP

4.6 Introduction to C++

4.7 Statements in C++

4.8 Function

4.9 Arrays

4.10 Arrays and Functions

4.11 Structure

4.12 Union

4.13 Pointers

5. Programming in C++

5.1 Classes and Objects

5.2 Class and Arrays

5.3 Objects and Functions

5.4 Pointers and Objects

5.5 Constructors and Destructors

5.6 Inheritance (Reusability)

5.7 Virtual Base Class

5.8 Function and Operator Overloading

6. Basics of Data Structures

6.1 Introduction to Data...



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