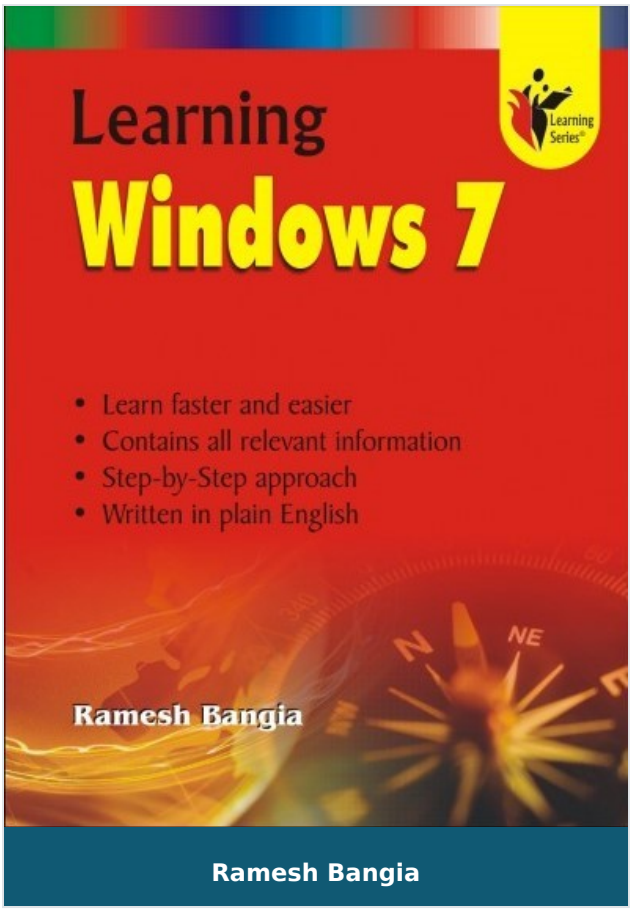


Learning Windows 7

Author :	Ramesh Bangia
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- Control Panel of Windows 7
- Accessories of Windows 7
- Configure and Maintain Your System
- Additional Commands of Windows 7
- Keyboard Shortcuts of Windows 7
- Questions

Author

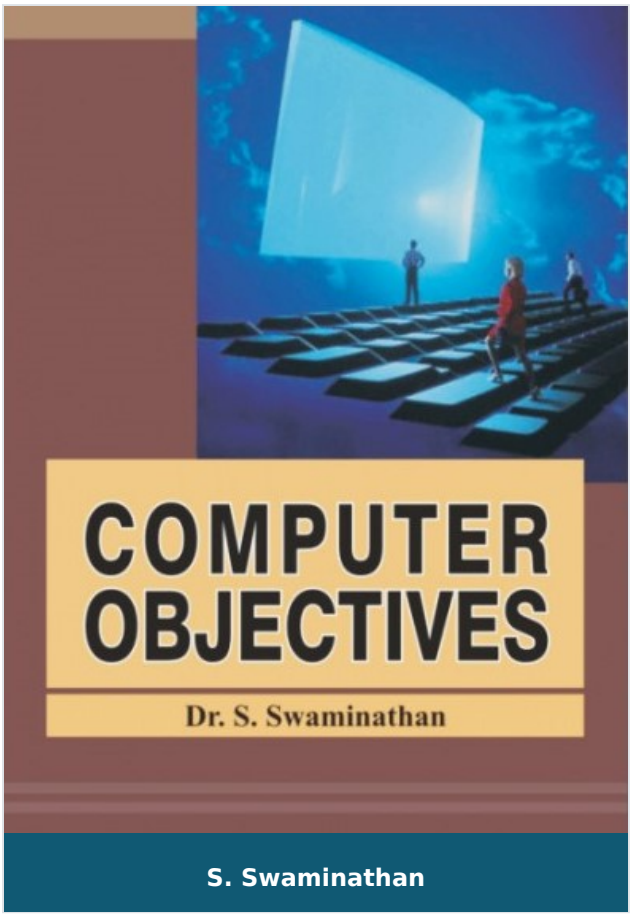
Ramesh Bangia

Ramesh Bangia, has been writing computer books on various topics. He has written books for Schools. Training Institutes, Technical Universities, Distance Education Programs, Colleges and General. His tally of books exceeds 500 in number. Trained both in India and Abroad and having studied at IIT Delhi, he becomes automatic choice for most of the publishers in India. Though based in Delhi, his books are popular all over India and are even exported to Middle Ease and African countries.

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S. Swaminathan

Computer Objectives

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Product Description

This book has originated from the fact that students who are preparing for various different examinations like GATE, BARC, NTPC, ONGC, HAL,C-DOT,IOCL etc., have to refer to many different books for good and conceptual objective questions in Computer Science & Eng. stream keeping above examinations in mind the book has been organized to provide students the best.

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- Gate Papers with Solutions

Author

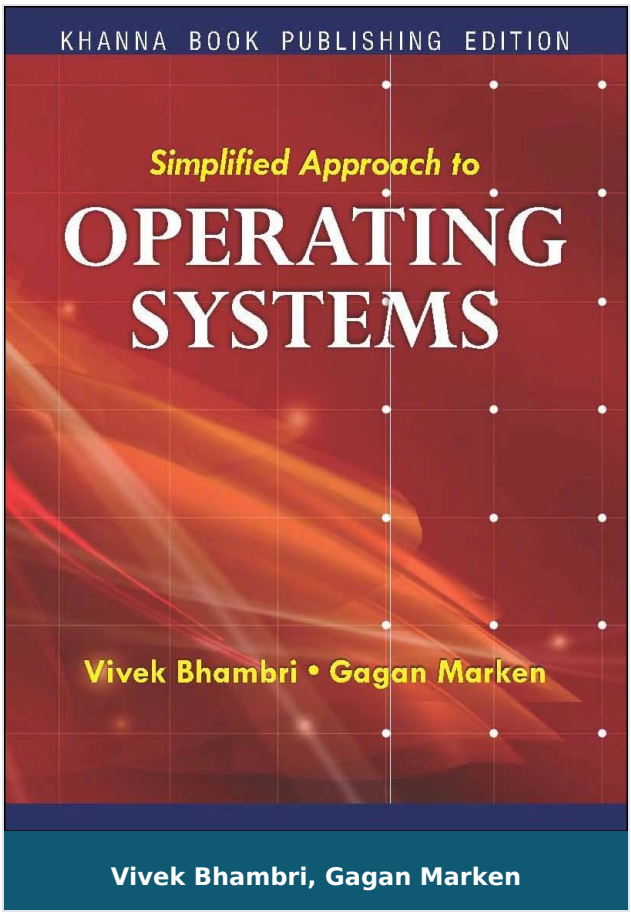
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Simplified Approach to Operating Systems

Author :	Vivek Bhambri, Gagan Marken
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Product Description

The book 'Simplified Approach to Operating Systems' is designed as a basic text book for computer science students at Post Graduation and under Graduation levels. It explains the technical concepts of operating systems in simple and easily understandable language. It does not bind the reader to one particular operating system, rather explains the concepts in general. It covers the complete syllabus of MCA,BCA, B. Tech and M.Sc. (IT) courses of all Indian Universities.

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- Distributed File System
- Case Study On disk Operating System (DOS)
- Case Study On Windows Operating System
- Case Study On Unix
- Case Study On Linux Operating System
- Multiple Choice Questions
- Model Question Papers

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total teaching experience of 10 years. He is pursuing his research in the field of data mining. His areas of interest include Data Mining and Computer Architecture. He has published more than 20 research papers in International and National Journals.

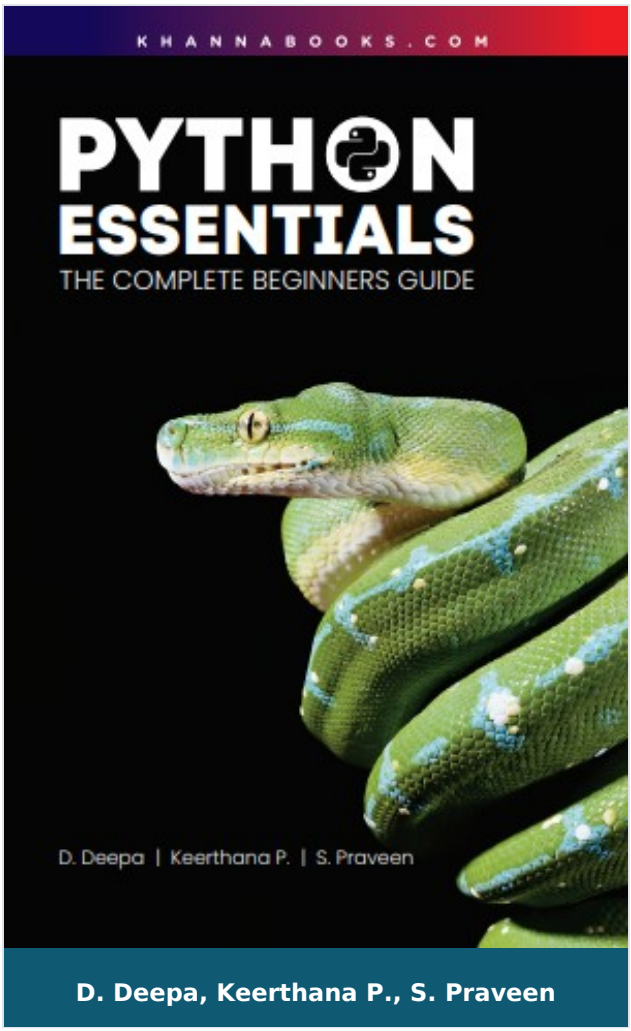
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D. Deepa, Keerthana P., S. Praveen

Python Essentials (The Complete beginners Guide)

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Product Description

Python Essentials (The Complete beginners Guide)

Python is the bedrock of modern technology—powering everything from Data Science and Machine Learning to Web Development and System Automation. But where do you start?

Python Essentials: The Complete Beginner's Guide is your definitive, practical roadmap. Built specifically for absolute beginners, this book capitalizes on Python's simple, English-like syntax to ensure a swift and successful journey into coding.

This guide moves beyond theory, equipping you with the fundamental logic and Object-Oriented Programming (OOP) principles needed for professional work. By the time you finish, you won't just know Python; you'll be able to build, debug, and implement real-world solutions. Launch your career or elevate your productivity—the power of Python starts here.

Salient Features:

This guide provides a complete, hands-on path to Python mastery, focusing on modern, practical skills:

- **Core Foundations**: Master the essential building blocks, including variables, expressions, and primary data structures (Lists, Strings, Tuples, Dictionaries).
- **Object-Oriented Programming (OOP)**: Gain a clear understanding of OOP principles (Classes, Objects, Inheritance) to write robust, scalable, and reusable code.
- **GUI and Database Development**: Develop practical tools by learning to build Graphical User Interfaces (GUI) with Tkinter and manage data using the SQLite database library.
- **Debugging and Error Handling**: Acquire crucial development skills like effective Exception Handling and code tracing using Python's built-in debugger, pdb.

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- **Real-World Project Skills**: Learn to manage projects professionally with topics like File Handling, utilizing Virtual Environments, and performing efficient Code Reviews.
- **Versatile Programming**: Understand Python's support for multiple paradigms, including procedural, functional, and object-oriented styles, preparing you for any job role.

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- Object-Oriented Programming Concepts
- Functions, File Handling, and Error Handling
- GUI Programming and Database Handling
- Networking and Hands-on Project

Author

D. Deepa

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Keerthana P.

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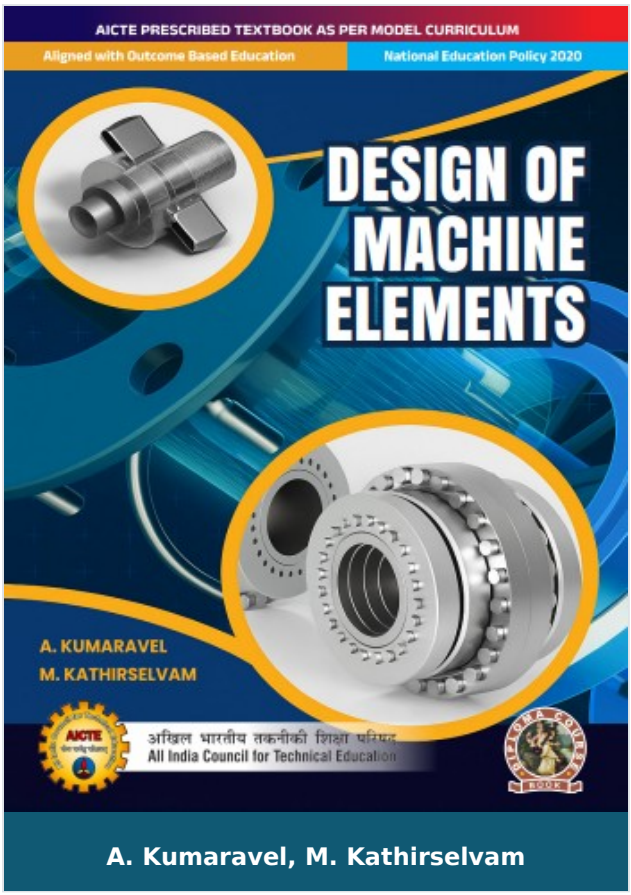
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A. Kumaravel, M. Kathirselvam

Design of Machine Elements

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Product Description

Design of Machine Elements

This book fives detailed description about introduction to design, simple machine part design, antifriction bearings, shafts, keys, couplings and spur Gears, Power screws springs, fasteners, ergonomics & aesthetic consideration in design. Logical organization and a wide variety of problems with their step-by-step solutions makes this book a perfect offering on the subject.

Salient Features

- Content of the book aligned with the mapping if course Outcomes (Cos), programs Outcomes (Pos) and Unit Outcomes (UOs).
- In the beginning of each unit outcomes are listed to makes the student understand what is expected out of him/her after completion that unit.
- Book provides lots of recent information, interesting facts, OR codes for E-resources, etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures and tables are inserted to improve clarity of the topics.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- step-by-step solutions are provided for solved problems, including numerical examples.

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- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
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- Abbreviations and Symbols
- List of Figures
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- Design of simple machine parts & antifriction bearings
- Design of shafts, keys, couplings and spur gears
- Design of power screws and springs
- Design of Fasteners and Ergonomic Considerations
- Appendix
- CO And PO Attainment Table
- Index

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Mastering C# 4.0 (With Complete C# Language and Examples)

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Product Description

Web Tech solutions Inc. is one of the pioneers of the technology industry. Web Tech solution Inc. is a leading IT development company bringing the latest technologies in a short span of time. Its professional research team aims to deliver the latest information on the best way to analyze, develop, test, debug and tune best development skills including technical coding and theoretical concepts of IT. Its main aim is committed to excellence; excellence in its range and quality of publishing; excellence in dedication to its authors and excellence in the service it provides to the readers. By way of this book, Mastering C# has become faster and easier as all the relevant information and step-by-step approach has been followed in simple plain English. It is designed very systemically and logically. The basic concepts have been taught in-depth with lots of examples and screen shots. A large number of unsolved as well as solved exercises have been included for the benefit of the readers.

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- Inheritance in C#
- Exception Handling
- Using Input/Output
- Strings & Formatting
- Multi thread Programming
- Collections, Enumerators and Iterators

Author

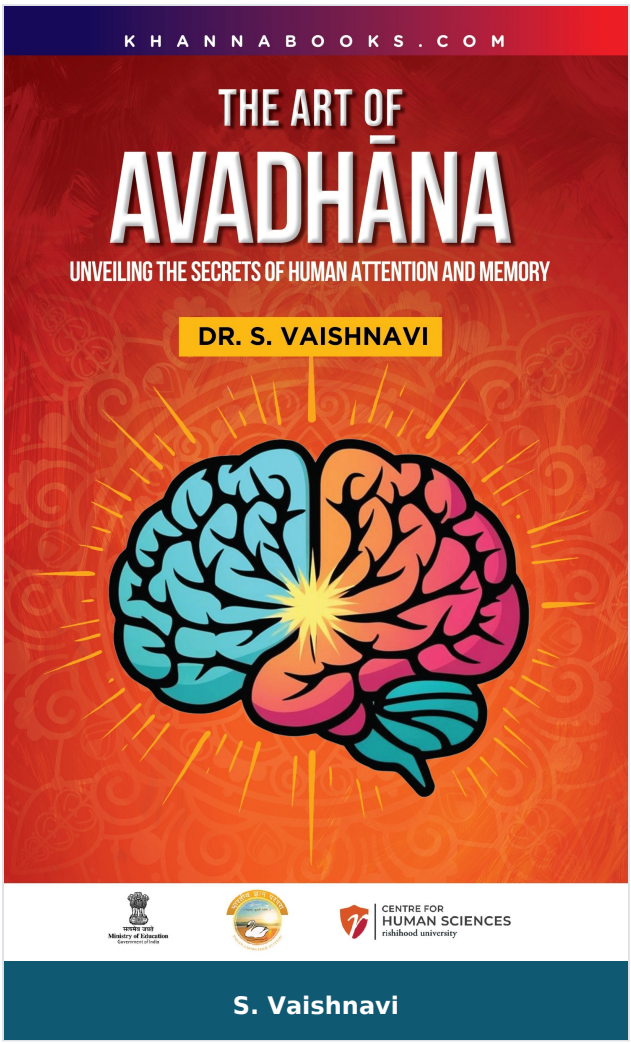
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The Art of Avadhanam (Unveiling the Secrets of Human Attention and Memory)

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Product Description

The human mind, with its vast and intricate capabilities, has been a subject of wonder and inquiry across cultures and epochs. Amidst the profound legacy of Indian intellectual traditions, the ancient art of Avadhana shines as a remarkable testament to the extraordinary cognitive potential of the human mind. Rooted in classical disciplines of Sanskrit and other Indian languages, Avadhana exemplifies the harmonization of memory, multitasking, and creativity, encapsulating the extraordinary synergy between linguistic mastery and mental agility. This book delves into the multifaceted dimensions of Avadhana, exploring its relevance as a cognitive phenomenon and its profound implications for understanding human intelligence. The chapters within aim to bridge the traditional practice of Avadhana with contemporary perspectives on memory, focus, and the neuropsychology of learning. By doing so, I hope to illuminate its enduring significance, not only as a literary and cultural treasure but also as a practical framework for enhancing mental faculties in today's world. I was extensively inspired by the Avadhana art form and its remarkable demonstration of the human mind’s responses and functions. Witnessing this art directly was a transformative experience, deepening my appreciation of its cognitive intricacies and its potential applications. The foundation of this work owes much to the tireless efforts of Prof. Sampadananda Mishra, whose vision and leadership under the Indian Knowledge Systems (IKS) initiative have been instrumental in shaping this project. Prof. Mishra has been at the forefront of reviving and promoting the art of Avadhana, organizing three outcome-oriented workshops and training programs at the National Sanskrit University, Tirupati. These programs have not only provided practical insights into the nuances of Avadhana but have also cultivated a new generation of practitioners and researchers dedicated to this extraordinary tradition. I sincerely thank Prof. Mishra, my mentors, colleagues, family, and the custodians of this ancient tradition, whose insights, guidance, and unwavering encouragement have deeply enriched this work. This book is an invitation to rediscover the boundless possibilities of

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the human mind and the timeless wisdom embedded in India’s cultural heritage. May it inspire a renewed appreciation of Avadhana and spark meaningful conversations across disciplines.

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Author

S. Vaishnavi

Dr. S. Vaishnavi is a leading Sanskrit scholar, researcher, and educator dedicate to integrating traditional wisdom with modern learning. Her expertise spans Traditional pedagogies, psychology, and Cognitive Science, Holding a Ph.D. in Sanskrit from national Sanskrit University, Tirupati, alongside degree in Education, Psychology, and other disciplines, she boasts a strong academic foundation. as an Assistant Professor at national Sanskrit University for five Years, Dr. Vaishnavi mentored research scholars and contributed significantly to academia through publications and lectures. She has presented at numerous national and international conferences and actively participated in educational projects like Digital Chitrapadakosha and Swayam Prabha courses. Known for her oratory skills and leadership in education, she bridges the gap between ancient

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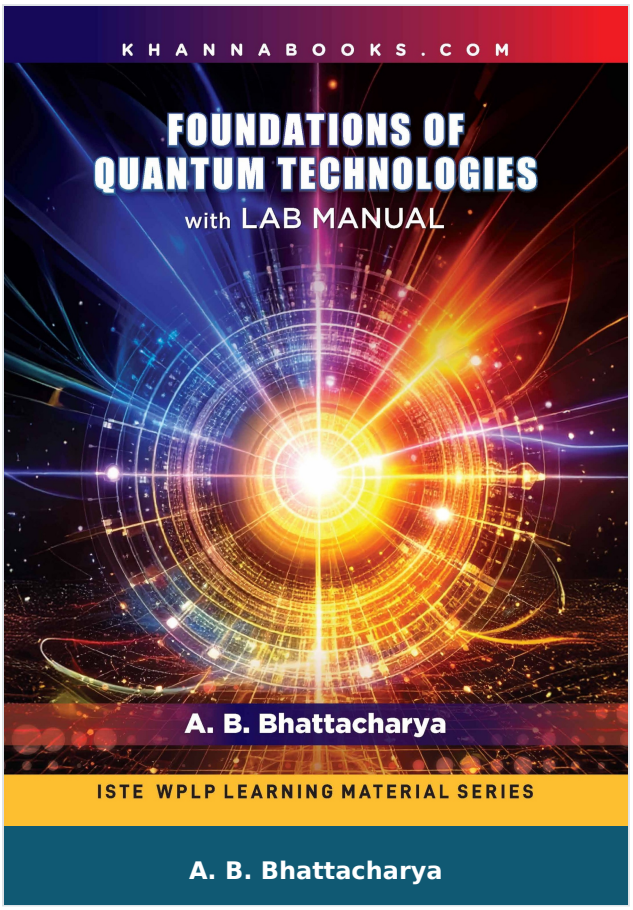
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knowledge and contemporary teaching methodologies, shaping the future of Sanskrit education through innovative curriculum development and a deep commitment to research and pedagogy.

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Foundations of Quantum Technology with Lab Manual

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Product Description

Foundations of Quantum Technology with Lab Manual

Explore the Future — Learn the Fundamentals — Master the Tools

Step into the next revolution in science and technology with Foundations of Quantum Technologies (with Lab Manual) — an all-encompassing guide designed for students, educators, and researchers aiming to understand and work with the principles and real-world applications of quantum mechanics.

WHAT'S INSIDE

Part I: Fundamentals of Quantum Mechanics

Begin your journey with a deep dive into the origin and evolution of quantum theory. Understand wave-particle duality, measurement postulates, and the ground-breaking concept of quantum entanglement. Enrich your learning with multiple-choice questions, solved numerical problems, and project ideas at the end of each chapter.

Part II: Core Quantum Technologies

From quantum computing and cryptography to teleportation and metrology, discover how abstract quantum principles power the innovations shaping tomorrow. Learn algorithms like Shor's and Grover's, and explore secure communication via the BB84 Protocol.

Part III: Experimental and Practical Aspects

Get hands-on with quantum hardware platforms like superconducting qubits, trapped ions, and photonic systems. Study experimental realizations from IBM Q, Google Sycamore, and more. It includes detailed insights into quantum gate implementation and optical elements in labs.

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Bridge theory with practice in your own quantum lab. Conduct real-world experiments on polarization, entanglement, BB84 protocol, and quantum algorithms using cloud platforms. Learn essential tools like QuTiP, Qiskit, and Cirq for simulating and analyzing quantum systems.

Also Includes

- Conceptual short Q&A
- MCQs and numerical problems with solutions
- Design-driven project tasks
- Oral questions for viva preparation
- Reference tables for quick access

Whether you’re a curious beginner or an aspiring quantum researcher, this book offers a robust, intuitive, and experimentally rich learning experience to help you navigate the quantum frontier.

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- Part III
- : Experimental and Practical Aspects
- Part IV
- : Lab Manual

Author

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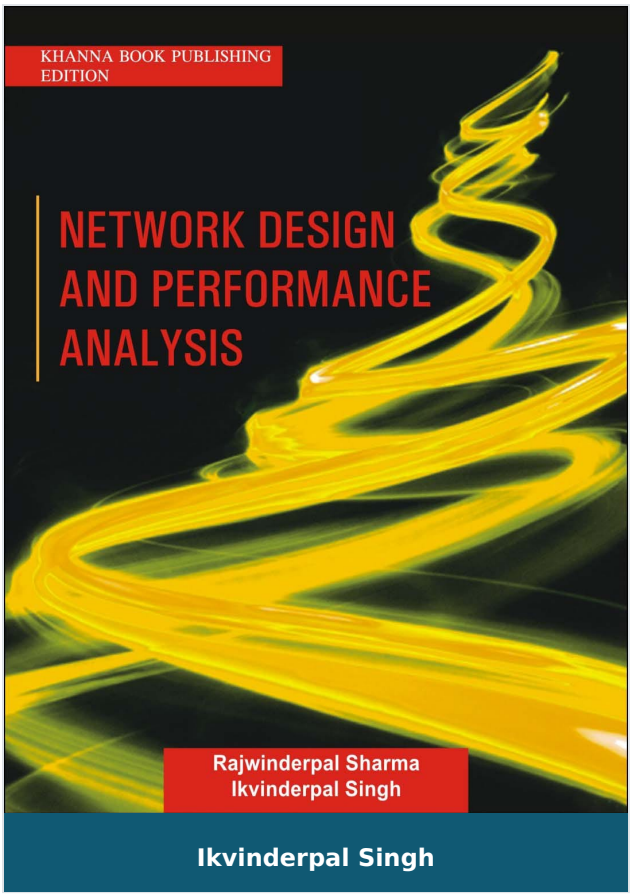
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Certificate of Excellence for meritorious services, outstanding performance and significant contribution to education. The International Institute of Success Awareness hon0red him with their globally recognized "Glory of India Gold Medal" for his outstanding contribution to the national stature of India. A few words from the certificate issued by Prof. Williams of MIT may be quoted "Our collaborative effort was directed at the wavelength dependence of radar echoes observations with the Millstone Hill UHF radar in Westford. He made use of the Charles River Data System computer in the Weather Radar Laboratory for these calculations. His results help to make a convincing case that the volume reflectivity associated with lighting is a diminishing function of radar wavelength, contrary to contemporary thinking". Dr.

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Network Design and Performance Analysis

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Product Description

Discusses on the introduction to requirements analysis and specifications. Detailed explanation of the Traffic Engineering & capacity planning. Provides a detailed treatment of network performance modeling. Covers the concept of choosing service provider, vendor and service levels. Design and architecture of access network design. Provides an extensive treatment of backbone network design. Covers the concept of security and designing for network. Detailed explanation of documentation and network management. Demonstrates the concept of the network optimization.

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- Traffic Engineering and Capacity Planning
- Network Performance Modeling
- Technology Comparisons
- Choosing Service Providers & Vendors & Service Levels
- Access Network Design
- Backbone Network Design
- Network Security
- Documentation and Network Management
- Network optimization

Author

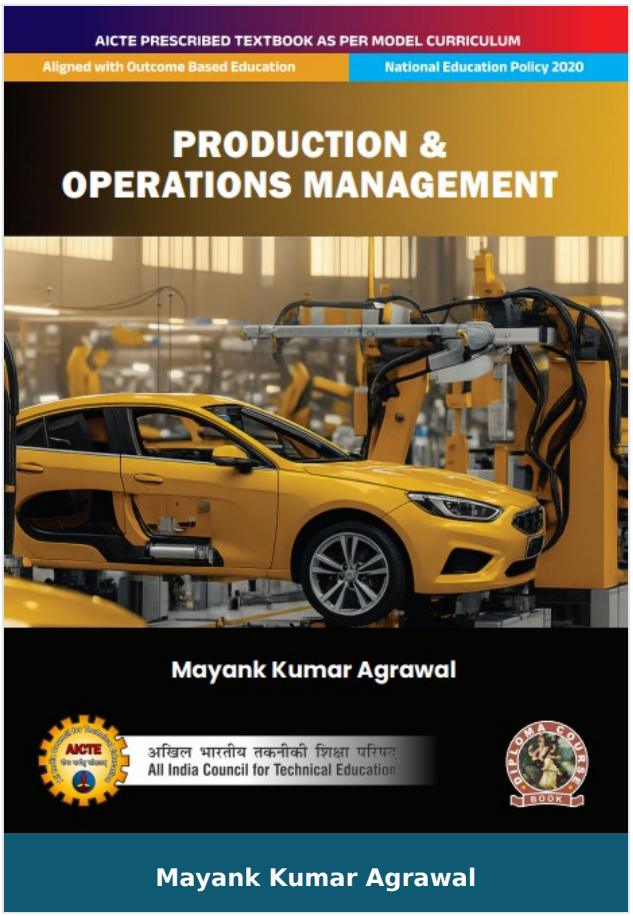
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Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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Production & Operations Management

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Product Description

Production & Operations Management

Production & Operations Management is a field of management that focuses on overseeing an optimizing the process of producing goods and services. It involves planning, organizing, and controlling the activities involved in the production of goods and delivery of services. This book gives detailed description about production management and operation management in industry. The book entitles “production & Operations management” developed as per the model curriculum of AICTE for third year students of mechanical and industrial Engineering.

Salient Features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved systematic step. All chapters have been updated to reflect new techniques, case studies and technologies. Expansion of purpose and impact of strategic planning, including environmental and sustainability issues. Allows students to understand the importance of the field at a higher level, including impacts and benefits to society as a whole.

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- Information included on lean production concepts and theory of constraints. Theory of constraint provides an interesting and potentially effective alternative method to think about several of the concepts in the book, and can help students compare and contrast theory of constraints with non-theory of constraint approaches.
- Book provides lots of recent information, interesting facts, QR code for E-resources etc.

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Object Oriented Analysis and System Engineering

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Product Description

OBJECT ORIENTED ANALYSIS AND SYSTEM ENGINEERING serves as a foundational and comprehensive guide to Object-Oriented System Development (OOSD), a cornerstone of modern software engineering. In today's rapidly evolving technological landscape, the book addresses the critical need for robust, scalable, and maintainable software solutions by providing a structured methodology for building complex, reusable, and efficient systems.

The book delivers the fundamental concepts of object-oriented thinking, commencing with an in-depth exploration of object basics, including objects, classes, inheritance, polymorphism, and encapsulation. It systematically covers the entire Object-Oriented System Development Life Cycle (OOSDLC), offering a holistic view from initial requirements Analysis to Design and final Software Quality Assurance.

The practical value of this text lies in its detailed coverage of object-oriented methodologies—such as Rumbaugh's OMT, Booch, and Jacobson's methods—and the standard Unified Modeling Language (UML) for modeling, design, and documentation. Furthermore, it emphasizes the importance of a use-case driven approach for requirements identification and the application of reusability and component-based development for producing high-quality software. This essential reference is explicitly designed for a wide audience, including students, academicians, researchers, developers, industry professionals, and technology enthusiasts who are seeking to develop a strong background in object-oriented system development and leverage its power for creating innovative solutions.

Salient Features:

• Core OOSD Concepts: Introduces foundational OOSD principles, including encapsulation, inheritance, polymorphism, and object-message communication, establishing a solid base

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for advanced object-oriented programming.

• Unified Methodologies: Details seminal O-O approaches like Rumbaugh's OMT, Booch, and Jacobson's methodologies, emphasizing their unification via the Unified Approach to standardize the software development process.

• UML and Modeling: Explores the Unified Modeling Language (UML) as the industry standard, detailing its static, dynamic, and use-case diagrams to accurately model complex system structures and behaviors.

• Use-Case Driven Analysis: Teaches practical object identification using a problem-driven approach, employing use-case modeling and classification techniques to clearly define system requirements from the user's perspective.

• Design Axioms & Layers: Explains Object-Oriented Design (OOD) with key axioms and corollaries, detailing the design of the Access (persistence/databases) and View (user interface) layers of the system.

• Object Persistence: Provides an in-depth look at managing data persistence using Object-Oriented Database Management Systems (OODBMS) and Object-Relational Database Management Systems (ORDBMS) for complex data handling.

• Software Quality Assurance: Focuses on the impact of object orientation on testing, covering the development of comprehensive test cases, test plans, and measuring system usability and user satisfaction.

• Reusability Focus: Stresses the critical benefit of reusability, providing strategies and guidance for maximizing component-based development to accelerate project timelines and ensure robust, maintainable code.

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- Software Quality

Author

K. Punitha

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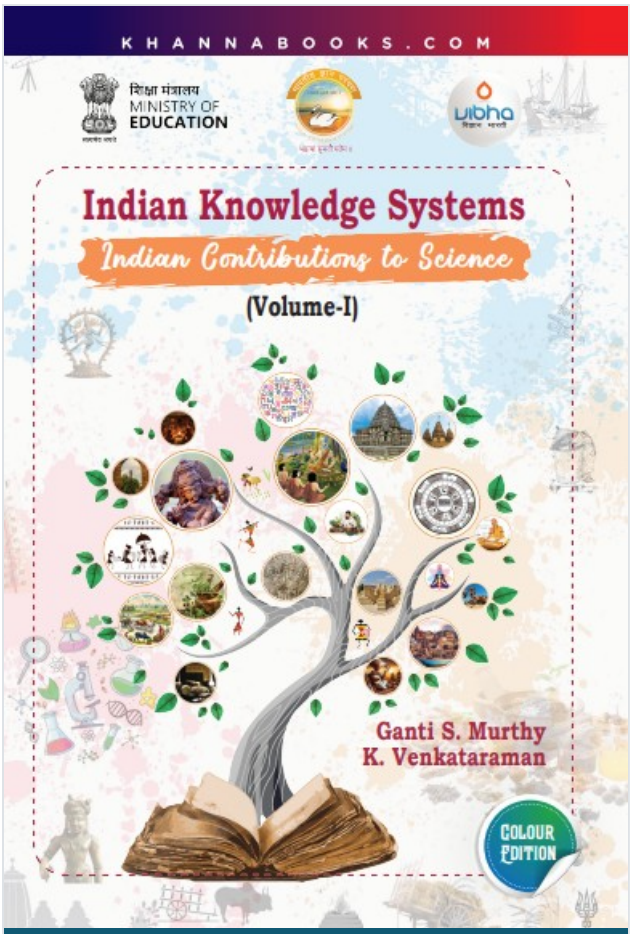
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Ganti S. Murthy, K. Venkataraman

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- A Glimpse of Indian Chemistry (Rasayanasastra)
- Ayurveda: The Holistic Science of Well-Being
- Traditional Medicinal Plants
- Indian Traditional Agriculture
- About The IKS Division

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Prof. Ganti S. Murthy is a professor of Biosciences and Biomedical Engineering at the Indian Institute of Technology Indore. He serves as the National Coordinator for Indian Knowledge Systems (IKS), an initiative of the Ministry of Education, government of India, and is the founding Head of the center for Indian Scientific Knowledge Systems at IIT Indore. With a Ph.D. in Agricultural and Biological Engineering from the University of Illinois at Urban-Campaign, and prior tenure as a professor at Oregon State University,

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Professor Murthy brings a distinguished international research background to the study of traditional Indian agronomy. His scholarly work is focused on sustainable bioprocessing and the analysis of engineered systems, with a particular interest in the resilience of agro-ecological systems. He has played a pivotal role in numerous national committees, including those under the NCERT and UGC, aimed at incorporation IKS into educational curricula and policy. His research group is dedicated to developing sustainable solutions that are technically feasible, economically viable, and environmentally conscious.

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Prof. Ganti S. Murthy is a professor of Biosciences and Biomedical Engineering at the Indian Institute of Technology Indore. He serves as the National Coordinator for Indian Knowledge Systems (IKS), an initiative of the Ministry of Education, government of India, and is the founding Head of the center for Indian Scientific Knowledge Systems at IIT Indore. With a Ph.D. in Agricultural and Biological Engineering from the University of Illinois at Urban-Campaign, and prior tenure as a professor at Oregon State University, Professor Murthy brings a distinguished international research background to the study of traditional Indian agronomy. His scholarly work is focused on sustainable bioprocessing and the analysis of engineered systems, with a particular interest in the resilience of agro-ecological systems. He has played a pivotal role in numerous national committees, including those under the NCERT and UGC, aimed at incorporation IKS into educational curricula and policy. His research group is dedicated to developing sustainable solutions that are technically feasible, economically viable, and environmentally conscious.

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