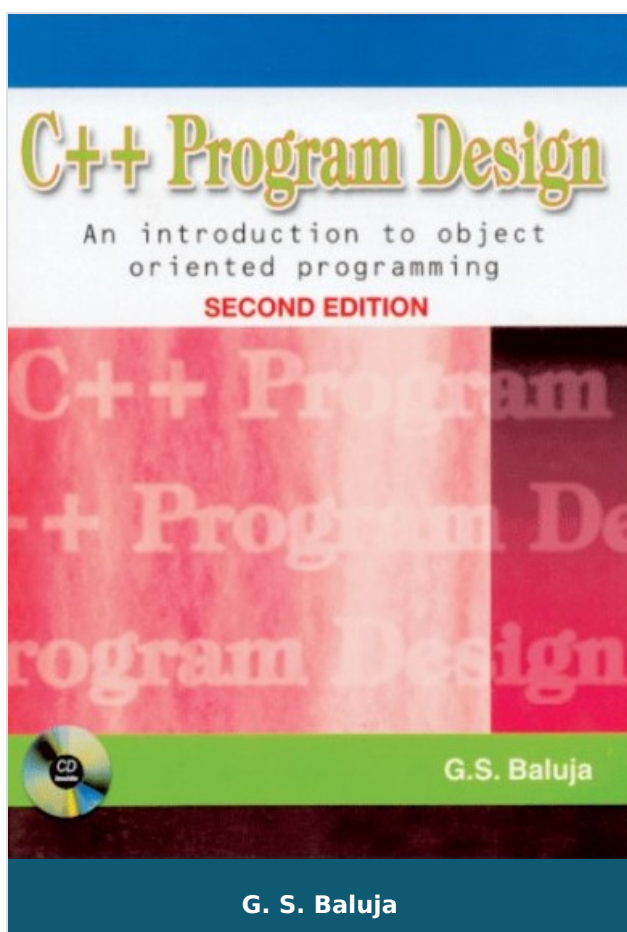




C++ Program Design

Author :	G. S. Baluja
ISBN 13 :	978-81-87522-12-6
ISBN 10 :	8187522127
E-ISBN 13 :	978-81-87522-12-6
Edition :	2
Pages :	704
Type of book :	Physical
Year :	2015
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book is a unique book valuable for beginners, intermediate and advance users. It is written with several goals in mind. It is designed to provide all the essential information you'll need to learn and master C++. It presents the basic to advance features of C++ in the context of procedural, genetic and object oriented programming. It contains a rich collection of examples, solved problems and exercises drawn from many fields to provide the reader with a chance to solve interesting real world problems. The plus point of this book is, its detail coverage of all the major features of C++ including new additions like standard template library, exception handling, graphic and data structures. With this one book you can master the language in quick time.

Table Of Contents

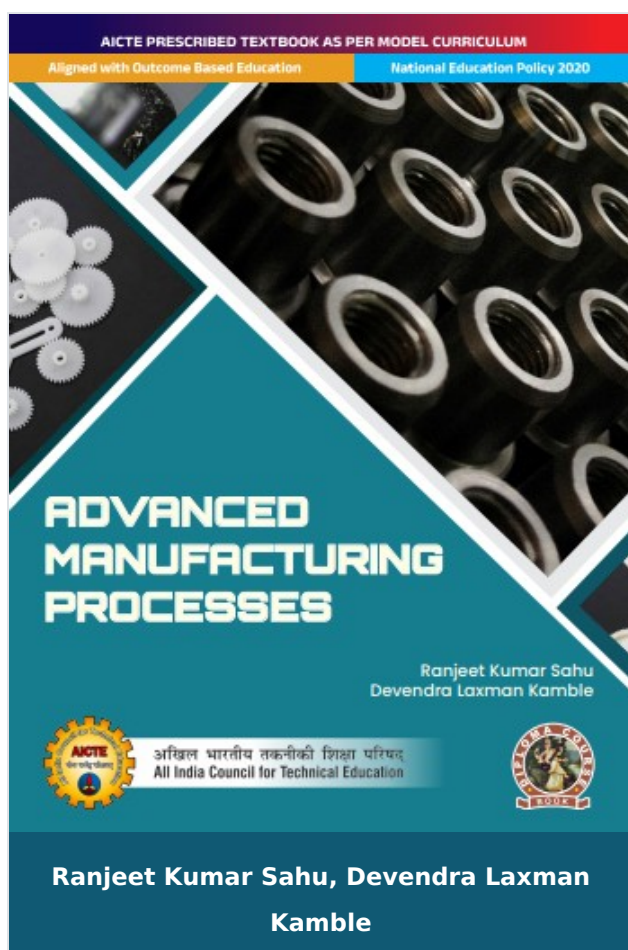
- Introduction to Computer Languages and C++ Programming
- Fundamentals of C++
- Input and Output
- Control Structures
- Functions
- Array
- Pointers
- Structures and Unions
- Object Oriented Programming- Part I
- Object Oriented Programming- Part II
- Inheritance
- Virtual Functions and Polymorphism
- Function and Operator Overloading
- Templates and Exception Handling
- File Handling
- Graphics In C++
- Data Structure in C++

Author

G. S. Baluja

G. S. Baluja Gurvinder Singh Baluja: Mr. Gurvinder Singh is a teacher, trainer and consultant in the field of information technology. He holds a B.E. in Computer Science and Engineering. Currently the acting H.O.D. of GTBPI Vasant Vihar, New Delhi, and he is doing M. Tech (Part Time) in Computer Application from I.I.T. Delhi, already an author of

the book "C++ program Design".



Advanced Manufacturing Processes

Author : Ranjeet Kumar Sahu, Devendra Laxman Kamble

ISBN 13 : 978-93-55385-56-7

ISBN 10 : 9355385560

E-ISBN 13 : 978-93-55385-56-7

Edition : First

Pages : 148

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 276.00

Categories : [AICTE Prescribed Textbooks,](#)
[English Books, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Advanced Manufacturing Processes

The course Advanced Manufacturing Processes provides a fundamental knowledge on work and tool holding devices, machines and tools for processing of materials, and of the scientific principles behind modern processes. The course is presented in five units. Unit 1 deals with the jigs and Fixture; Unit 2 focuses on jig boring and plastic processing; Unit 3 covers modern machining processes; Unit 4 CNC Milling Machines and machine Tool Automation; and Unit 5 deals with special purpose machines and maintenance of machine Tools. All unit in the book provide the objectives of the study and expectations from the students in exercising OBE. This book is designed to serve as a valuable resource, offering both theoretical knowledge and practical guidance, so that the reader can realize the course effectively.

Salient Features:

- The content of the book is aligned with the mapping of course outcomes, programs outcomes and unit outcomes
- Both the student and teacher-centric subject materials are included in the book in a balanced and chronological manner.
- All figures, tables, and others are inserted to improve the clarity of the topic.
- Discussion on each unit helps the overall view of the chapter and helps in answering exercise questions.
- The book provides a lot of information and QR codes for E-resources.
- Explanations with underlying principles and detailed knowledge on machine tools and processes involved are the basics for the course Advanced Manufacturing Processes and, therefore, presented in a systemic way.

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Figures
- Jigs and Fixtures
- Jig boring plastic processing
- Modern machining processes
- Machining center
- Special purpose machines (SPMs)
- Bibliography
- Appendix
- CO and PO attainment Table
- Index

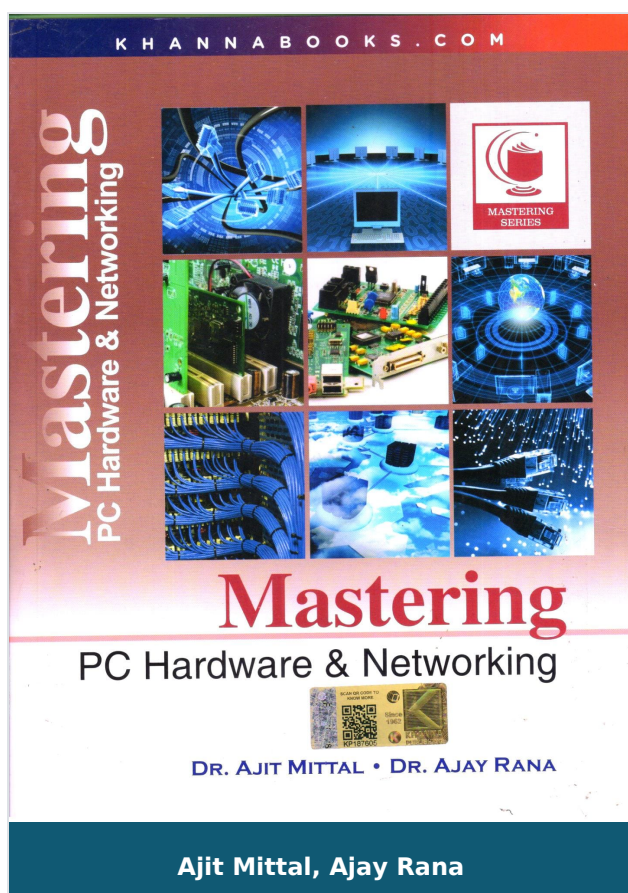
Author

Ranjeet Kumar Sahu

Dr. Ranjeet Kumar Sahu Assistant Professor (Grade 1) Department of Mechanical Engineering National Institute of Technology Karnataka, Surathkal Mr.

Devendra Laxman Kamble

Mr. Devendra Laxman Kamble Research Scholar Department of Mechanical Engineering National Institute of Technology Karnataka, Surathkal



Mastering PC Hardware & Networking

Author : Ajit Mittal, Ajay Rana

ISBN 13 : 978-81-90645-12-6

ISBN 10 : 8190645129

E-ISBN 13 : 978-81-90645-12-6

Edition : 1

Pages : 456

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 395.00

Categories : [Book Store](#), [Mastering Series](#), [Best Sellers](#), [ADVANCE COMPUTER BOOKS](#)

Condition Type : New

Country Origin : India

Product Description

Hardware and networking form the basic cores of the computer knowledge, not only for the users but also for the people who are there to take care of the computer system. They are the ones who would become Hardware Engineers. Networking is another important aspect of the computer system. In fact, it forms the base for internet. In this book various aspects of networking are covered. Starting from various types of topologies, it goes on to trace the security, architecture, connectivity and administration, etc. The book ends up with a chapter on wireless networking.

Table Of Contents

- Computer System
- Mouse
- Scanner
- Keyboard
- Monitor
- Printer
- Optical Media
- Hard Disk Drive
- Floppy Disk Drive
- Processors
- Motherboards
- Power Supplies
- Bios
- Beep Codes
- Buses and Memory
- I/O Interfaces
- Computer Installation
- New Computer Devices
- Data Recovery and BIOS Updating
- Communication Technology
- Network Technology
- Designing the Network
- Network Security

- Network Architecture
- Network Connectivity
- Network Administration Security
- Wireless Networking

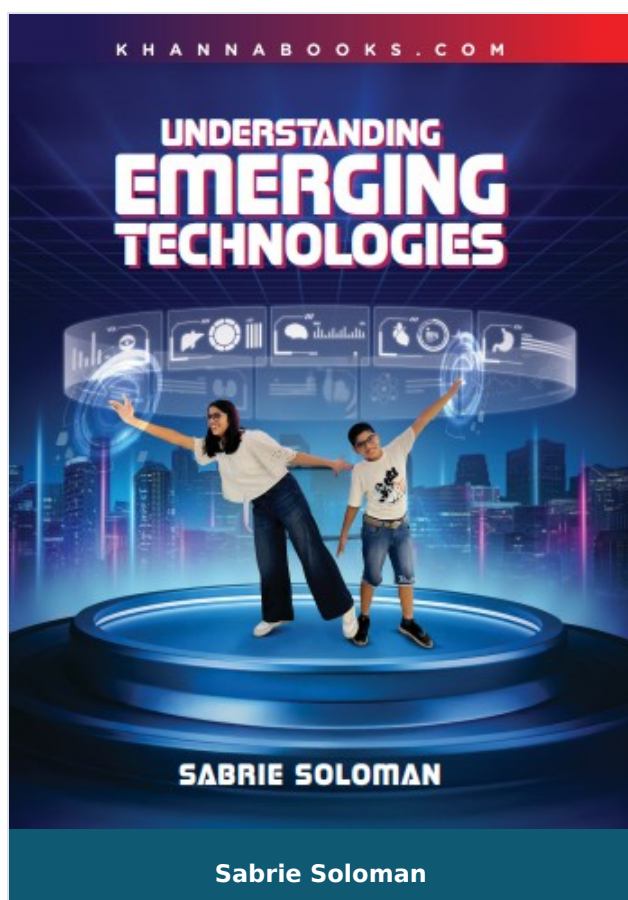
Author

Ajit Mittal

Dr. Ajit Mittal M. Com. Ph.D. (U.P) MBA (Finance) Professor, Amity International Business School, Amity University , Noida. "

Ajay Rana

Dr. Ajay Rana Professor, Department of Computer Science & Engineering Dean and Director, Amity University 30+ patents under his name in the field of IoT, Network & Sensors 279+ Research publications Co-authored 6 Books Completed 30 Sponsored Research Projects Senior member, Academic Council & Executive Council, Amity University Strong corporate connect



Understanding Emerging Technologies

Author :	Sabrie Soloman
ISBN 13 :	978-93-55385-43-7
ISBN 10 :	9355385439
E-ISBN 13 :	978-93-55385-43-7
Edition :	First
Pages :	378
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 450.00
Categories :	New Arrivals, Emerging Technologies, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Understanding Emerging Technologies

This book explores cutting-edge technologies like AI, AR/VR, IoT, 3D printing, blockchain, quantum computing, data science, and fusion power. It highlights their transformative impact on industries, healthcare, education, energy, and daily life. Readers gain insight into how pioneers are shaping the future, the benefits and challenges of each technology, and the promise of innovation-driven progress. A must-read for understanding the evolving tech landscape and its role in creating a smarter, sustainable, and connected world.

Table Of Contents

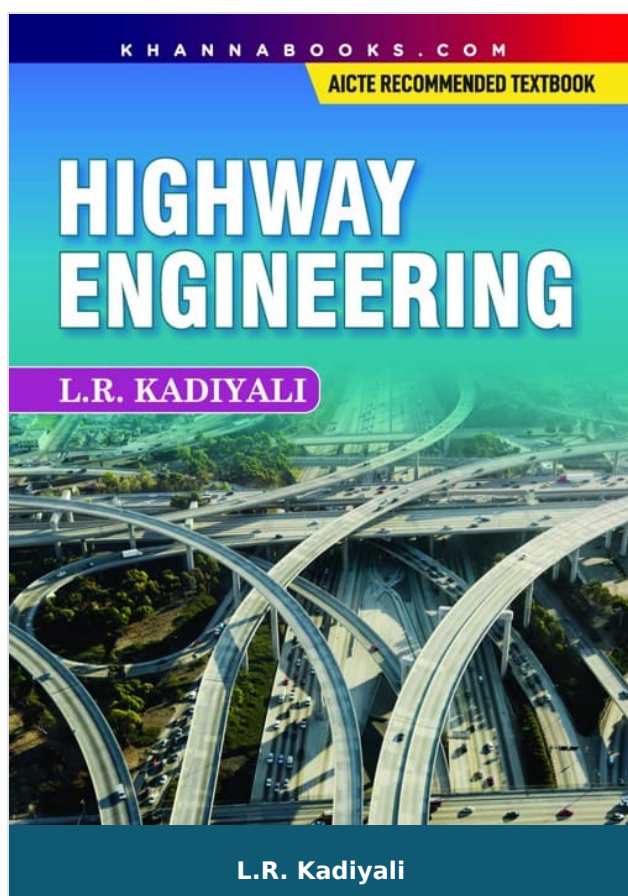
- What is AI?
- Augmented and virtual reality
- Internet of things – IoT
- 3d bio-printing
- Block chain technology
- Data science
- Machine learning
- Quantum computers
- Harnessing fusion power

Author

Sabrie Soloman

Dr. Sabrie Soloman, Ph.D., Sc.D., MBA, PE - He is the Chairman & CEO of American Sensor x, Inc, USA; Founder of Advanced Manufacturing Post Graduate Studies at Columbia University, USA; Professor of Advanced Technology at Columbia, where he lectures on Sensors & Control Systems in Manufacturing, Affordable Automation, Computer Integrated Manufacturing (CIM), Flexible Manufacturing System (FMS), Design for Manufacturability, Introduction to Electromechanical Engineering, Modern Welding Technology, and 3D Printing/Bioprinting Technology. Dr. Soloman authored numbers of technical books published and translated worldwide: Sensors Handbook (2nd edition), Sensors and Control Systems in Manufacturing (2nd edition), Affordable Automation, Introduction to Electromechanical Engineering, Modern Welding Technology, to name a few. Dr. Soloman holds numerous Patents, Technical Awards, and several US Product Registrations. He is a Fellow of the Society of Manufacturing Engineers. USA. The Royal

Society of Manufacturing Engineers (England), and L'Ores Des Ingenieurs Du Quebec (Canada), He received several awards from the American Society of Mechanical Engineers (ASME), the Society of Manufacturing Engineers (SME), and the American Management Association (AMA). Dr. Soloman is considered an international authority on advanced manufacturing technology, robotics, biomedical engineering, pharmaceuticals, and automation in the microelectronic, automotive, beef, pork, poultry industries. He has been and continues to be instrumental in developing and implementing several industrial and modernization programs through the United Nation to European, Asian, and African countries. He is the first to introduce and implement unmanned flexible synchronous/asynchronous manufacturing systems the microelectronic and meat industries, and the first to incorporate advanced vision technology in a wide array of robot/micro-robot manipulators. Dr. Soloman was selected to deliver the US Presidential closing address, "Innovative Remote Sensors Technologies," at the Universal Design Conference, New York, USA



Highway Engineering

Author :	L.R. Kadiyali
ISBN 13 :	978-93-86173-13-3
ISBN 10 :	9386173131
E-ISBN 13 :	978-93-86173-13-3
Edition :	First
Pages :	604
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 525.00
Categories :	Civil Engineering, UNIVERSITY RECOMMENDED, Civil Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book on Highway Engineering shall be useful for B.E./B. Tech & M.E/ M. Tech students of Civil Engineering. It shall also be useful for practicing Engineering and designers.

Table Of Contents

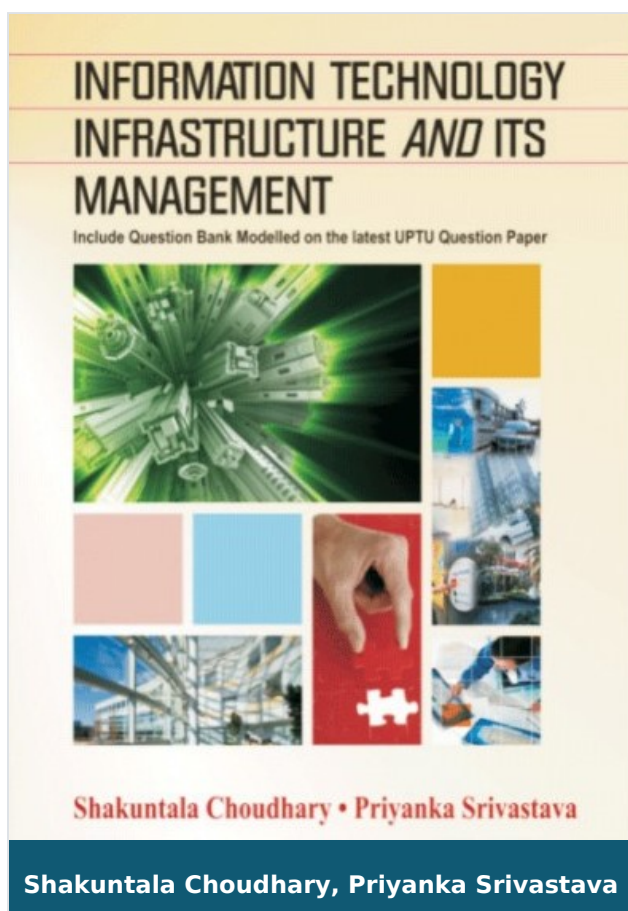
- Development of Highways
- Highway Administration and Finance
- Road User and the Vehicle
- Geometric Design
- Design Surveys, Soils and Aggregates, Investigations and Tests
- Design, Drawing, Estimates and Projects Report
- Economic Evaluation of Highway Projects
- Embankment Design and Construction
- Types of Pavements and Factors Governing Pavement Design
- Pavement Materials
- Design of Flexible Pavements
- Rigid Pavements
- Soil Stabilisation
- Granular Sub-Bases, Bases and Surface Courses
- Brick, Stone and Cement Concrete Block Pavements
- Hill Roads
- Rural Roads (Low Volume Roads)
- Urban Roads
- Expressways
- Toll Roads
- Desert Roads
- Roads in Swampy and Water-Logged Areas and in Black Cotton Soils
- Road Construction Machinery

- Road Construction Programming and Management
- Highway Drainage
- Cross-Drainage Structures
- Road Accident and Highway Design
- Road Signs
- Road Markings
- Traffic Signals
- Highway Safety Appurtenances
- Highway Maintenance
- Pavement Evaluation
- Overlay Design and construction
- Use of Geosynthetics
- Environmental, Landscaping and Arboriculture
- Airport Engineering

Author

L.R. Kadiyali

L.R. Kadiyali Dr. L.R.Kadiyali is B.E.(Hons.), from Bombay and pursued Ph.D. from Kakatiya University.He has done P.G. diploma in Highway and Traffic Engineering from Newcastle-Upon-Tyne. He is Formerly Chief Engineer, (Roads Wing), Ministry of Road Transport & Highways, New Delhi and Study Director, Road User Cost Study, Central Road Research Institute New Delhi.



Information Technology Infrastructure & Its Management

Author : Shakuntala Choudhary, Priyanka Srivastava

ISBN 13 : 978-93-80016-39-9

ISBN 10 : 9380016395

E-ISBN 13 : 978-93-80016-39-9

Edition : 1

Pages : 264

Type of book : Physical

Year : 2014

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 195.00

Categories : [Computer Science Engineering,](#)
[Book Store](#)

Condition Type : New

Country Origin : India

Product Description

This book is specially designed to serve as a textbook for undergraduate students of engineering at Uttar Pradesh Technical University (UPTU), This subject has been introduced for the first time in UP technical University. We have tried our best to cover the whole syllabus. Throughout the text, it has been our Endeavour to keep the explanations and definitions as lucid as possible. This book is written exclusively with students in mind. The language is user-friendly and conducive to learning. Though every attempt has been made to avoid and check error, we will be grateful to readers if they can point out any that may have crept in inadvertently.

Table Of Contents

- Introduction to IT Infrastructure
- Service Delivery Process
- Service Support and Storage Management
- Security Management
- IT Ethics and Emerging Trends
- Question Bank

Author

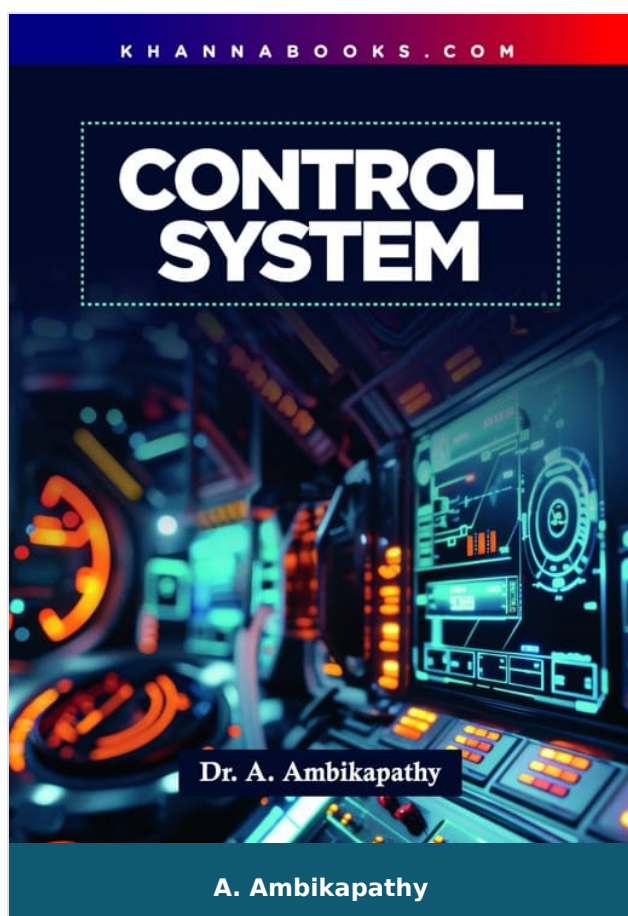
Shakuntala Choudhary

Shakuntala Choudhary has completed his Bachelor of Engineering & M. Tech. in Computer Science & Engg. She started her teaching career in an Engineering Education from Sri Balaji College of Engineering and Technology, Jaipur, India. And worked their as HOD of IT Department. She also served in Dronacharya College of Engineering Gurgaon. Presently she is working in Bansal Institute of Engineering & Technology, Lucknow. She has rich experience in teaching for various subject like Automata, Analysis of Algorithms, Discrete Mathematics and IT Infrastructure. She had certified by ""Faculty Enable Programme"" (FEP) at INFOSYS, Chandigarh. She has published 3 - Vol of a technical magazine ""EPISTLE"" She has published various National level technical papers and Attended various Conferences. "

Priyanka Srivastava

Priyanka Srivastava has completed his B.Tech in Information Technology & MBA (IT) from ICFAI University. She started her teaching career in engineering education from Dr. M.C. Saxena College of Engineering & Technology, Lucknow. Presently she is working as a Faculty in Bansal Institute of Engineering & Technology, Lucknow. She attended various

national level Seminars and Workshops. She has experience in teaching for various subjects like C-Programming, Web Technology, Database Management and IT Infrastructure Management.



Control System

Author :	A. Ambikapathy
ISBN 13 :	978-93-80016-94-8
ISBN 10 :	9380016948
E-ISBN 13 :	978-93-80016-94-8
Edition :	First
Pages :	788
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 785.00
Categories :	Electrical, Electronics & Communication Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

The textbook on Control System tells about the basic concepts of control system in a detailed manner. This book contains the brief explanation about block diagram reduction, signal flow graph and time domain analysis. The techniques which are used in control system such as root locus, bode plot and polar plots are explained in detail. designing procedures for the compensators (Lag, lead and lag lead) are given in easy manner and steady state space analysis also explained in a simple manner. The effort has been taken to explain all the concepts in a simple language to make the students to understand the concepts very easily.

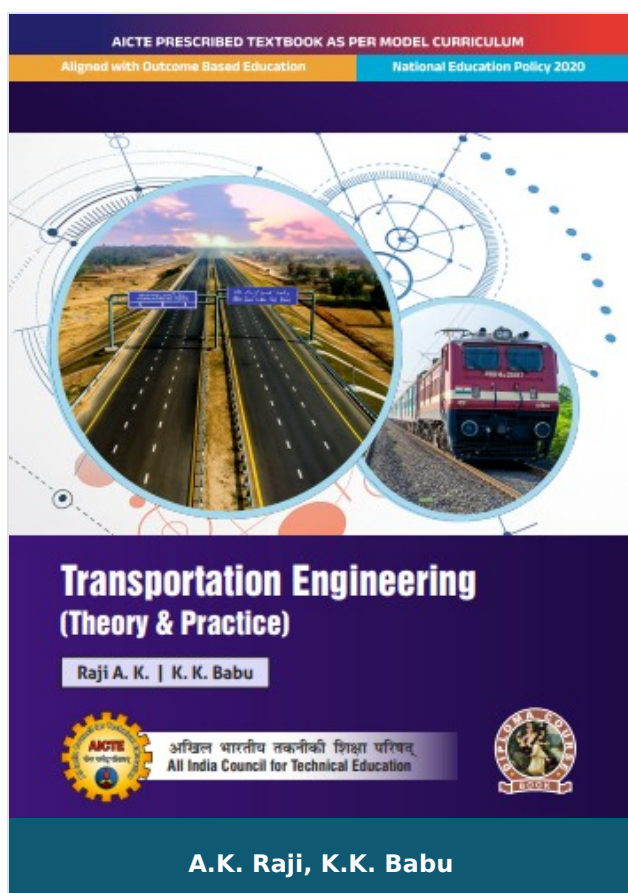
Table Of Contents

- Basics of Control System
- Time Domain Analysis
- Concept of Stability
- Correlation
- Compensators Design

Author

A. Ambikapathy

A. Ambikapathy currently working as an assistant professor in " Galgotia Colege of Engineering and Technology " holds M. Tech degree. She has presented five papers in national level conferences. She worked under three different universities and having ten years of teaching experience.



Transportation Engineering (Theory & Practice)

Author : A.K. Raji, K.K. Babu

ISBN 13 : 978-93-55386-77-9

ISBN 10 : 935538677X

E-ISBN 13 : 978-93-55386-77-9

Edition : First

Pages : 308

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 548.00

Categories : [AICTE Prescribed Textbooks,](#)
[English Books, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Transportation Engineering (Theory & Practice)

This book gives a comprehensive coverage of Highway Engineering and Railway Engineering, and is primarily intended for the second-year Diploma course under the AICTE curriculum. The contents are designed and presented in simple language and lucid style in line with the principles of implementation of outcome-based education, as per the National Education Policy (NEP) 2020.

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.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'know more' section is also provided in each unit to extend the learning beyond syllabus.
- 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 with systematic steps.

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
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- List of Figures
- OVERVIEW OF HIGHWAY ENGINEERING
- GEOMETRIC DESIGN OF HIGHWAYS
- CONSTRUCTION OF ROAD PAVEMENTS
- BASICS OF RAILWAY ENGINEERING
- TRACK GEOMETRICS, CONSTRUCTION AND MAINTENANCE
- APPENDICES
- ANNEXURES
- References for Further Learning
- CO and PO Attainment Table
- Index

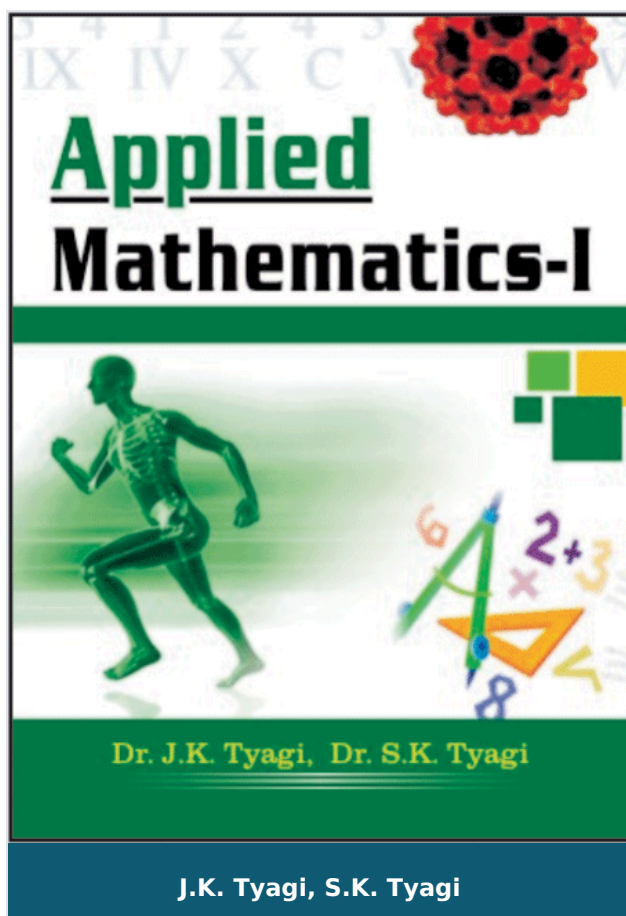
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A.K. Raji

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K.K. Babu

Dr. Raji A. K Professor & Head (Retd.), Dept. of Civil Engineering, NSS College of Engineering, Palakkad - 678 008, Kerala Dr. K. K. Babu Professor (Retd.), Dept. of Civil Engineering, NSS College of Engineering, Palakkad - 678 008, & Former Director, Sreepathy Institute of Management and Technology, Palakkad, Kerala



Applied Mathematics-I

Author : J.K. Tyagi, S.K. Tyagi

ISBN 13 : 978-93-80016-17-7

ISBN 10 : 9380016174

E-ISBN 13 : 978-93-80016-17-7

Edition : 1

Pages : 485

Type of book : Physical

Year : 2012

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 310.00

Categories : [APPLIED SCIENCES & HUMANITIES, Book Store,](#)
[APPLIED SCIENCES & HUMANITIES](#)

Condition Type : New

Country Origin : India

Product Description

The language is very simple and easily understandable. The approach is to communicate the practical aspects of mathematics in a way that drives out the common fear of learning any mathematical subject. A large number of solved and unsolved problems have been included. Topics are followed by figures and tables. The notations and terminology have been clearly explained wherever desirable. In each chapter, all concepts and definitions have been discussed in detail with suitable examples.

Table Of Contents

- Differential Calculus
- Integral Calculus
- Ordinary Differential Equations
- Vector Calculus
- Tutorials Sheets

Author

J.K. Tyagi

Dr. J.K. Tyagi is Professor and head department of Applied Science, Maharaja Agarsain Institute of Technology Ghaziabad (U.P.)

S.K. Tyagi

Dr. S.K. Tyagi is Senior Lecturer, Amity School of Engineering and Technology , Amity University, Noida (U.P.)

K H A N N A B O O K S . C O M

INTRODUCTION TO RASPBERRY PI AND ARDUINO



K.S. Kamatchi

Kamatchi K. S.

Introduction to Raspberry Pi and Arduino

Author : Kamatchi K. S.

ISBN 13 : 978-93-55382-24-5

ISBN 10 : 9355382243

E-ISBN 13 : 978-93-55382-24-5

Edition : First

Pages : 192

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 298.00

Categories : [Computer Science Engineering,](#)
[New Arrivals, Book Store,](#)
[Sathyabama Series](#)

Condition Type : New

Country Origin : India

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

"Introduction to Raspberry Pi and Arduino" is a comprehensive, practical guide designed to launch aspiring engineers, students, and hobbyists into the dynamic world of the Internet of Things (IoT), embedded systems, and electronics. Recognizing that modern IoT innovation rests upon versatile prototyping tools, this book provides focused, hands-on instruction for the two most popular platforms: Arduino and Raspberry Pi.

The core purpose of this text is to bridge the gap between theoretical electronic concepts and the tangible creation of smart devices. The journey begins by laying the groundwork, introducing the essential components of any IoT ecosystem, such as sensors and actuators. The book then systematically separates the platforms: Arduino is utilized for building interactive and rapid-prototyping applications, while the more powerful Raspberry Pi is leveraged for creating complex, networked, and web-connected projects. Readers will learn to integrate Wi-Fi supported modules like the ESP 8266, manage cloud communication (e.g., Thing Speak, Blynk), and design full-scale home automation systems that combine both microcontrollers.

With its academic yet friendly tone and chapters structured around hands-on examples, this resource guarantees that by the end, you will be equipped with the necessary knowledge and practical skills to create your own innovative IoT solutions, moving from the simplest to the most sophisticated systems. This book is your essential gateway to becoming a builder in the digital age.

Salient Features:

- **Dual Platform Focus:** Dedicated, practical coverage of both Arduino (for interactive prototyping) and Raspberry Pi (for complex, networked systems), providing versatile skills for any DIY electronics project.

- **Core IoT Components:** Detailed introduction to sensors and actuators and their roles in IoT systems, with practical guidance on interfacing various types of sensors (LDRs, DHT-22, etc.) for crucial data collection.
- **Hands-on Projects:** Every chapter provides hands-on examples and step-by-step guides, enabling readers to follow along, experiment, and immediately build their own IoT applications for real-world problem-solving.
- **Cloud Communication:** Comprehensive coverage of IoT integration and cloud connectivity, including using the ESP 8266 Wi-Fi module and platforms like ThingSpeak and Blynk for remote data monitoring.
- **Web-Connected Control:** Teaches how to leverage the Raspberry Pi's potential for web-connected projects, covering key concepts like setting up a LAMP Web-server and controlling GPIO pins over a web browser.
- **Visual Programming:** Includes exploration of the Node-RED Visual Editor, which simplifies home automation and IoT design using a flow-based programming model to connect hardware, APIs, and online services.
- **Integrated Automation:** Explains the design and implementation of home automation systems that leverage both platforms, covering communication protocols like MQTT and providing blueprints for smart devices and solutions.
- **Code Practicality:** Provides executable code and programming guidance in both C/C++ (for Arduino sketches) and Python (for Raspberry Pi GPIO and networking), preparing the reader for full-stack embedded development.

Table Of Contents

- Introduction to Sensors
- IoT with Arduino
- Programming ESP 8266 Module
- Introduction to Raspberry Pi
- IoT Design Using Raspberry Pi
- Exercises

Author

Kamatchi K. S.

P. Jeyanthi, Sankari M., Kamatchi K. S.