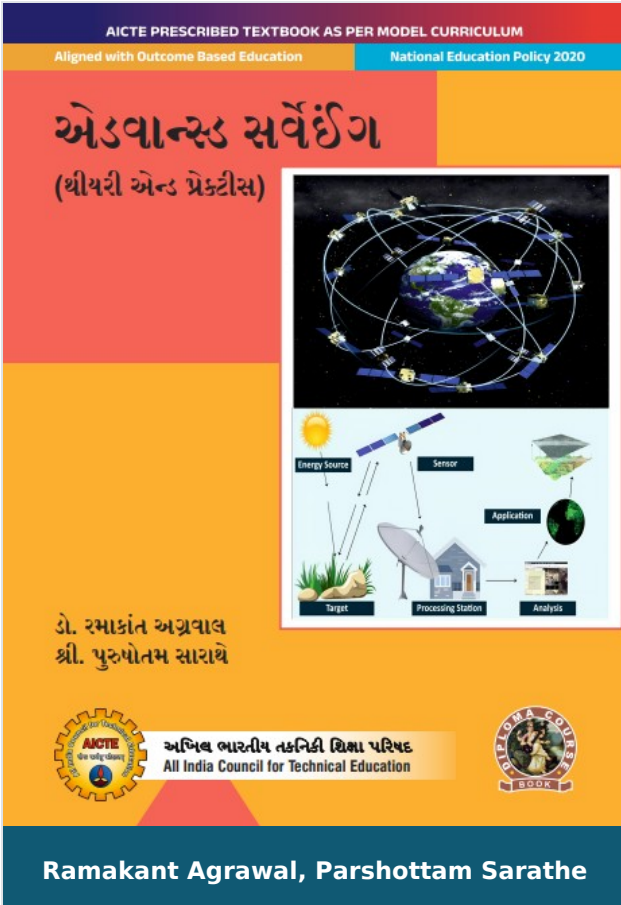




Advanced Surveying: Theory & Practice

Author : Ramakant Agrawal, Parshottam Sarathe

ISBN 13 : 978-93-55387-37-0

ISBN 10 : 9355387377

E-ISBN 13 : 978-93-55387-37-0

Edition : First

Pages : 176

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 298.00

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

Condition Type : New

Country Origin : India

Product Description

Advanced Surveying: Theory & Practice

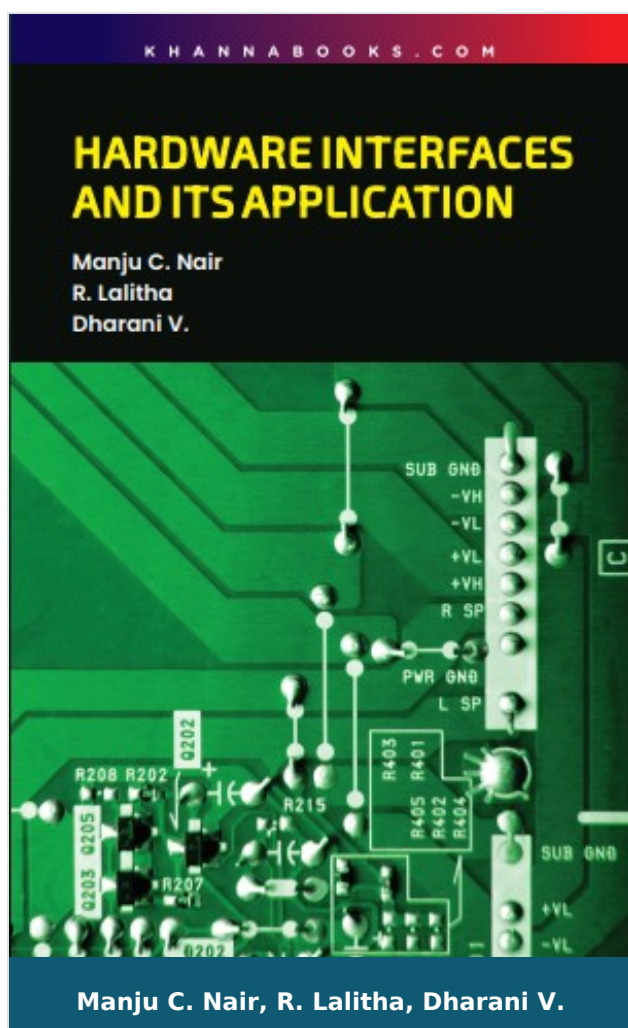
Author

Ramakant Agrawal

Dr. Ramakant Agrawal Professor and Head, Department of Civil Engineering, Oriental Institute of Science and Technology, Bhopal Mr.

Parshottam Sarathe

Mr. Parshottam Sarathe Asstt. Professor, Department of Civil Engineering, Oriental Institute of Science and Technology, Bhopal



Hardware Interfaces and Its Application

Author : Manju C. Nair, R. Lalitha, Dharani V.

ISBN 13 : 978-93-55386-43-4

ISBN 10 : 9355386435

E-ISBN 13 : 978-93-55386-43-4

Edition : First

Pages : 176

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 298.00

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

Condition Type : New

Country Origin : India

Product Description

Hardware Interfaces and Its Application

The foundation of modern technology—from high-performance computing to advanced networking and Artificial Intelligence—rests on the seamless integration of hardware interfaces. *Hardware Interfaces and Its Application* serves as a comprehensive and structured guide, providing a crucial understanding of the intricate connections that determine the performance, reliability, and functionality of modern computing systems. This book meticulously covers the evolution of personal computers, delves into essential components like processors, memory, and storage, and explores the crucial interfaces of motherboard designs, power management, and bus architectures.

The core purpose of this resource is to bridge the gap between foundational theoretical concepts and real-world, practical applications. It progresses logically, beginning with the history of computing and culminating in advanced topics such as modern CPU concepts, high-speed storage interfaces (NVMe, Hybrid), and network security protocols. The text ensures readers gain both theoretical expertise and practical insights for system optimization and maintenance.

Tailored for a broad audience, including students, aspiring engineers, IT professionals, and researchers, the content is carefully curated to cater to different levels of expertise. Whether you are a beginner seeking solid grounding or an experienced professional aiming to deepen your knowledge, this book is an invaluable reference for navigating the complexities of modern hardware architecture and staying updated with emerging industry trends.

Salient Features:

- **Foundational Architecture:** Explores the evolution of computing from mechanical devices to modern AI-powered systems and establishes the core principles of the

Von Neumann architecture.

- **Modern CPU Concepts:** Detailed coverage of processor modes (Real, Protected, Virtual) and modern multi-core architectures, including CPU overclocking and performance optimization techniques.
- **Advanced Storage Solutions:** Comprehensive comparison of HDD vs. SSD technologies and in-depth discussions on RAID configurations, cloud storage, and high-speed NVMe interfaces for data management.
- **System Interconnectivity:** Focuses on core interfaces, including motherboard form factors, chipset roles, BIOS/UEFI firmware, and bus architectures like PCI Express and Thunderbolt.
- **Practical I/O & Networking:** Dedicated units on I/O peripherals (Serial/Parallel Ports) and network components (Switches, Routers, Cabling), crucial for system integration and performance.
- **Real-World Troubleshooting:** Includes practical case studies and solved problems for troubleshooting power failures, boot issues, and implementing efficient thermal management (air/liquid cooling).
- **Sustainability Focus:** Integrates discussions on environmental sustainability, e-waste management, and the ethical responsibilities associated with technology upgrades and hardware maintenance practices.

Table Of Contents

- INTRODUCTION TO PC AND MEMORY
- MOTHERBOARD DESIGNS
- STORAGE DEVICES AND DATA INTERFACES
- MEMORY MANAGEMENT AND OPTIMIZATION
- ADVANCED STORAGE TECHNOLOGIES

Author

Manju C. Nair

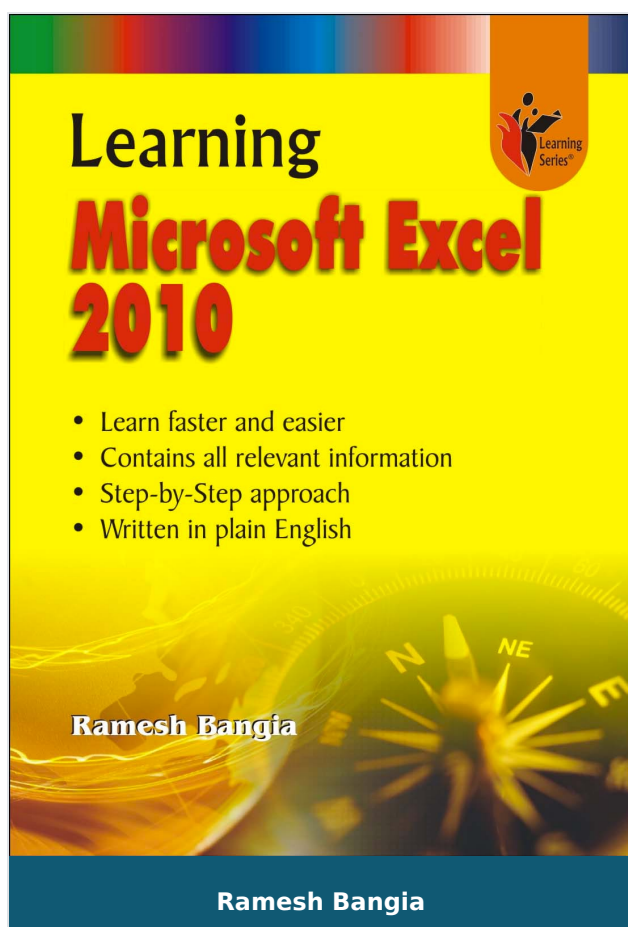
Manju C. Nair, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology R.Lalitha, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology Dharani V., Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

R. Lalitha

Manju C. Nair, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology R.Lalitha, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology Dharani V., Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

Dharani V.

Manju C. Nair, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology R.Lalitha, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology Dharani V., Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology



Learning Microsoft Excel 2010

Author :	Ramesh Bangia
ISBN 13 :	978-93-81068-02-1
ISBN 10 :	938106802X
E-ISBN 13 :	978-93-81068-02-1
Edition :	1
Pages :	192
Type of book :	Physical
Year :	2011
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
Categories :	Book Store, Learning Series, BASIC COMPUTER BOOKS
Condition Type :	New
Country Origin :	India

Product Description

The complete Learning Series has been designed in a very systematic and logical manner. Each topic has been developed from the basic concepts. Practically every major point in the text is illustrated with suitable examples and screen shots. This will help the students in understanding the basic theory and train them in solving every problem systematically, and confidently. A large number of unsolved as well as solved exercises have also been included in the book. Microsoft Excel 2010 is a spreadsheet program used for worksheet based requirements. The book takes you around the software and explains the working with the help of a live example. Insertions of the various types of graphics and images drawings, etc., are also explained. various types of functions are there in excel, which are covered in the book. They are listed in the book and few of them have been explained with the of the examples. The language of the text of the book is lucid, direct and easy-to understand. Each chapter is laced with various diagrams wherever possible. Functions has been explained in full and some of them have been explained in the form of examples. Tips for working faster using the keyboard shortcuts are also provided.

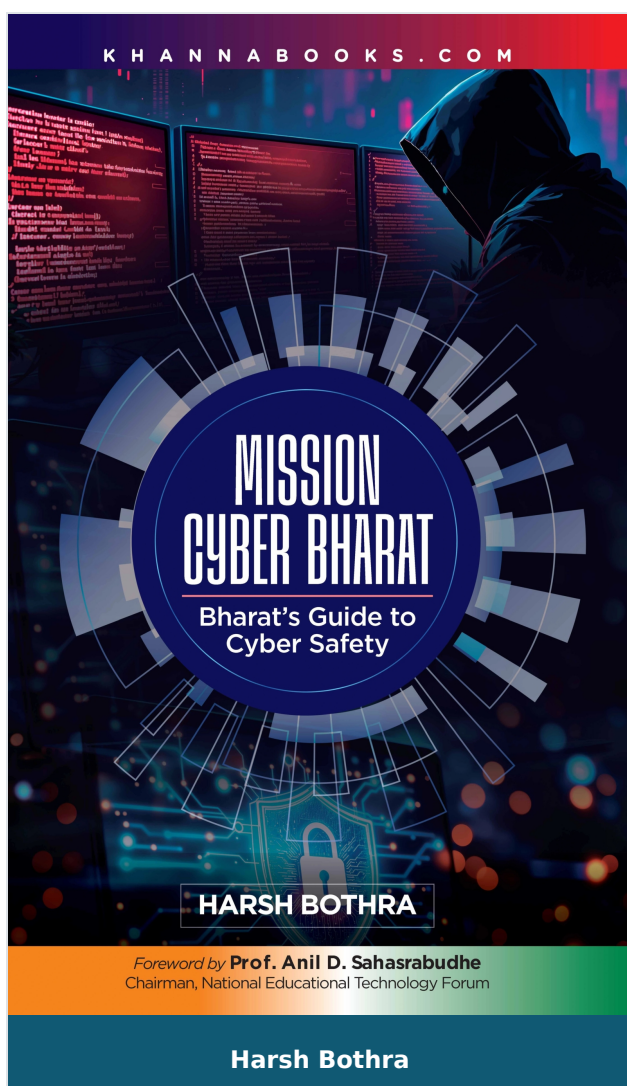
Table Of Contents

- Introduction to Microsoft Office 2010
- What's New in Microsoft Excel 2010
- Spreadsheet Basics
- Creating a Worksheet in Microsoft Excel 2010
- Advance Techniques of Microsoft Excel 2010
- Charts in Microsoft Excel 2010
- Web Based Commands of Microsoft Excel 2010
- Functions in Microsoft Excel 2010
- Glossary of Words used in Microsoft Excel 2010
- Keyboard Shortcuts in Excel 2007
- 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 East and African countries.



Mission Cyber Bharat (Bharat's Guide to Cyber Safety)

Author :	Harsh Bothra
ISBN 13 :	978-93-55387-66-0
ISBN 10 :	9355387660
E-ISBN 13 :	978-93-55387-66-0
Edition :	1
Pages :	134
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 150.00
Categories :	Emerging Technologies, Book Store
Condition Type :	New
Country Origin :	India

Product Description

In an age where our lives are increasingly woven into the digital fabric—from online banking and social media to e-governance and digital payment—the threat of cyber fraud, data breaches, and identity theft often shadows the promise of convenience. India, with its vast and vibrant digital ecosystem, stands at the cusp of a cybersecurity revolution. Yet, for millions of households, the jargon-filled world of firewalls, phishing, and two-factor authentication remains daunting and opaque.

Mission Cyber Bharat was born out of a simple conviction: cybersecurity should not be the exclusive domain of specialists. Every citizen, regardless of age or technical background, deserves to understand the risks and arm themselves with practical defenses. Drawing on real-world stories— from schoolchildren targeted by “WhatsApp scholarship” scams to elderly citizens falling prey to phone-based fraud rings—this book demystifies core concepts through relatable narratives and step-by-step advice.

Over the following chapters, you will journey through the anatomy of common scams, learn how to spot and thwart them, and gain the confidence to navigate the digital world safely. Whether you’re a student, homemaker, small-business owner, or retiree, you’ll find clear guidance, simple checklists, and easy-to-remember “Cyber mantras” to protect yourself and your loved ones. Together, let’s embark on this mission to make every household in Bharat a stronghold of cyber resilience.

Table Of Contents

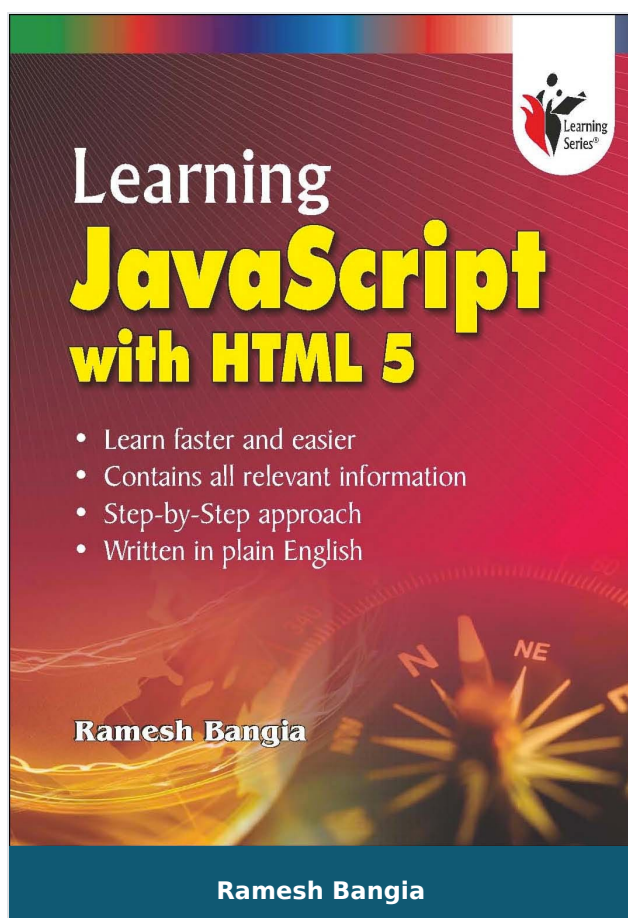
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- About the Author
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- Understanding Cyber World and Cyber Security
- Understanding Cyber Threats and Scams
- Cyber Scams-Safeguard Yourself
- Protecting Your Digital Life
- Cyber safety for Children and Teens
- Staying Safe in the Digital Age
- Appendix- Terms, Terminologies and Additional Resources
- Answer

Author

Harsh Bothra

Harsh Bothra is an offensive Cyber Security expert who has been working in this domain for about a decade. He started in this domain during high school and graduated with a computer science and engineering degree. He published the first version of his book, 'Hacking: Be a Hacker with Ethics,' in 2016 and his second book in 2019. He holds an engineering degree in Computer Science and Engineering from Amity University Rajasthan. He has worked with different organizations in various roles, such as security consultants, senior security engineers, product security engineers, and triage analysts. Harsh specializes in penetration testing and offensive security in domains such as web applications, APIs, Mobile applications, infrastructure, Cloud, and Container security. He is

deeply interested in writing and has constantly contributed to the security community through various blogs and articles. He is also a seasoned speaker and has given multiple talks at various reputed security conferences. He also ran various learning activities and challenges like Learn365, Security Explained and Security Stories.



Learning Javascript with HTML 5

Author :	Ramesh Bangia
ISBN 13 :	978-93-81068-89-2
ISBN 10 :	9381068895
E-ISBN 13 :	978-93-81068-89-2
Edition :	1
Pages :	192
Type of book :	Physical
Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
Categories :	Book Store, Learning Series, BASIC COMPUTER BOOKS
Condition Type :	New
Country Origin :	India

Product Description

The complete Learning Series has been designed in a very systematic and logical manner. Each topic has been developed from the basic concepts. Practically every major point in the text is illustrated with suitable examples and screen shots. This will help the students in understanding the basic theory and train them in solving every problem systematically, and confidently. A large number of unsolved as well as solved exercises have also been included in the book. The language of the text of the book is lucid, direct and easy-to understand. Each chapter is laced with various diagrams wherever possible. Functions has been explained in full and some of them have been explained in the form of examples. Tips for working faster using the keyboard shortcuts are also provided.

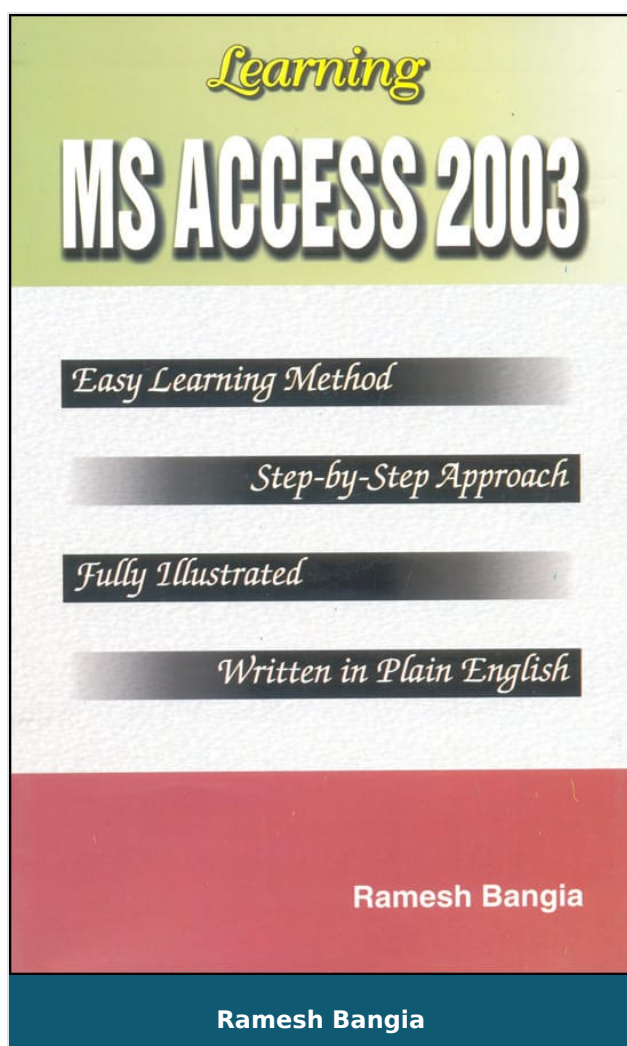
Table Of Contents

- Introduction to JavaScript
- JavaScript Functions
- JavaScript Objects
- Browser Objects
- Document Objects
- Document Object Model
- Validation, Errors, Debugging, Exception Handling and Security
- JavaScript The Beginning
- 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 East and African countries.



Learning MS Access 2003

Author :	Ramesh Bangia
ISBN 13 :	978-81-87325-53-6
ISBN 10 :	8187325534
E-ISBN 13 :	978-81-87325-53-6
Edition :	1
Pages :	192
Type of book :	Physical
Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
Categories :	Computer Books - English, Book Store, Learning Series
Condition Type :	New
Country Origin :	India

Product Description

MS ACCESS 2003

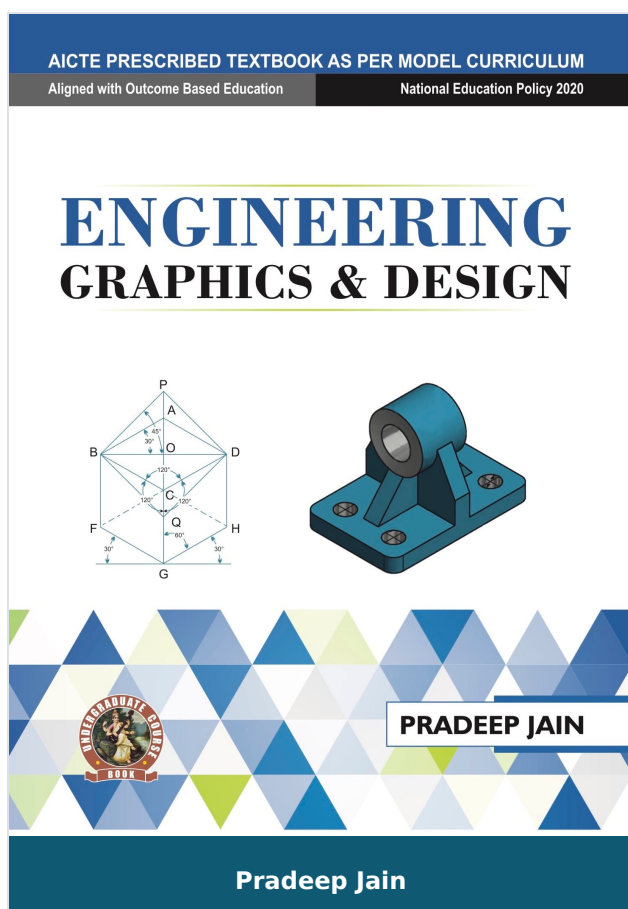
Table Of Contents

- Introduction to Microsoft Office 2003
- Introduction to Microsoft Office Access 2003
- Creating a Database using the Wizard in Access 2003
- Working with Tables in Access 2003
- Working with Forms in Access 2003
- Working with Queries in Access 2003
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- Internet and Access 2003
- Additional Commands of Access 2003
- Keyboard Shortcuts of Microsoft Office Access 2003
- 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 East and African countries.



Engineering Graphics & Design

Author :	Pradeep Jain
ISBN 13 :	978-93-91505-06-6
ISBN 10 :	9391505066
E-ISBN 13 :	978-93-91505-06-6
Edition :	First
Pages :	252
Type of book :	Physical
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, English Books, Book Store, Ebooks, APPLIED SCIENCES & HUMANITIES
Condition Type :	New
Country Origin :	India

Product Description

This textbook “Engineering Graphics and Design” is based on the latest outcome based model curriculum of the AICTE. The book covers complete syllabus catering requirements of all major technical universities and institutes and provides insights into traditional engineering graphics as well as treats of the subject using 2D and 3D design software. It offers technical details, current standard, real world examples and clearly explains theory and technique in highly visual and concise format. The topic covered in this book are arranged into 9 chapters comprising self-explanatory diagrams and solved examples.

Salient Features:

1. Introduction of Engineering Drawing.
2. Orthographic Projection.
3. Projection of Solids.
4. Section of Solids and Development of Surfaces.
5. Isometric Projection.
6. Overview of Computer Graphics.
7. CAD Drawing.
8. Solid Modelling.
9. Team Design Project.

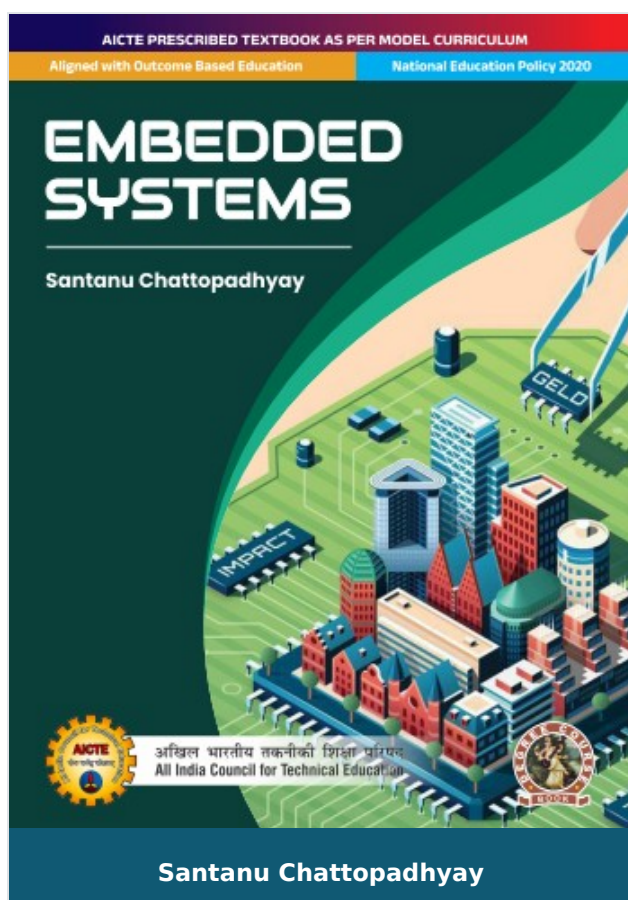
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- Outcome Based Education
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- Sectional Views of Solids
- Isometric Projection
- Overview of Computer Graphics
- Customisation & CAD
- Annotation Layers and 3D Modelling
- Projects
- Reference
- CO and Po Attainment Table
- Index.

Author

Pradeep Jain

Pradeep Jain has 15 years of experience in teaching and industry in CAD/CAM. presently he is working as an associate professor in the Department of Mechanical Engineering, Ajay Kumar Garg Engineering College, Ghaziabad. He is providing training and consultancy in CAD/ CAM field.



Embedded Systems

Author : Santanu Chattopadhyay

ISBN 13 : 978-93-55388-71-1

ISBN 10 : 9355388713

E-ISBN 13 : 978-93-55388-71-1

Edition : First

Pages : 256

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 438.00

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

Condition Type : New

Country Origin : India

Product Description

Embedded Systems

This book is designed for the course on Embedded Systems. It begins with the discussion on basics of embedded system and its features. The host processors, generally used in an embedded system design have been enumerated. In the process, the ARM processor, Digital Signal Processor, FPGA and ASIC have been introduced. Special types of interfacing standards are employed to connect devices to the processor. Non-conventional interfacing standards used in embedded systems like SPI, I2C, RS-232, USB, IrDA, CAN and Bluetooth have been discussed. ADCs and DACs are used for interacting with the analog world. Buses like PCIe and AMBA are employed for developing a complete system. For larger embedded applications, Real-Time Operating Systems (RTOS) are used to realize and schedule the processes, along with their resource requirements. The language Embedded C has become the de facto standard for realizing embedded system programs. The language has been introduced with a large number of example programs. In order to keep the cost of an embedded system less while satisfying the area, performance and power constraints, it becomes necessary to partition an embedded application into set of modules which are realized either in software or in hardware. Hardware-software co-design and co-simulation techniques are employed to achieve the same. The book gives the readers a good understanding of all these topics. A good number of examples, exercises and references act as the starting point to the domain of Embedded Systems.

Salient features:

- Covers embedded processors – ARM, DSP, FPGA, ASIC.
- Discusses special interfacing standards for embedded systems – SPI, I2C, CAN, USB, Bluetooth.

- Enumerates the essentials of RTOS and embedded programming.
- Presents hardware-software cosimulation and codesign techniques.

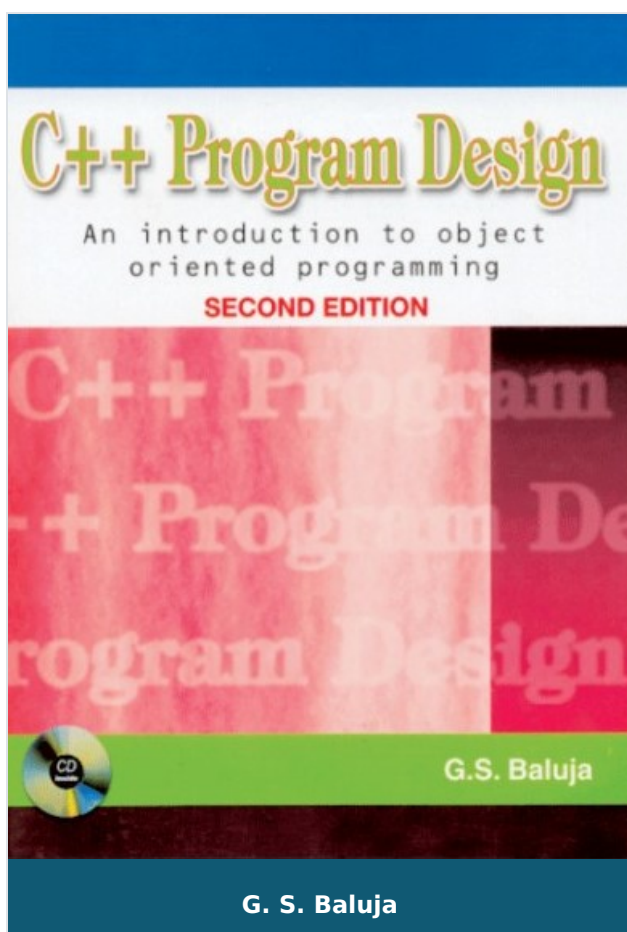
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- Interfacing
- Real-time system design
- Embedded programming
- Hardware-software codesign
- CO and PO Attainment Table
- EC – 21 Embedded Systems Laboratory
- Index

Author

Santanu Chattopadhyay

Prof. Santanu Chattopadhyay Professor, Dept. of Electronics and Electrical
Communication Engineering IIT Kharagpur, West Bengal



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

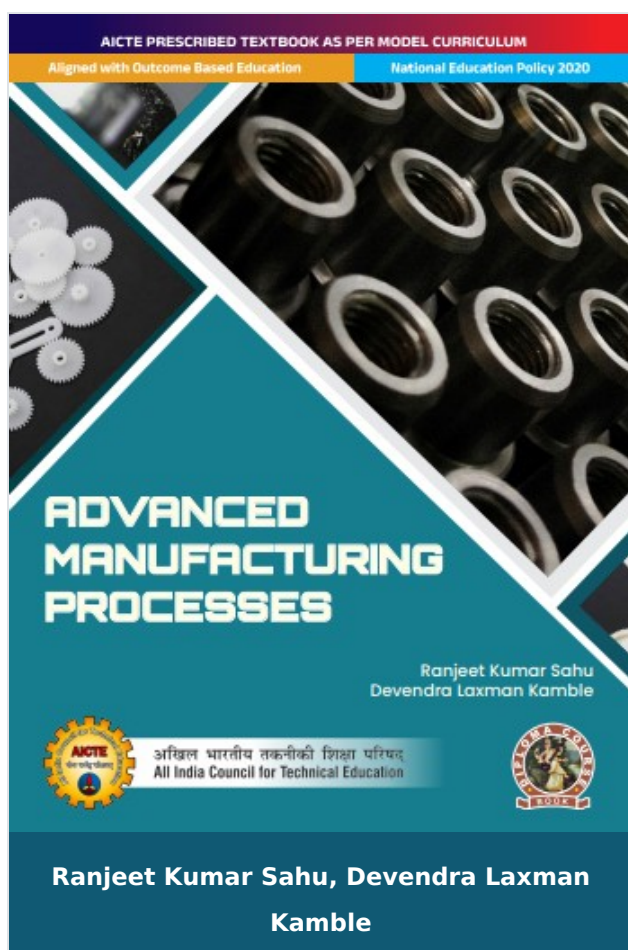
- Introduction to Computer Languages and C++ Programming
- Fundamentals of C++
- Input and Output
- Control Structures
- Functions
- Array
- Pointers
- Structures and Unions
- Object Oriented Programming- Part I
- Object Oriented Programming- Part II
- Inheritance
- Virtual Functions and Polymorphism
- 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.

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

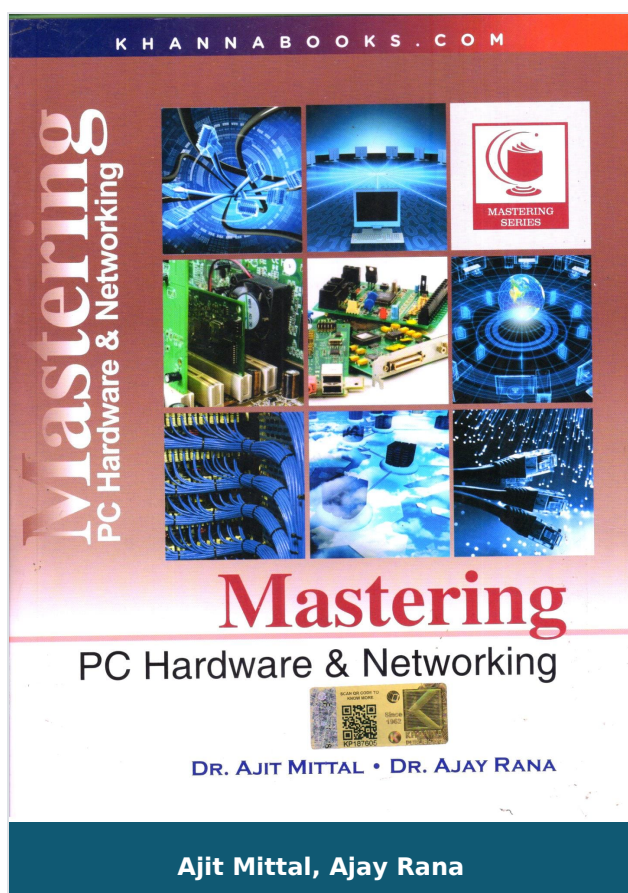
Author

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.

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- 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

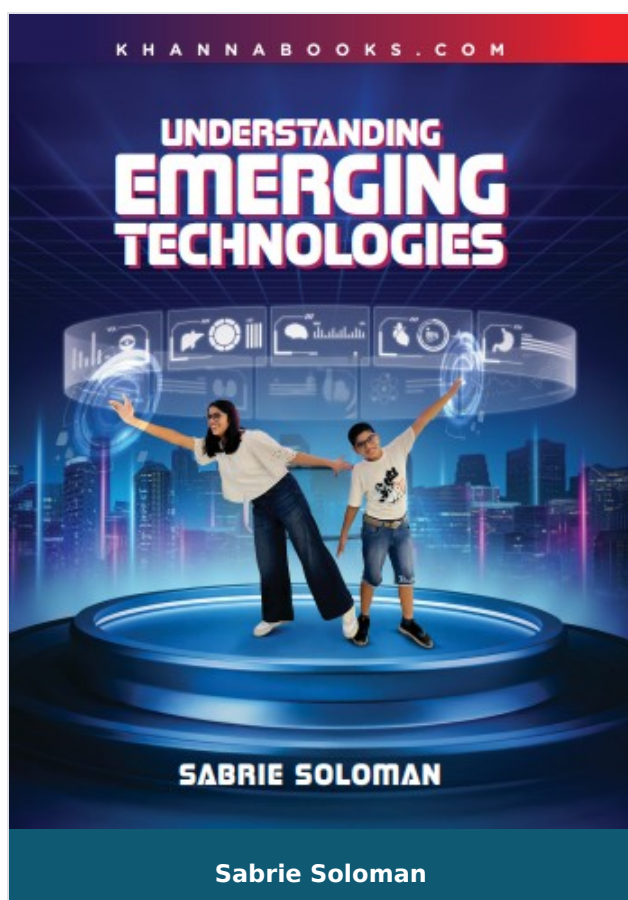
Author

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