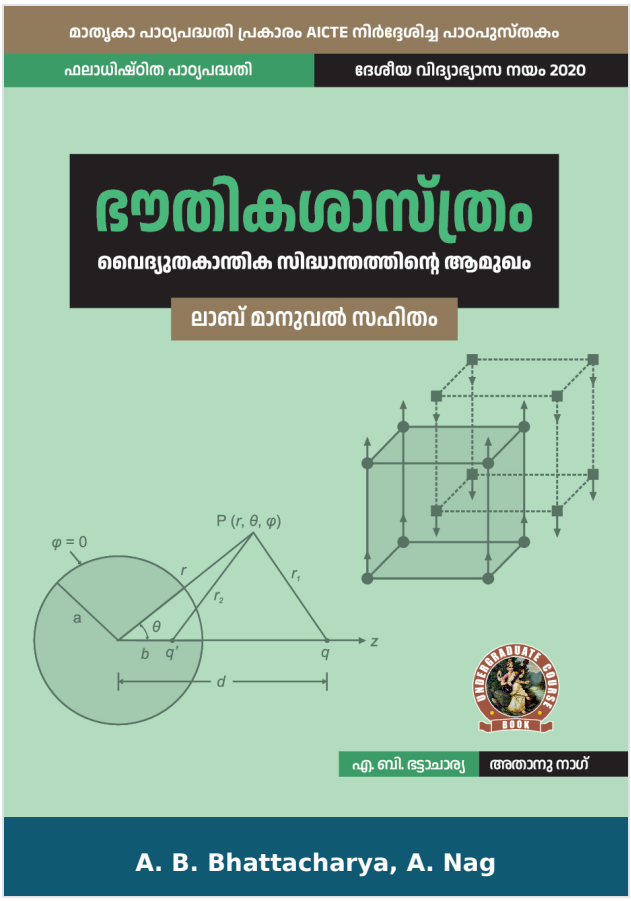


Physics - Introduction to Electromagnetic Theory (with Lab Manual)

Author :	A. B. Bhattacharya, A. Nag
ISBN 13 :	978-93-55381-55-2
ISBN 10 :	9355381557
E-ISBN 13 :	978-93-55381-55-2
Edition :	1
Pages :	384
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, Book Store, Ebooks, Malayalam Books
Condition Type :	New
Country Origin :	India

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
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Table Of Contents

- Foreword
- Acknowledgement
- Preface
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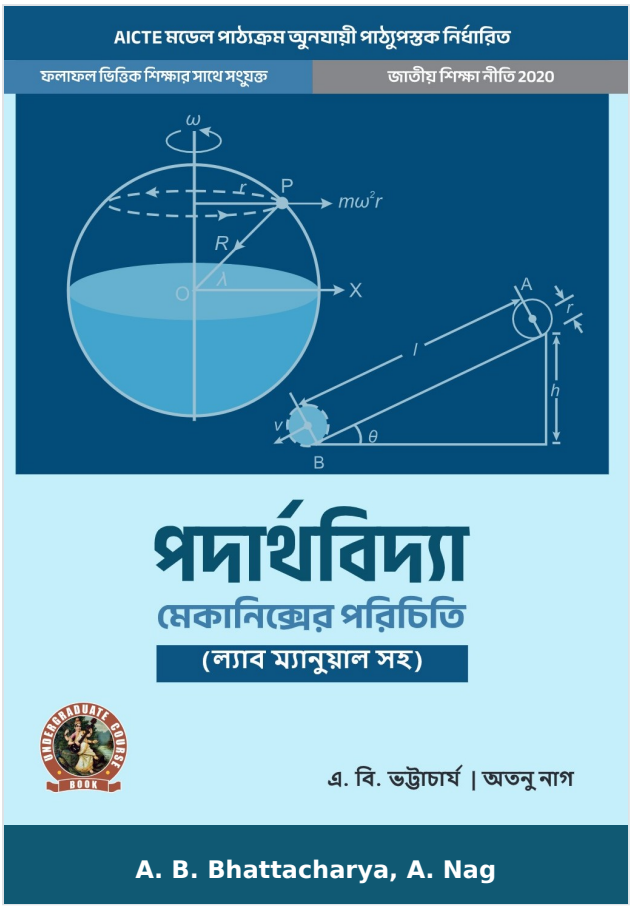
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- Foreword
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- Dynamics of Particles.
- Oscillations.
- Rotational Motion.
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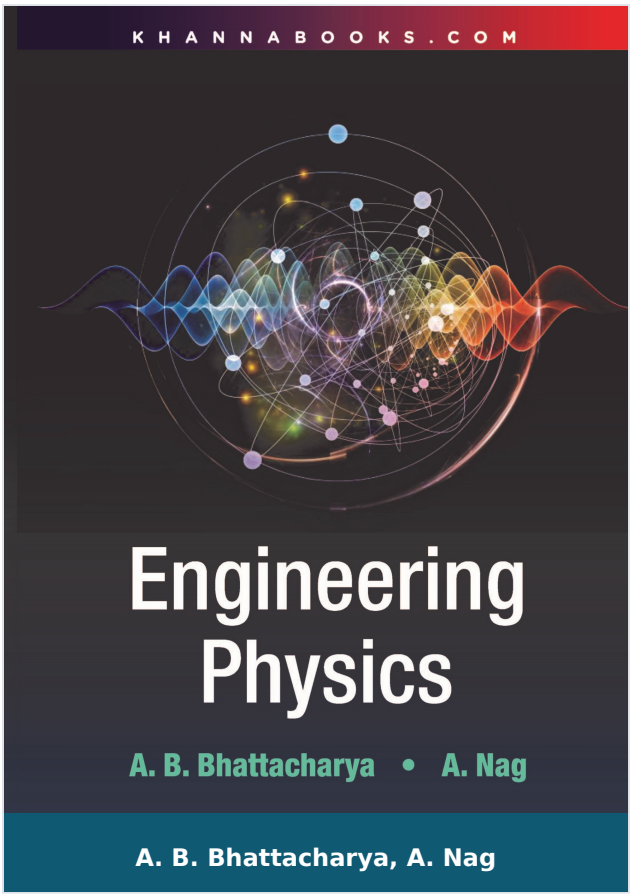
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Author :	A. B. Bhattacharya, A. Nag
ISBN 13 :	978-93-89139-07-5
ISBN 10 :	9389139074
E-ISBN 13 :	978-93-89139-07-5
Edition :	First
Pages :	686
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 695.00
Categories :	Book Store, APPPLIED SCIENCES & HUMANITIES
Condition Type :	New
Country Origin :	India

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In this book titled ‘Engineering Physics,’ the authors have given sincere efforts to explain the concepts of Physics in a very judicial way for the Engineering students of different branches so that they can acquire a reasonably good knowledge on the subject without devoting much time. In order to implement it successfully, the authors have maintained the following two features throughout:

1. Learning objectives are outlined at the beginning of each chapter followed by their item-wise presentation lucidly for a better understanding of the readers.

2. Each chapter is enriched with solved numerical problems including exercises and supplementary problems for the routine practice helpful for the examinations.

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Table Of Contents

- SECTION I: INTRODUCTORY TO MECHANICS
- Introductory Mathematical Concepts
- Newton's laws and central force Problems
- Motion of a Rigid Body
- Oscillations
- SECTION II: WAVES AND OPTICS
- Waves Motion
- Geometric Optics: The propagation of Light
- Wave Optics
- Polarization
- Chapter (: Lasers & Holography
- SECTION III: INTRODUCTION TO ELECTROMAGNETIC THEORY
- Electrostatics & Dielectrics
- Magnetostatics & Magnetic Properties
- Electromagnetic Induction &Faraday's Laws
- Maxwell's Equation & Electromagnetics Waves
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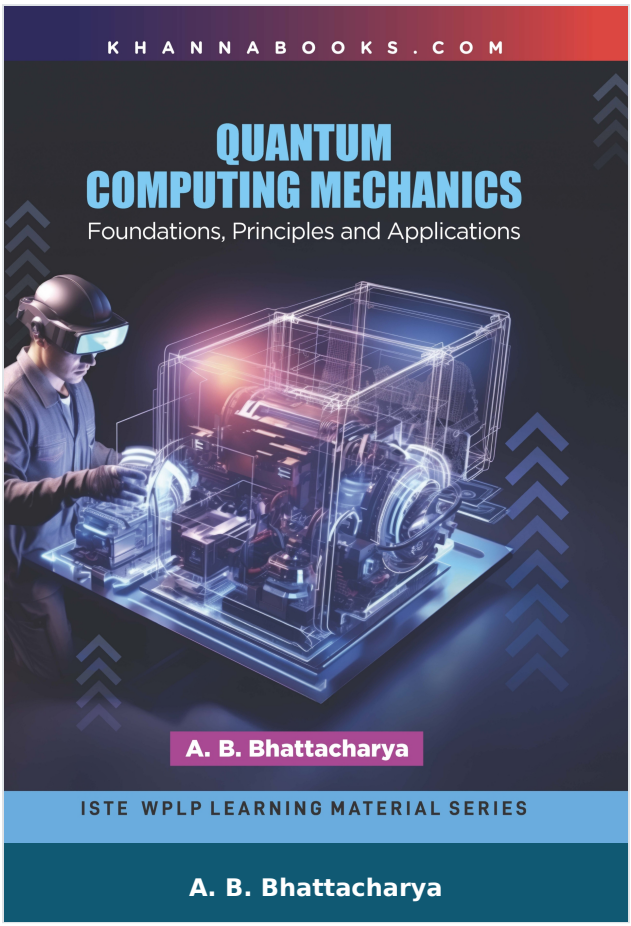
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Quantum Computing Mechanics(Foundations, Principles and Applications)

Author :	A. B. Bhattacharya
ISBN 13 :	978-93-55388-85-8
ISBN 10 :	9355388853
E-ISBN 13 :	978-93-55388-85-8
Edition :	First
Pages :	312
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 548.00
Categories :	New Arrivals, Emerging Technologies, Book Store, ISTE Series
Condition Type :	New
Country Origin :	India

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Quantum Computing Mechanics(Foundations, Principles and Applications) **Unlock the Quantum Frontier Quantum Computing Mechanics**: Foundations, Principles and Applications is a comprehensive journey into the heart of one of the 21st century's most transformative scientific revolutions. Bridging the disciplines of quantum mechanics and computational theory, this book presents a lucid and in-depth exploration of quantum computing—from its theoretical foundations to its real-world applications. **Whether you are a curious student, a passionate researcher, or an industry professional, this volume offers:**

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Table Of Contents

- Preface
- Acknowledgements
- FOUNDATIONS IN QUANTUM COMPUTING MECHANICS
- OUTLINES OF QUANTUM MECHANICS
- THE QUBIT AND QUANTUM GATES AS BUILDING BLOCKS
- QUANTUM LOGIC GATES AND CIRCUITS
- QUANTUM PARALLELISM AND INTERFERENCE
- QUANTUM ENTANGLEMENT AND NONLOCALITY
- QUANTUM ALGORITHMS
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- APPENDICES

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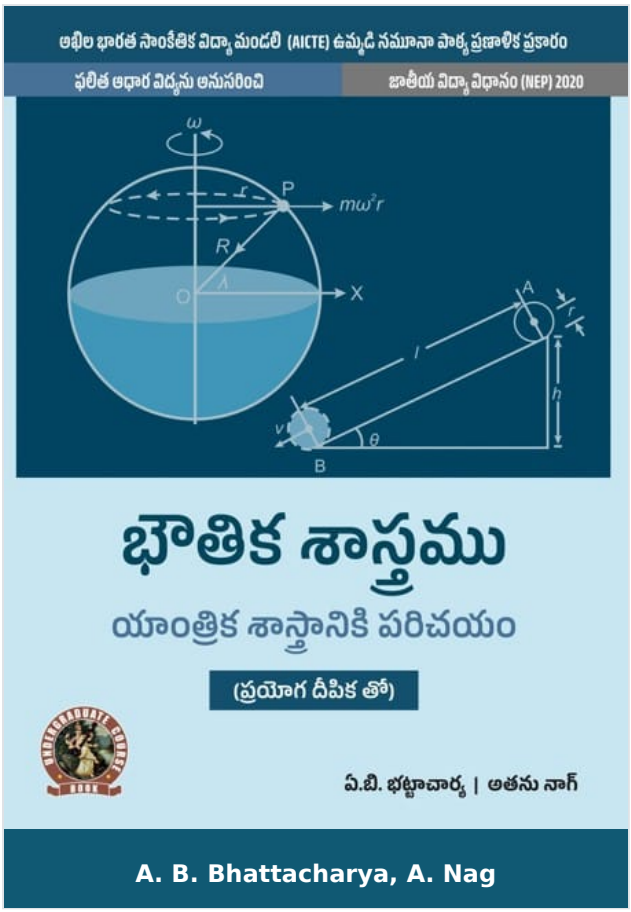
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Pages :	256
Type of book :	Physical
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, Telugu Books, Book Store, Ebooks
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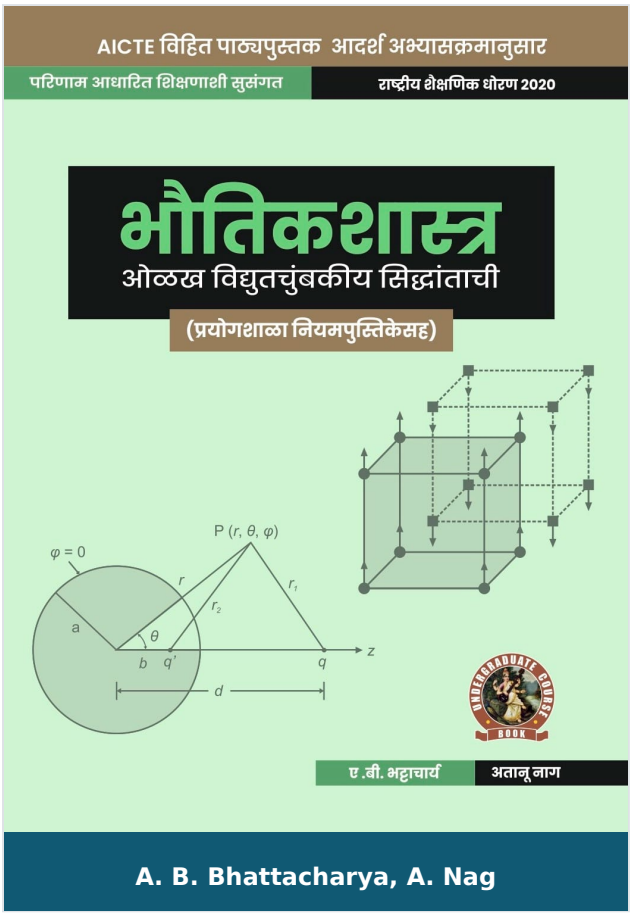
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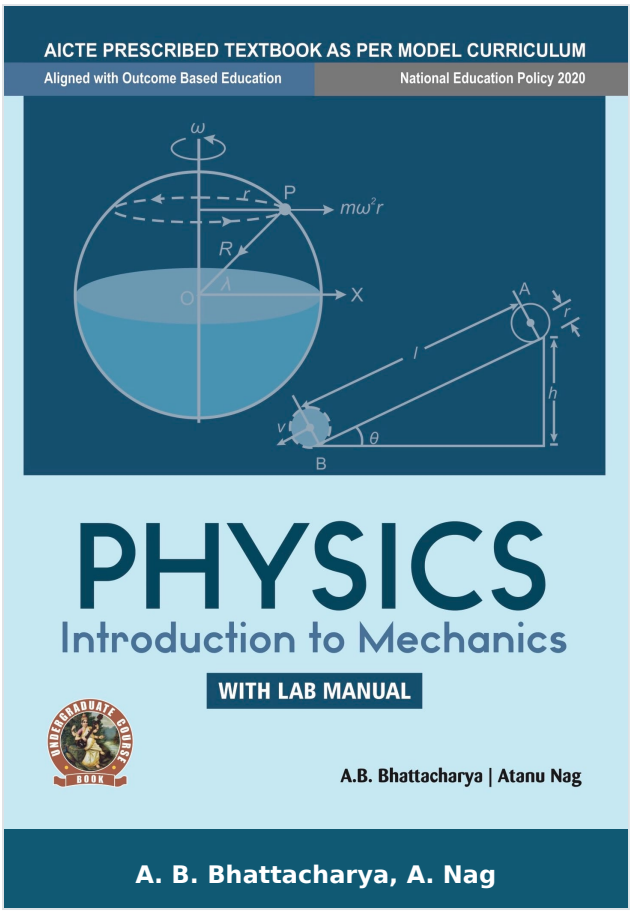
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Physics (Introduction to Mechanics) (with Lab Manual)

Author :	A. B. Bhattacharya, A. Nag
ISBN 13 :	978-93-91505-05-9
ISBN 10 :	9391505058
E-ISBN 13 :	978-93-91505-05-9
Edition :	First
Pages :	228
Type of book :	Physical
Year :	2024
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, English Books, Book Store, Ebooks, APPPLIED SCIENCES & HUMANITIES
Condition Type :	New
Country Origin :	India

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Product Description

Physics: Introduction to Mechanics has been written for the first year students of B Tech Engineering Degree Courses of all Indian Universities following the guideline and syllabus as recommended by AICTE. The book, written in a very simple and lucid way, will be very much helpful to reinforce understanding of different aspects to meet the engineering student’s needs. Writing a text-cum manual of this category poses several challenges providing enough content without sacrificing the essentials, highlighting the key features, presenting in a novel format and building informative assessment. This book on engineering physics will prepare students to apply the knowledge of Mechanics to tackle 21 century and onward engineering challenges and address the related questions.

Some Salient features of the book:

·Expose basic science to the engineering students to the fundamentals of physics and to enable them to get an insight of the subject.

·To develop knowledge on critical questions solved and supplementary problems covering all type of medium and advanced level

· Under problems in a very logical and systematic manner.

· Some essential information for the user the heading “Know more” for clarifying some basic information as well as comprehensive synopsis of formulae for a quick revision of the basic principles.

· Constructive manner of presentation so that an Engineering degree students can prepare to work in different sectors or in national laboratories at the very forefront of technology.

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Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- Guidelines for Teachers
- Guidelines for Students
- Introductory Mechanics
- Conservation Principles
- Dynamics of Particles
- Oscillations
- Rotational Motion
- Dynamics of a Right Body
- Table of Physical Constants
- Appendices
- Annexures
- References for Further learning
- CO and PO Attainment Table
- Index

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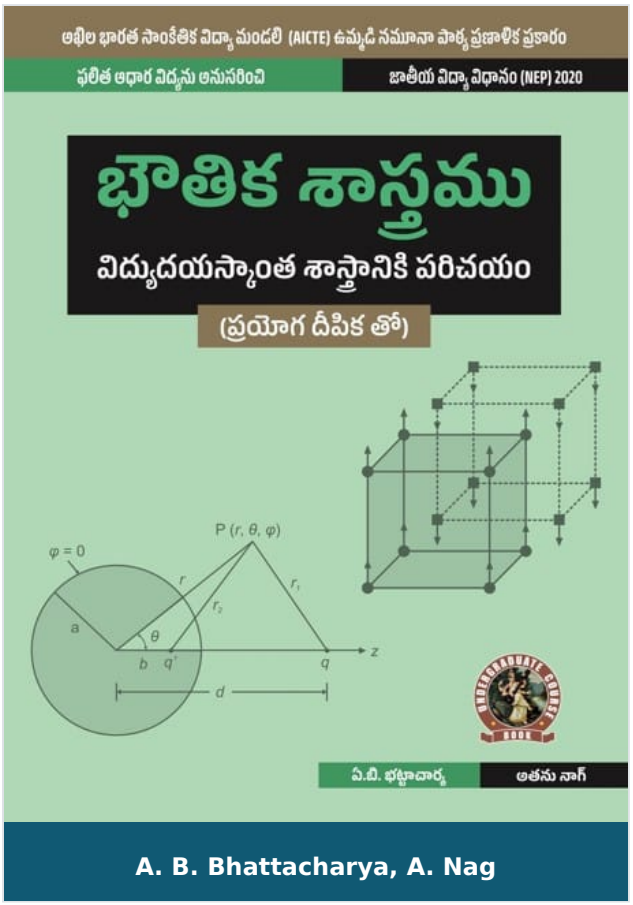
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ISBN 13 :	978-93-91505-88-2
ISBN 10 :	9391505880
E-ISBN 13 :	978-93-91505-88-2
Edition :	1
Pages :	384
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, Telugu Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

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Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- Guidelines for Teacher
- Guidelines for Students
- Electrostatics in Vacuum.
- Electrostatics in Linear Dielectric Medium.
- Magnetostatics.
- Magnetostatics in Linear Dielectric Medium.
- Faraday’s Law.
- Maxwell’s Equations.
- Electromagnetic Waves.
- Table of Physical Constants
- Appendices
- Annexures
- References for Further learning
- CO and PO attainment Table
- Index

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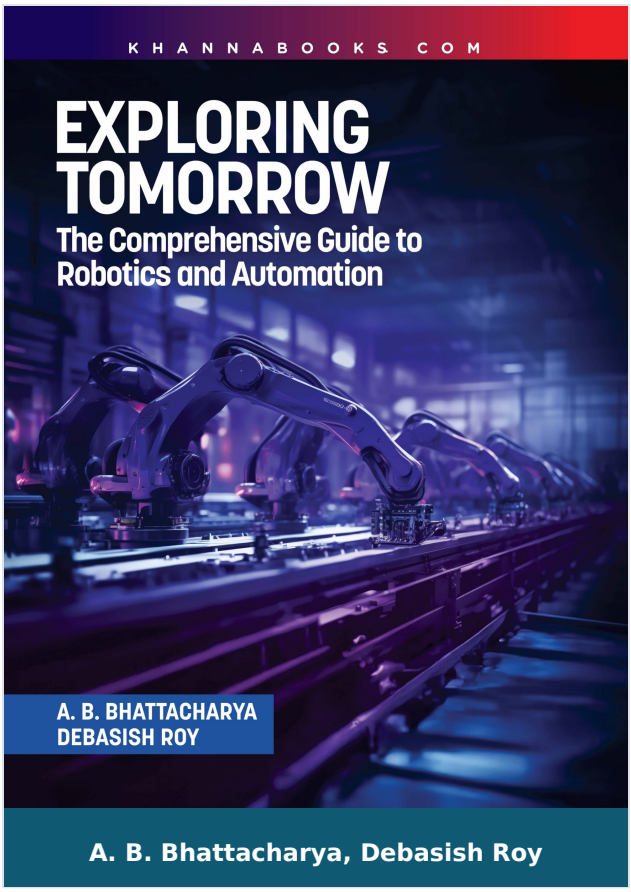
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Exploring Tomorrow (The Comprehensive Guide to Robotics and Automation)

Author :	A. B. Bhattacharya, Debasish Roy
ISBN 13 :	978-93-55387-25-7
ISBN 10 :	9355387253
E-ISBN 13 :	978-93-55387-25-7
Edition :	1
Pages :	416
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 575.00
Categories :	Emerging Technologies, Book Store
Condition Type :	New
Country Origin :	India

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Salient Features of the Book:

1. Covers industrial, service, domestic, healthcare, education, entertainment robots, and autonomous vehicles.

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4. Explores surgical robots, rehabilitation robotics, telemedicine, and their contributions to healthcare.

5. Discusses agricultural robots for tasks like planting, weeding, harvesting, and livestock management.

6. Examines educational robots like LEGO Mind storms, Ozobot, and Sphero, and their integration into curricula.

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Table Of Contents

- Various Types of Robotics.
- Human-Robot Collaboration: Ethics and Social Implications of Robotics.
- Autonomous Vehicles and Drones: Part of the broader of Robotics and AI.
- Robotics in Healthcare.
- Robotics in Agriculture.
- Robots in Education.
- Robotics in Space Exploration.
- Role of Robotics in Disaster Response.
- Biologically-Inspired Robotics.
- Robotics in Entertainment and Service Industries.
- Autonomation and the Workforce: Emerging Trends.
- Interconnected Domains of Industrial Automation and Robotics.
- Robotics and Automation Technologies used in Modern Warfare.
- Challenges in Robotics and Automation.

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Debasish Roy

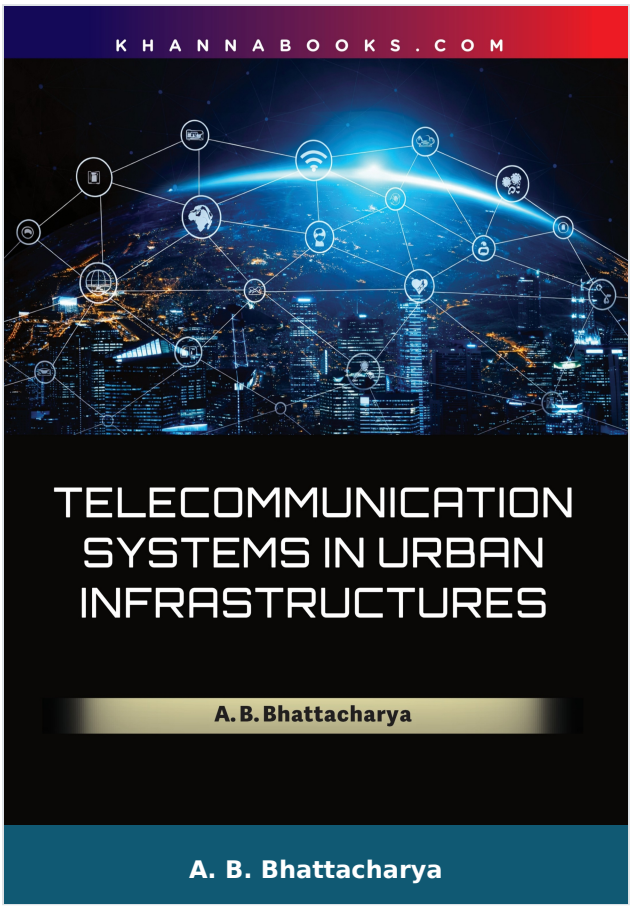
Dr. Debasish Roy is a highly accomplished and motivated professional with a robust academic background in Information Technology, including an MCA, MBA M. Tech, and PhD. He was currently the Director General(Railways) at a top-level position in the Indian Police Service (IPS). He received the Indian Police Medal and President's Police Medal in 2000 and 2010. He is well known for pioneering contributions in land mobile radio systems. He is highly recognized for spearheading strategic planning and execution of security measures for the railways network, implementing innovative technologies to enhance railway security and counteract emerging day-to-day operations efficiently. He has provided expert guidance on implementing land mobile radio system for public safety agencies and conducted groundbreaking research in cryptanalysis, leading to

development of advanced techniques for enhancing cyber security. He successfully led a team in designing and implementing secure communication protocols for land mobile radio systems, ensuring robust and encrypted communication. He has published numerous research papers in reputed conferences. He mentored and guided students at the postgraduate and doctoral levels. He has a proven track record of effective leadership and team management, besides all his strategies planning and execution in high-stakes environments. He received many honors and awards for his outstanding contributions to the field and was recognized for exceptional leadership and innovation in technology-driven security initiatives. He completed an Executive Program in Quantum Company and Machine Learning from IIT Delhi in 2023. He participated in the Workshop on Machine Learning for Cryptology (ML4Crypto 2023) at ISI, Kolkata from November 8-10, 2023, organized by SAG, DRDO. His recent paper on " Iterative Quantum Algorithm for Linear System Solving" has been accepted at the International Conference SAI, Computing, 2024 London, organized by Microsoft Corporation.

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Telecommunication Systems In Urban Infrastructures

Author :	A. B. Bhattacharya
ISBN 13 :	978-93-74542-78-1
ISBN 10 :	9374542781
E-ISBN 13 :	978-93-74542-78-1
Edition :	First
Pages :	344
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 495.00
Categories :	Electrical, Electronics & Communication Engineering, New Arrivals, Book Store
Condition Type :	New
Country Origin :	India

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Telecommunication Systems In Urban Infrastructures

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Table Of Contents

- Preface
- Acknowledgement
- Introduction to Telecommunication in Urban Infrastructure
- Fundamentals of Telecommunication Systems
- Wired Telecommunication Infrastructure in Cities
- Wireless Telecommunication Systems
- Telecommunication for Urban Mobility and Transportation
- Telecommunication in Urban Utilities and Services
- Telecommunication in Buildings and Urban Spaces
- Internet of Things (IoT) in Urban Infrastructure
- Cyber Security and Data Privacy in Urban Telecom Systems
- Planning and Deployment of Telecom Infrastructure in Cities
- Emerging Technologies In Urban Telecommunications
- Case Studies of Telecommunication in Smart Cities
- Future Trends and Challenges
- Visual Architectures and System Diagrams In Urban Telecommunication Infrastructure
- Appendix

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