

Introduction to Quantum Communication

Author :	A. B. Bhattacharya
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Product Description

Explore the unbreakable Future of Communication Welcome to a new era where communication is no longer limited by classical boundaries. "Introduction to quantum communication" is your definitive guide to understanding the intricate and revolutionary field that merges quantum physics with information technology. From the foundations of quantum mechanics to the cutting-edge protocols and technologies that power secure quantum networks, this book offers a clear, structured, and comprehensive journey through the quantum realm, whether you're a student, researcher, or tech enthusiast, you'll discover how photons, entanglement, and no-cloning theorems are reshaping the way we think about privacy, data transfer, and global connectivity. **What you'll learn inside:**

- The fundamental difference between classical and quantum communication systems
- The secrets behind quantum key distribution (BB84, E91, B92, DI-QKD)
- Practical implementations like quantum teleportation and quantum internet
- The role of entanglement, dense coding, secret sharing, and quantum bit commitment
- Security threats such as eavesdropping and their quantum countermeasures
- Future directions: satellite-based QKD, post-quantum cryptography, and ethical implications

Each Chapter Includes:

- Numerical problems with solutions
- Short questions & Answers
- Multiple choice questions
- Project ideas for deeper exploration

Bridging physics and information science, this book equips you with the knowledge to understand and participate in the communication revolution of tomorrow.

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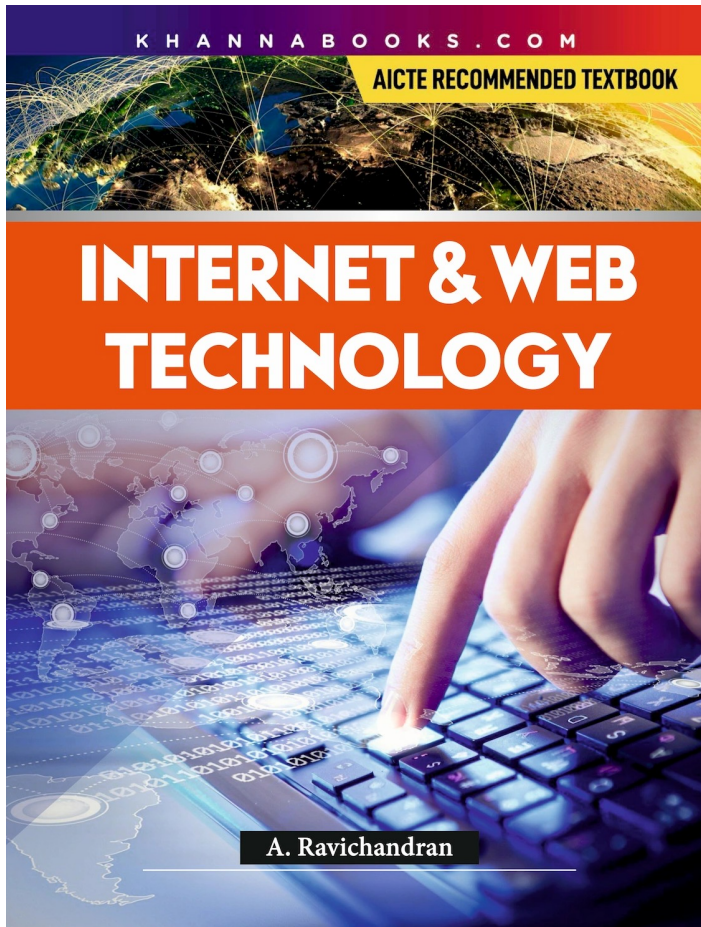
4C/4344, Ansari Road, Daryaganj, New Delhi-110002

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

Author

Prof. A. B. Bhattacharya, Pro-Vice-Chancellor of JIS University, did his M. Sc. and Ph. D. degree in Physics from the University of Calcutta. He did his Post-doc from the Massachusetts Institute of Technology, USA and subsequently joined in the Department of Physics, Kalyani University. He has published 256 Research papers in high-impact Journals and over 150 proceeding papers in conferences. He has successfully guided 24 scholars for their Ph.D. and has written a large number of invited articles in many Journals. He is the author of 29 textbooks written for engineering and science students and also for general readers from many reputed publishers like Infinity Science Press, Taylor & Francis, etc. International Institute of Success Awareness honored him with their most coveted Institutional and globally reputed "Glory of India Gold Medal" for remarkable contributions to India's national prestige. He is a Life Fellow of the Institution of Electronics and Telecommunication Engineers.





Internet and Web Technology

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Product Description

This book covers all the important aspects of the Web and the Internet, their growth, usage and abilities. Each topic has various practical examples with both text and their outputs. Most of the current topics like JavaBeans, Java Servlets, Java Enterprises, JDBC, etc., are covered in the best possible manner. Each Chapter is interlaced with screenshots wherever needed. At the end of every chapter, you would find Revision, Multiple Choice Questions and Subjective Questions. These would enable you to get a better grasp over the subject.



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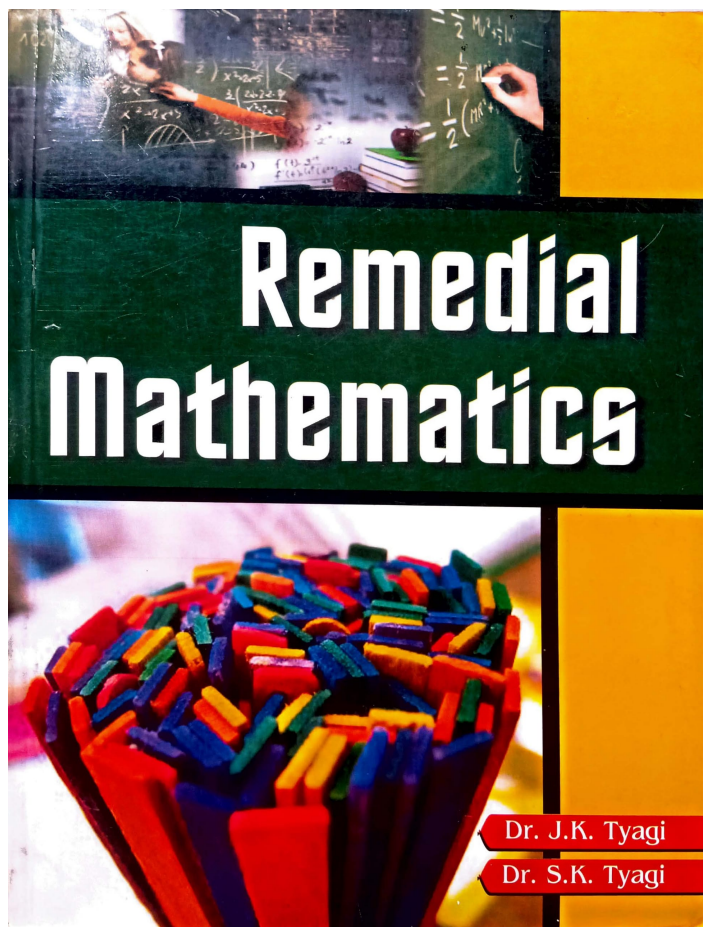
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Author

A. Ravichandran He has obtained M. Tech degree in Computer Science & Engineering from IIT. Delhi and Ph. D degree in Computer Science and Engineering from IIT Kanpur. He has been in teaching field since 1983 and now currently guiding: research work on Image processing, Computer vision and Computer Graphics. He has also published 22 technical/research papers in National and International. He is an Sun certified programmer as well as Sun certified trainer by Sun Microsystems.





Remedial Mathematics

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Product Description

KEY FEATURES: 1. The languages is very simple and easily understandable. 2. The approach is to communicate the practical aspects of mathematics in a way that drives out the common fear of learning any mathematical subject. 3. A large number of solved and unsolved problems have been included. 4. Topics are followed by figures and tables. 5. The notations and terminology have been clearly explained wherever desirable. 6. In chapter, all concepts and definitions have been discussed in detail with suitable examples.

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UNIT I: ALGEBRA. **UNIT II:** MEASURES OF CENTRAL VALUE. **UNIT III:** TRIGONOMETRY. **UNIT IV:** ANALYTICAL PLAIN GEOMETRY. **UNIT V:** CALCULUS.



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

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

Authors

Dr. J.K. Tyagi is Professor and head department of Applied Science, Maharaja Agrasen Institute of Technology Ghaziabad (U.P.). **Dr. S.K. Tyagi** is Senior Lecturer, Amity School of Engineering and Technology , Amity University, Noida (U.P.).

