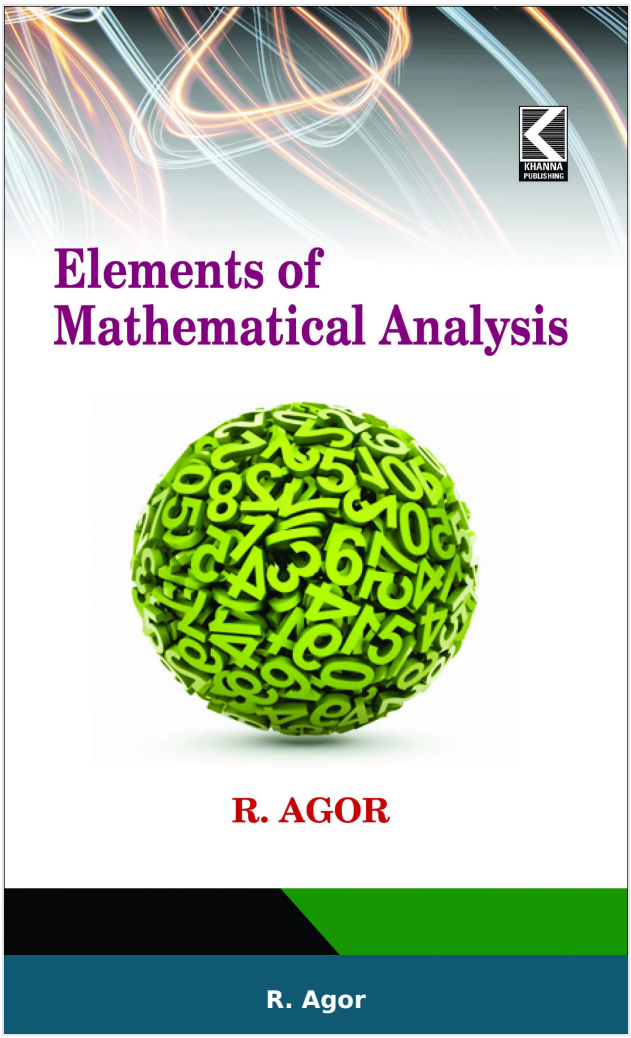



# Elements of Mathematical Analysis

| | |
|---|---|
| **Author :** | R. Agor |
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| **E-ISBN 13 :** | 978-93-82609-59-9 |
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## Product Description

This book is intended to serve as a basic text book for the students who attempt to pursue studies at various stages in Scientific and Engineering fields of various Indian Universities. The main aim of this book is to discuss the theory of mathematical analysis and to treat the subject matter rigorously to the beginners, keeping in view of the modern trends of examinations.

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## Table Of Contents


- Number System
- Determinants
- Matrices
- Eigen Values and Eigen Vectors
- Numerical Analysis
- Linear Programming


## Author

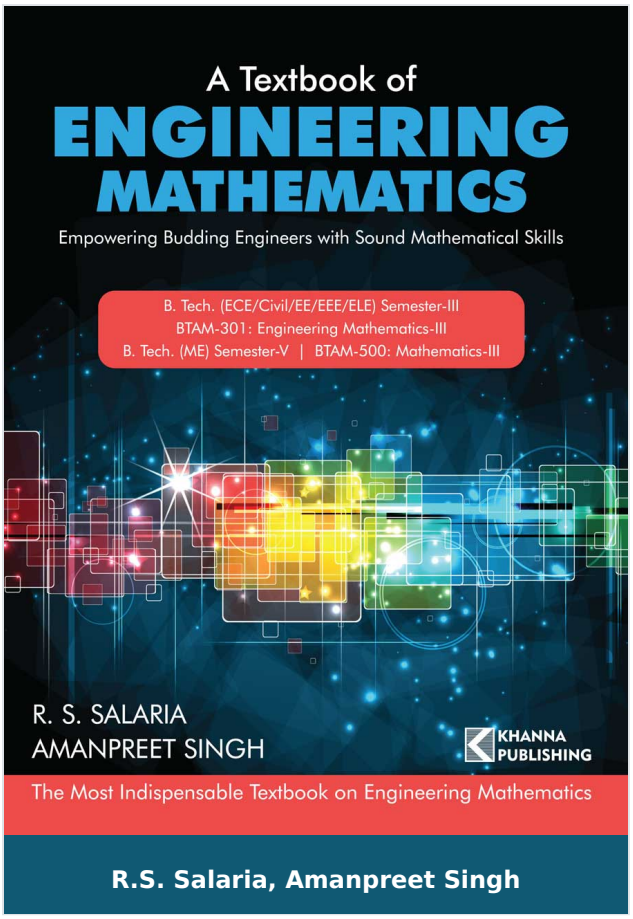
**R. Agor**

R. Agor Lecturer in Civil Engineering (Retd.) Technical Education, Delhi.

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# A Textbook of Engineering Mathematics-III (ECE/Civil/EE/EEE/ELE)

| | |
|---|---|
| **Author :** | R.S. Salaria, Amanpreet Singh |
| **ISBN 13 :** | 978-93-82609-89-6 |
| **ISBN 10 :** | 93-82609-89-X |
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The Subject of Engineering Mathematics is an integral part of the course curriculum of Bachelor of Engineering/Technology (B.E./B.Tech) program of all Indian Universities, and is taught in firs and/or second semester(s). The present state of teaching and learning of Mathematics is not that encouraging. A lot has to be done on both the fronts.

The book in your hand is another step of our commitment to uplift the standard of teaching and learning of Mathematics. We assure you that in our continuous journey in this endeavor and with your whole hearted support, we hope to make significant contribution in the teaching and learning of Mathematics. We hope to see that day when we hear from our students that Mathematics is wonderful subject and your all are relishing it. This book is designed to serve as a textbook for the students of B.Tech. (ECE/Civil/EE/EEE/ELE)Semester-III and B.Tech.

(ME) Semester-V of Punjab Technical University, Jalandhar

While writing, due care is taken to present the subject matter in a simple and illustrative manner so that a reader can grasp it with quite ease and can built bad=sic and conceptual knowledge in the subject.

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- Useful Formulae, Theorems and Results
- Fourier Series
- Laplace Transformations
- Special Functions
- Partial Differential Equations
- Applications of Partial Differential Equations
- Functions of Complex Variables


## Author


**R.S. Salaria**

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p

**Amanpreet Singh**

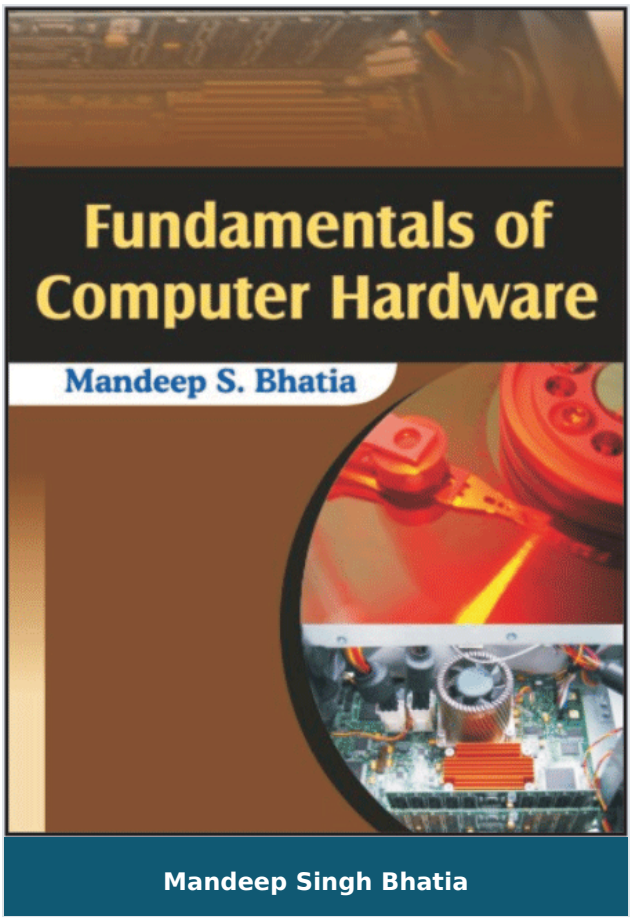
Amanpreet Singh Amanpreet Singh SGTB Khalsha College, Anandpur Sahib, Formerly with Rayat-Bahra Institute of Engineering& Nano Technology, Hoshiarpur.



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Mandeep Singh Bhatia

# Fundamentals of Computer Hardware

| | |
|---|---|
| **Author :** | Mandeep Singh Bhatia |
| **ISBN 13 :** | 978-81-87325-68-0 |
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This book written in simple language. You can get technical training regarding assembling, disassembling, maintenance, troubleshooting and upgrading PC's with the help of this book. This book covers everything from introduction of computer hardware to the advanced repairing techniques. You can learn regarding preventive maintenance of PC, which is a necessary part of every PC, because it insures that a PC operates for longer time periods and it involves fixing problems before they occur. The idea given behind preventive maintenance is to set aside some time to routinely open the computer, inspect it, clean it, and fix any items that may need attention.

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- Peripheral Devices
- Modems
- Adapter Cards
- The PC Buses
- Basic Input/ Output System (BIOS)
- Buying a Computer
- Appendix A : Glossary of Terms
- Beep Codes


## Author

**Mandeep Singh Bhatia**

Mr. Mandeep Singh Bhatia is presently working as Lecturer in Department of Computer Science & IT, Lyallpur Khansa College, Jalandhar. He is Master in Information Technology

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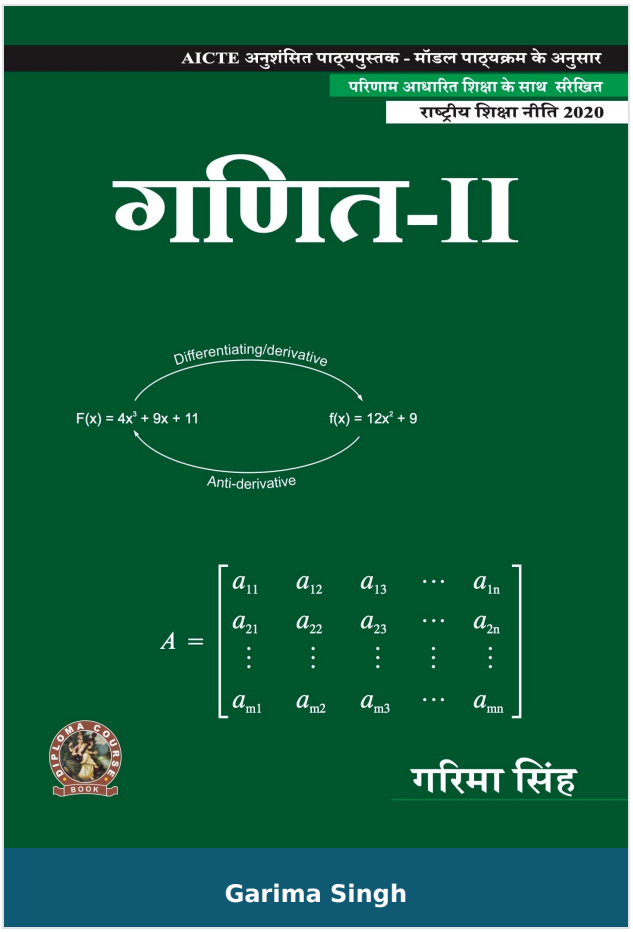
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and has appropriate knowledge of Computer Software and Hardware. He is proficient in applying Data Mining Techniques in various fields. His subjects of interest are Data Warehousing, Data Mining, Computer Networks and Computer Hardware. His total teaching experience is of 5 years. He has written one research paper which has been published in the proceedings of international conference held at Austria. Other books by authore are: "Fundamentals of Computer Hardware" and "A Beginner's Guide to Visual Bsaic 6".

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# Mathematics II

| | |
|---|---|
| **Author :** | Garima Singh |
| **ISBN 13 :** | 978-93-55381-91-0 |
| **ISBN 10 :** | 93-55381-91-3 |
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## Product Description

“Mathematics-ll” is a Compulsory paper for the first year students of Diploma engineering courses (common to all branches). Syllabus of this book is strictly aligned to the model curriculum of AICTE. And academic content is amalgamated with the concept of outcome based education. Apart from diploma it is useful for all students who are interested in basic /elementary mathematics and competitive examinations.

Book covers seven topics- Determinants, Matrices, Integral Calculus and it’s applications. Co-ordinate Geometry and it’s applications, vectors and it’s applications, Differential equations. Basic of MATLAB.

Each topic is written in an easy and lucid manner with a holistic view. There has been deliberated attempt to keep the number of pages in the book minimum without compromising with the matter. Every chapter contains a set of exercises at the end of each unit to test the student’s comprehension.

Some salient features of the book:

1. For direct recapitulation of main concepts, formulae and results a brief summary of each unit has been given.

2. Objective questions and subjective questions are given for practice of students after every unit.

3. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and uni Outcomes.

4. Apart from the theory explanation and solved examples book provides for mini projects, activities, fun facts, QR codes, case studies, video resources etc.

5. The text has been supplemented with notes, remarks, remember sections within grey boxes.

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6. Student and teacher centric subject materials are included in the book in a balanced manner.

7. Real life applications are inserted to improve clarity of this topics.

8. Know more section has been introduced which constitutes of additional information related to the topic.

9. Check-out section has been introduced so as to active the curiosity part of the student by correlating all the topics studied in this book with MATLAB.

10. At the end of each unit. An excerpt related to eminent Indian Mathematicians is given so as to make .

11. Student have a glimpse of the rich Indian heritage, especially in the field of mathematics.

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- Vector Algebra
- Differential Equations
- Appendices & Annexures


## Author


**Garima Singh**

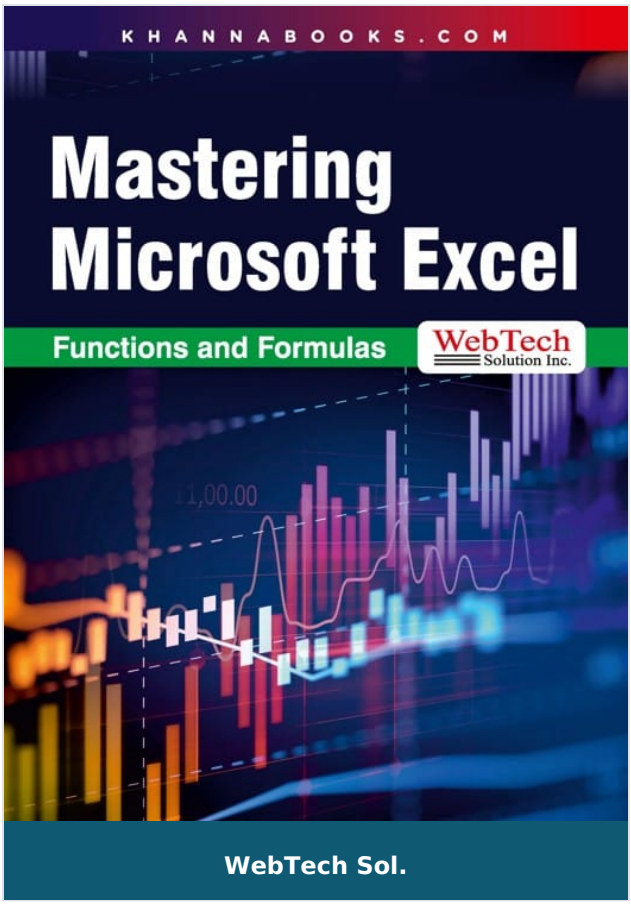
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# Mastering Microsoft Excel Functions and Formulas

| | |
|---|---|
| **Author :** | WebTech Sol. |
| **ISBN 13 :** | 978-93-80016-56-6 |
| **ISBN 10 :** | 93-80016-56-5 |
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- Spreadsheet Basics
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- Math and Trigonometric Functions in Excel
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## Author

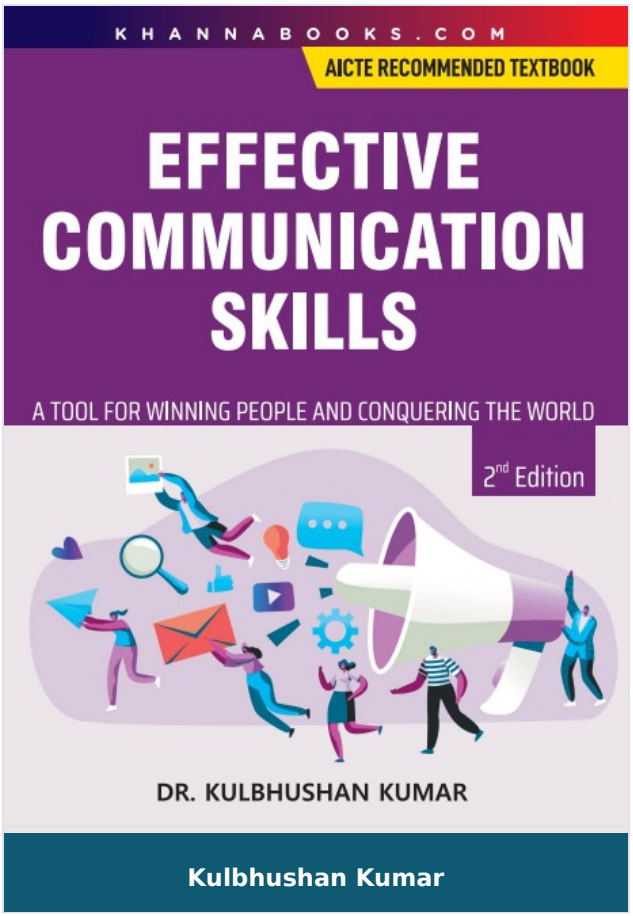
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# Effective Communication Skills | AICTE Recommended

| | |
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| **Author :** | Kulbhushan Kumar |
| **ISBN 13 :** | 978-93-55387-93-6 |
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## Product Description

**Effective Communication Skills | AICTE Recommended**

This is a comprehensive guide to mastering the indispensable art of communication. The book explores the vast importance of English, offering a practical, holistic approach to various aspects of business communication. Divided into sixteen chapters, including a new one on linguistics, it covers everything from the fundamentals of Listening, Speaking, Reading, and Writing (LSRW) to advanced topics.

Readers will find actionable strategies for impactful oral presentations, professional guidance for business correspondence like emails, reports and templates for standout resume. The book also hones skills essential for group discussions, meetings and interviews, ensuring readers can articulate their ideas with confidence.

This book is envisioned as a textbook for BBA, BCA, MBA, MCA, Engineering and for various other academic courses to meet the growing academic and professional needs of learners from diverse streams. Whether preparing for job interviews, internships, group discussions, or leadership roles, students will find in these pages the guidance they need to communicate with clarity, confidence and impact.

With a strong foundation in grammar and a simple, accessible language, the book includes real-world examples, case studies and practical exercises. It follows and Outcome Based Education approach, empowering students with the language and life skills needed to succeed in academic and professional landscapes. This book is a timely and thoughtfully curated resource for success in the 21st century.

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- Business Correspondence Planning A Business Letter
- Business Correspondence Reports, Tenders, Orders, Proposals, Memorandums, Notices, Circulars.
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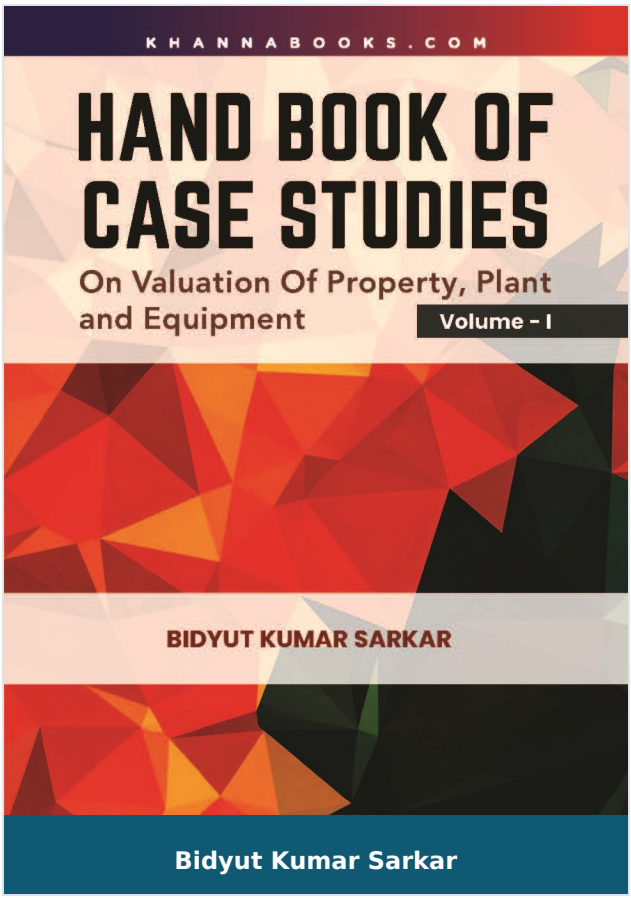
**Kulbhushan Kumar**

Kulbhushan Kumar Former Head, Department of English and Communication Studies and Former Chief Editor and Coordinator. EU Voice University Magazine, Eternal University, Baru Sahib ( Himachal Pradesh ).

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# Handbook Of Case Studies (On Valuation of Property, Plant and Equipment), Volume-1

| | |
|---|---|
| **Author :** | Bidyut Kumar Sarkar |
| **ISBN 13 :** | 978-93-74546-89-5 |
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## Product Description

**Handbook Of Case Studies (On Valuation of Property, Plant and Equipment), (Volume - I)**

“Hand book of Case Studies: On Valuation of Property, Plant, and Equipment (Volume - I)” offers a comprehensive and practical guide for students and professional aiming to develop Expertise in valuation report writing within the field of PPE. Drawing on real-world examples and detailed case studies, the book effectively bridges the gap between valuation theory and practical application, making it an essential resource for aspiring and practicing valuers. Valuation is a critical skill across many industries, yet the practical of report writing are often underrepresented in traditional education.

This book addresses that gap by providing structured guidance of preparing accurate and reliable valuation reports. It covers key areas such as data collection, analysis of market conditions, methodologies, and adherence to professional standards, with a strong focus on mortgage valuation scenarios. Through its case studies, the book demonstrates how professional judgement, supported by technical knowledge, leads to objective and defensible valuations.

The book also emphasizes the importance of understanding the context of valuation, including the expectations of investors, property owners, and businesses, as well as evolving market conditions. It highlights the role of the valuer as an intermediary who connects clients with market realities and provides insights that support informed financial decision-making. Written in a clear and accessible style, Hand book of Case Studies: On Valuation of Property, Plant, and Equipment serves both as a learning tool and a reference guide, and is highly recommended for students of Management, Valuation, and related disciplines, as well as professionals seeking to enhance their skills in property and asset valuation.

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- Revaluation of Fixed Assets: - Army Walfare Project Ltd (AWPL). Samtse Distillery, Samtse, Bhutan
- Revaluation of Fixed Assets: - Army Walfare Project Ltd (AWPL), Samdrup Jongkhar BWH, Samdrup Jongkhar, Bhutan
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## Author

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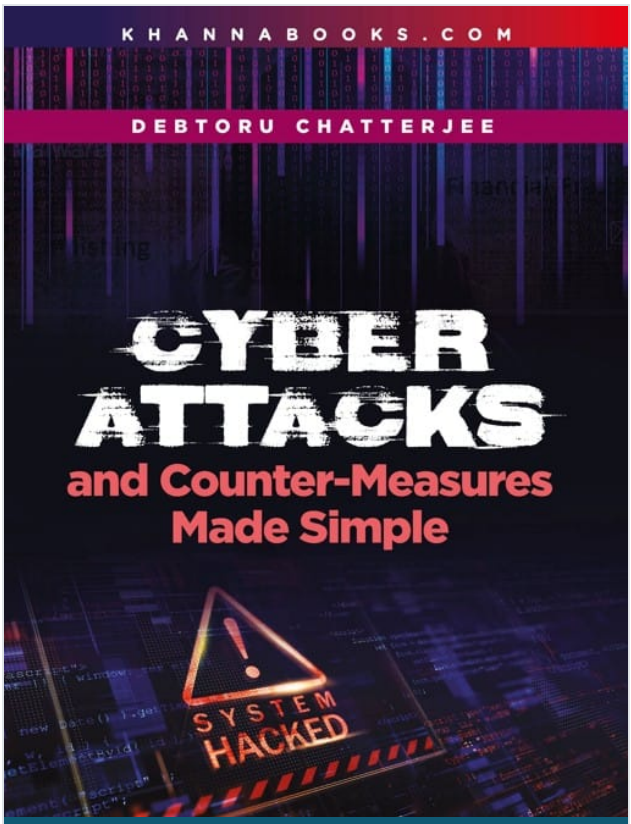
Bidyut Kumar Sarkar , is a former Scientific Offers/Engineering of the Department of Atomic Energy, Govt of India, Mumbai. He is a Chartered Engineer & a Fellow of the Institution of Engineering (India), Institution of Valuers (India), a Member of American Society of Appraisers (USA), A Regd Valuer under section 34 AB of the income tax & Wealth Tax Act 1957, Govt of India. He has been serving last 40 years as a consultant to Govt/Semi Govt/PSU/Corporate clients Spread over India, Bhutan, Nepal, and beyond which enables him to have a large tapestry of In-depth experience of valuation of tangible & intangible assets involving diverse industries viz, large and medium Hydropower plants, steel plants, steel plants, ferro Silicon and Ferro alloys plants, Ferro Silicon Magnesium plants, Mines & mineral industries. Cement, Chemical & Other Continuous Process Industries, Distilleries, Cigarette manufacturing and Readymade textile plants, wood Based Industries, Rigid PVC Pipes & Films manufacturing plants, food & Milk Processing industries, Real Properties, Five-star hotel (le’ Meridien, Thimphu), Tea processing plants

& plantation, large automatic particle board and gyp board plants, large residential complexes etc. and boundless creativity by navigating vibrant terrain and cultural nuances of people and places, real and surreal. He did publish a paper on Nuclear Instrumentation & process Control at a National Seminar Organized by BARC, Trombay, Mumbai and a number of books of poems in English.

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Debtoru Chatterjee

# Cyber Attacks and Counter-Measures Made Simple


| | |
|---|---|
| **Author :** | Debtoru Chatterjee |
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## Product Description

This book provides the readers the following insights into how:

1. Websites are hacked by exploiting command injection, file inclusion, file upload and other vulnerabilities.

2. Databases are compromised by basic and advanced SQL injection.

3. Browser clients are targeted by Cross-Site Scripting attacks.

4. Linux computers are breached by exploiting their vulnerabilities without recourse to social-engineering.

5. Forensic tools can be used to detect malicious intrusions in to systems.

6. Data in transit can be safeguarded by cryptographic and other mechanisms.

7. And cyber security tools that can be deployed against the above described cyber-attacks.

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## Table Of Contents


- Website Attacks
- Breaking into Linux Computers
- File Inclusion Web Attacks
- File Upload Web Attacks
- Hacking the Database
- Targeting the Browser
- Forensics for Defense
- Protecting Data in Transit
- Cyber Preparedness


## Author

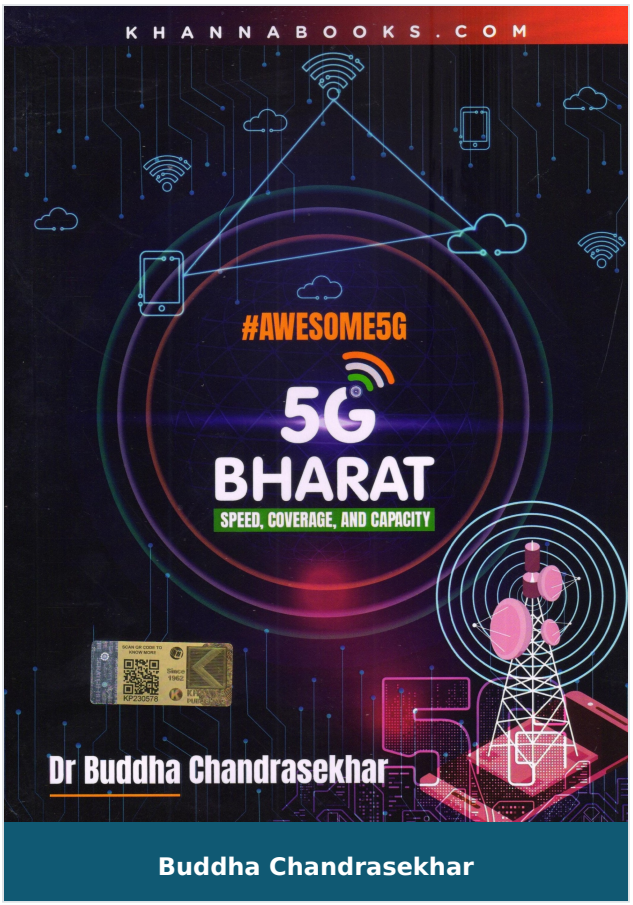
**Debtoru Chatterjee**

Debtoru Chatterjee, an Indian Postal Service Officer (1994 batch), has served 11 years in a central police organization, including as an Inspector General, besides a five-year stint as an army Colonel. An honor graduate from Presidency College Calcutta, he holds and M.Sc. (Distinction) in Cyber Forensics and Information Security from the University of Madras; an MBA (IT Systems) (Distinction) from ICFAI; and a Master in Business Laws from National Law School, Bangalore. A keen student of Kali Linux and Python, he has also authored a companion book "Cyber-Crime and its Prevention in Easy Steps".

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Buddha Chandrasekhar

# #Awesome5G- 5G Bharat

| | |
|---|---|
| **Author :** | Buddha Chandrasekhar |
| **ISBN 13 :** | 978-93-55382-89-4 |
| **ISBN 10 :** | 93-55382-89-8 |
| **E-ISBN 13 :** | 978-93-55382-89-4 |
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| **Condition Type :** | New |
| **Country Origin :** | India |

## Product Description

#Awesome5G- 5G Bharat Speed, Cover, and Capacity. Experience the potential of 5g to revolutionize education, skill development, and job creation while empowering farmers, healthcare, Railways, BFSI and promoting social inclusion. Discover the transformative power of 5G in reshaping India’s economic landscape and empowering its diverse communities.

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## Table Of Contents


- Awesome 5G- Bharat and 5G
- Economic Impacts of 5G in Bharat
- 5G to Revolutionize Education and Learning in Bharat
- The potential for 5G to drive skill Development in Bharat
- Skilling Bharat Youth Using 5G
- 5G and innovation in Bharat
- 5G and One District one Product
- Millions of job Creation in Bharat Using 5G Technologies
- How 5G ca Empower Farmers, Women Self-help Groups In Bharat
- How 5G Can Empower Cooperative Sector and Cooperative Societies in Bharat
- Social Inclusion Using 5G
- How 5G can Empower healthcare Services in Bharat
- How 5G can Empower Bharat Railways
- How 5G Can Empower Banking, Financial Services and Insurance.


## Author


**Buddha Chandrasekhar**

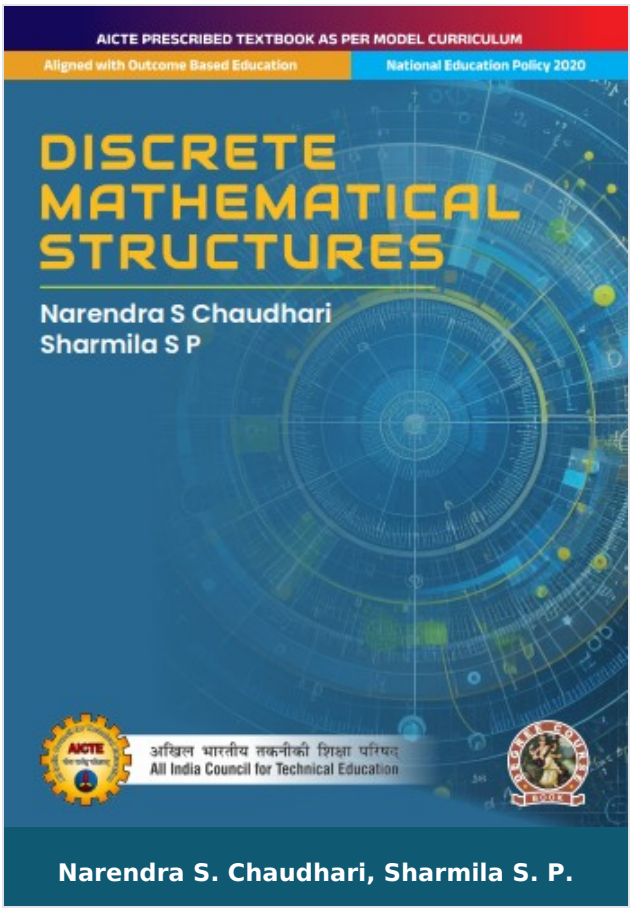
Dr. Buddha Chandrasekhar



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# Discrete Mathematical Structures

| | |
|---|---|
| **Author :** | Narendra S. Chaudhari, Sharmila S. P. |
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## Product Description

### Discrete Mathematical Structures

Discrete Mathematical Structures is a fundamental subject for engineering students of Computer Science and Information Technology domain, to provide a foundation for logical and analytical thinking. The primary target is on application of discrete structures on emerging technology in CSE by solving engineering problems in professional life. Supplementary information provided to ignite the young minds and motivate in a systematic way.

Salient features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit 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 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.

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- Discrete Probability
- References and Suggested Readings
- Dynamic QR Code for Further Reading
- CO-PO Attainment Table
- Index


## Author

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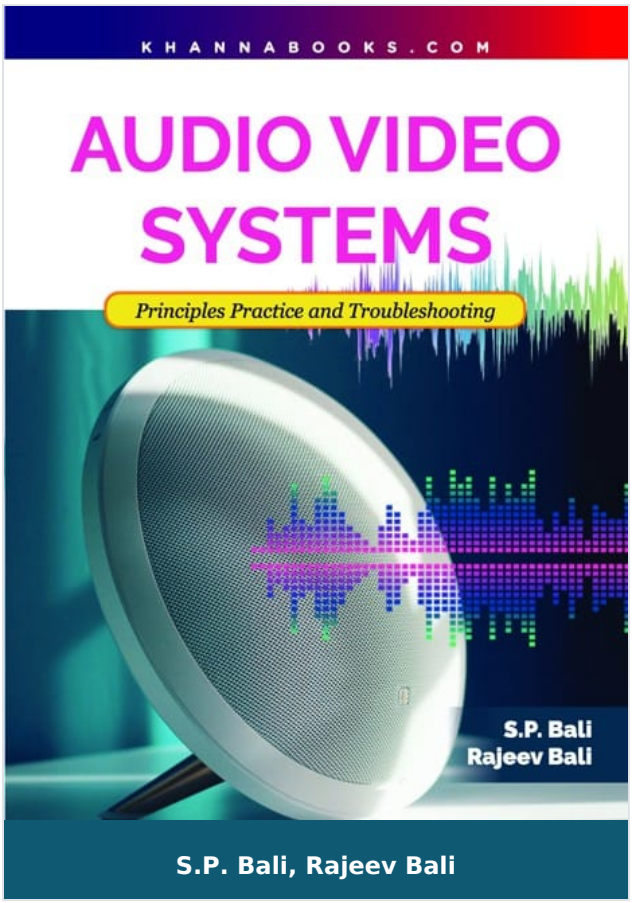
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S.P. Bali, Rajeev Bali

# Audio Video Systems


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|---|---|
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## Product Description

Comprehensive coverage of audio systems. Illustrated method of treatment-Illustration intended to bring home an idea and to be build understanding step by step. Operation, tuning and setting up procedures of components are explained in detail. Ample conventional questions, objective type and fill in the blanks are included. confirms to syllabus of various universities.

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- Wave Motion
- Vibrations of Strings and Columns
- Hearing
- Speech Music and Noise
- Microphones
- Headphones
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- Speakers Baffles and Enclosures
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- Acoustics
- Dise Recording and Reproduction
- Sources of Distortion in Disc Equipment
- Magnetic Recording and Reproductions
- Sources of Distortion in Tape Equipment
- Amplifying Systems
- Noise Reduction Systems
- Recorder/Amplifier Circuits
- Electronic Music Synthesizers
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- Monochrome and Colour Television Controls
- Video Tape Recording and Reproduction
- Video Disc Recording and Playback
- Theatre Sound System
- Video Systems
- The Philosophy of Troubleshooting
- Preventive Maintenaqnce
- Acoustical Measurements
- Performance Tests
- Troubleshooting Procedures
- Index

## Author

**S.P. Bali**

S.P. Bali Surinder Pal Bali has a long association, of over four decades with the field of electronics. He has worked in different capacities as a technician (repairing radio and line equipment) as an inspector (carrying out "in inspection and out inspection" of radio and line equipment) and as a lecturer (teaching diploma course in MCEME, Secunderabad). He is a Professional trainer and has been conductiong job oriented courses on "audio video" appliances. As a free lance technical journalist he has contributed articles to technical journals and authored about ten books.

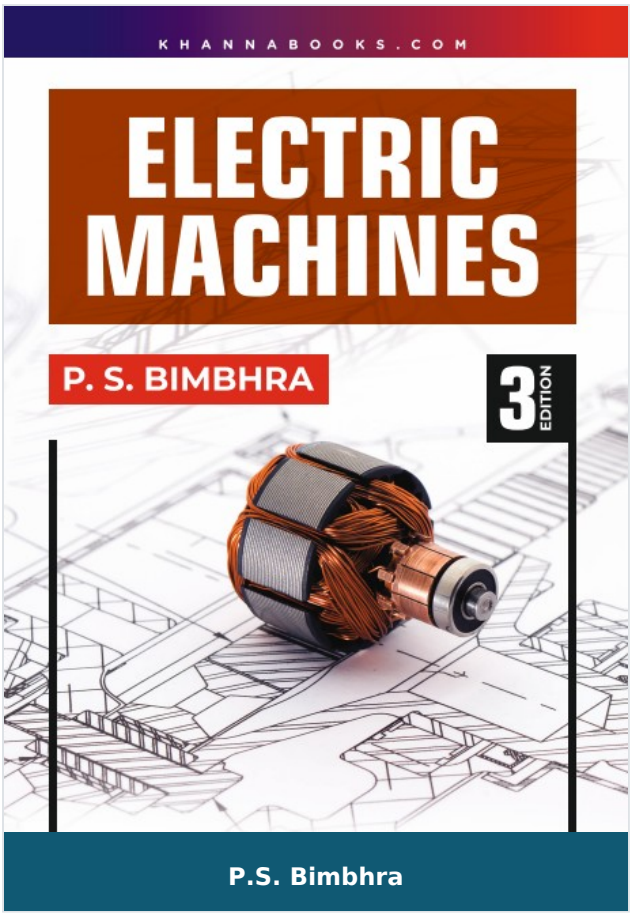
**Rajeev Bali**

Rajeev Bali is a Graduate Engineer with BTNL and has co-authored elements of electronic Investment.

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# Electric Machines

| | |
|---|---|
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## Product Description

This book is suitable as a textbook for undergraduate courses in electric machines. Subject matter in each chapter in so developed from basic principles that an average student can understand it easily. Since the text is written in simple language, this book would be found suitable even for diploma students and AMIE candidates. GATE and UPSC candidates would also find the book quite useful.

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- Transformer
- Electromechanical Energy Conversion Principles
- Basic Concepts of Rotating Electric Machines
- D.C. Machines
- Synchronous Machines
- Three Phase Induction Motors
- Single Phase Motors
- Special Machines


## Author

**P.S. Bimbhra**

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

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