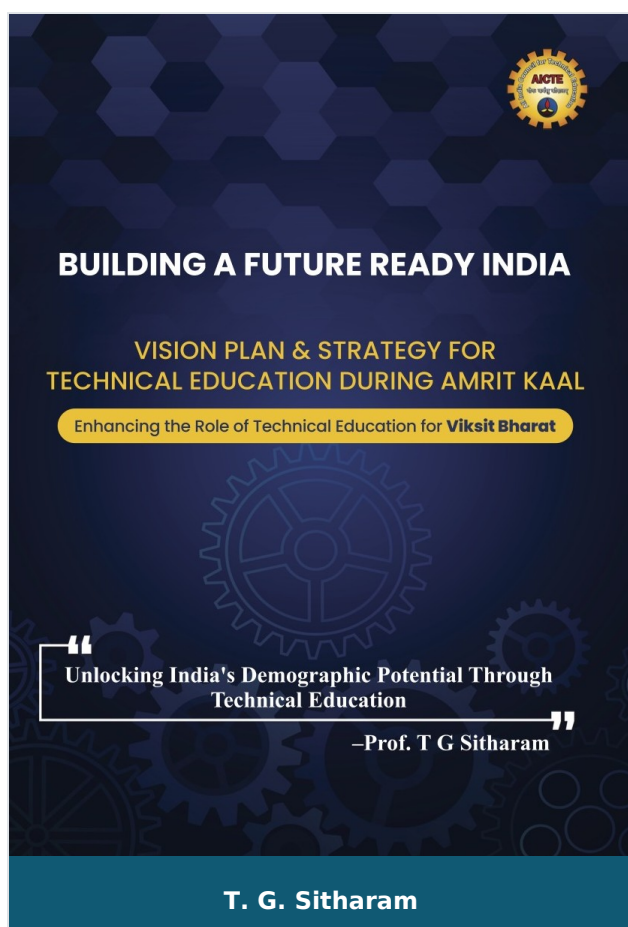




Building a Future Ready India

Author :	T. G. Sitharam
ISBN 13 :	978-93-55386-11-3
ISBN 10 :	9355386117
E-ISBN 13 :	978-93-55386-11-3
Edition :	1
Pages :	88
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	New Arrivals, Book Store, Best Sellers, Education & Knowledge Systems
Condition Type :	New
Country Origin :	India

Product Description

In the rapidly evolving landscape of technical education, the year 2047 stands as a pivotal juncture for India. This book delves into the transformational journey of technical education over the past few decades, offers insights on vision, plan and strategy for technical education in India, harnesses the potential of technical education in nation building and foresight into the innovations, challenges, and possibilities that have defined this dynamic era. The significance of technical education has soared to unprecedented heights in the last few years. India envisions a holistic Technical Education System that produces globally competitive skilled technical professionals. With the rise of artificial intelligence, quantum computing and sustainable engineering solutions, a paradigm shift is necessary to impart skill based knowledge and prepare future generations. This book is an attempt to understand the key elements of Technical Education which includes 'Quality Education, Leveraging Technology, Integration of Skill in Curriculum, Promotion of R&D, Innovation in Pedagogy, Industry- Academia Collaboration etc. Drawing upon the collective wisdom of visionaries, educators, and pioneers in the field, this book endeavors to illuminate the transformative forces shaping technical education. It seeks to inspire educators, students, policymakers, and innovators alike to envision and create a future where learning is agile, inclusive, and empowers individuals to thrive in an ever-evolving world.

Table Of Contents

- Executive Summary.
- Importance of Technical Education.
- Overview of Growth of Technical Education in India.
- Vision for Technical Education in India by 2047.
- Challenges Faced in Technical Education & How to Overcome Them.
- Impact of Technical Education on Achievement of SDG Goals.
- Enhancing Role of Govt. & Technical Education in Nation Building.
- Best Practices in Technical Education from Around the World.
- Need for Curriculum Reform & Building Robust Research Ecosystem.
- Enhancing Quality of Technical Education through Accreditation and Quality Assurance.
- Attracting and Retaining Talented Faculty for Technical Education.
- Developing Skilled & Job-Ready Workforce through Technical Education.
- Addressing Issues of Equity, Diversity, and Inclusion in Technical Education.
- Leveraging Technology to Enhance Teaching and Learning in Technical Education.
- Importance of Industry-Academia Collaboration in Technical Education.
- Promoting Entrepreneurship and Start-up Culture through Technical Education.
- Building a Global Reputation for Technical Education in India.
- Role of NGOs, Private Sector in Technical Education in India.
- Leveraging Digital Platforms to Enhance Technical Education.
- Developing Sustainable Infrastructure for Technical Education in India.
- Strengthening Technical Education in Emerging Fields such as AI, IoT, Robotics, Cyber security, Quantum computing, Data analytics, UI/UX.
- Bridging the Skill Gap through Apprenticeship and Internship Program.

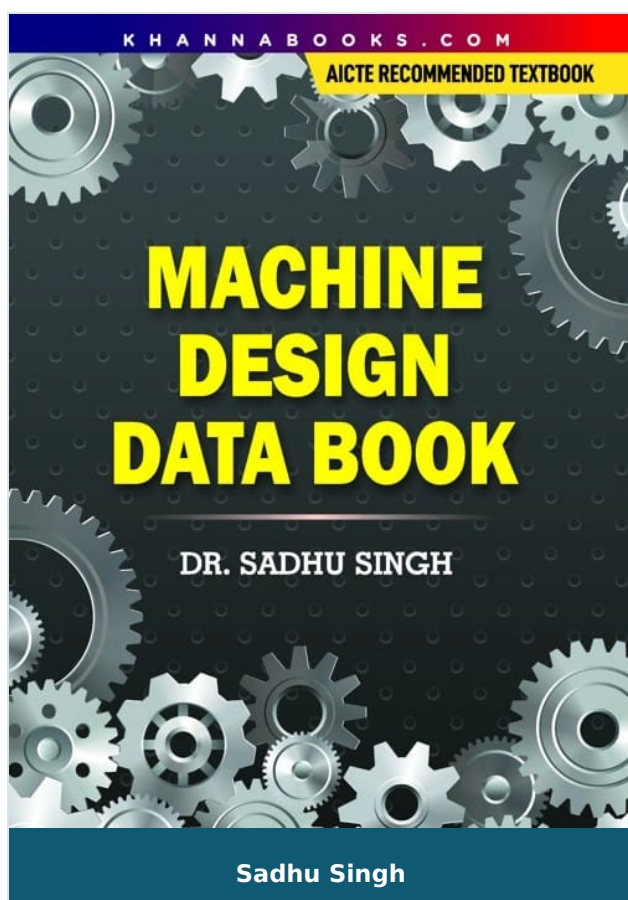
- Role of Incubation Centers & Accelerators in Supporting Start-ups.
- Innovation in Pedagogy & Assessment Techniques for Technical Education.
- Enabling Entrepreneurial Mindset through Technical Education.
- Th e Role of Mentorship and Career Guidance in Technical Education.
- Developing Institutional Autonomy for Technical Education in India.
- Th e Need for Multi-Sectoral Partnerships for Technical Education.
- Building a Culture of Research and Innovation in Technical Education Institutions.
- Addressing the Challenges of Rural Technical Education in India.
- Importance of Financial Aid and Scholarships in Technical Education.
- Addressing Needs of Differently-Abled Students in Technical Education.
- Importance of Soft Skills & Higher Order Th inking Skills.
- Addressing the Challenges of Online and Hybrid Technical Education.
- Effective Monitoring & Evaluation Framework for 2047 Strategy.
- Various Initiatives of All India Council for Technology for the betterment of Students.
- Technical Education Action Plan.
- Glimpses of AICTE Activities in 2023.
- Action Plan For Technical Education in Amritkaal.
- Conclusion.
- About the Author.

Author

T. G. Sitharam

T. G. Sitharam is a civil engineer, professor at IISc Bangalore, former director at IIT Guwahati. Currently, he is serving as Chairman of the All India Council for Technical Education, (AICTE) from 1 December 2002 onwards. He is known for his works in the fields of rock mechanics, rock engineering geotechnical earthquake engineering. He is an

elected fellow of Indian Geotechnical Society, Institution of Engineers (India) and American Society of Civil Engineers.



Machine Design Data Book

Author :	Sadhu Singh
ISBN 13 :	978-93-82609-51-3
ISBN 10 :	9382609512
E-ISBN 13 :	978-93-82609-51-3
Edition :	Revised
Pages :	320
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 360.00
Categories :	Mechanical Engineering, UNIVERSITY RECOMMENDED, Mechanical Engineering, Book Store, Best Sellers
Condition Type :	New
Country Origin :	India

Product Description

The book shall be useful to the students and teacher of all Indian Universities and Institutions in the branches of mechanical Engineering, Production Engineering, Aeronautical Engineering, Agricultural Engineering, Chemical Engineering and other allied branches.

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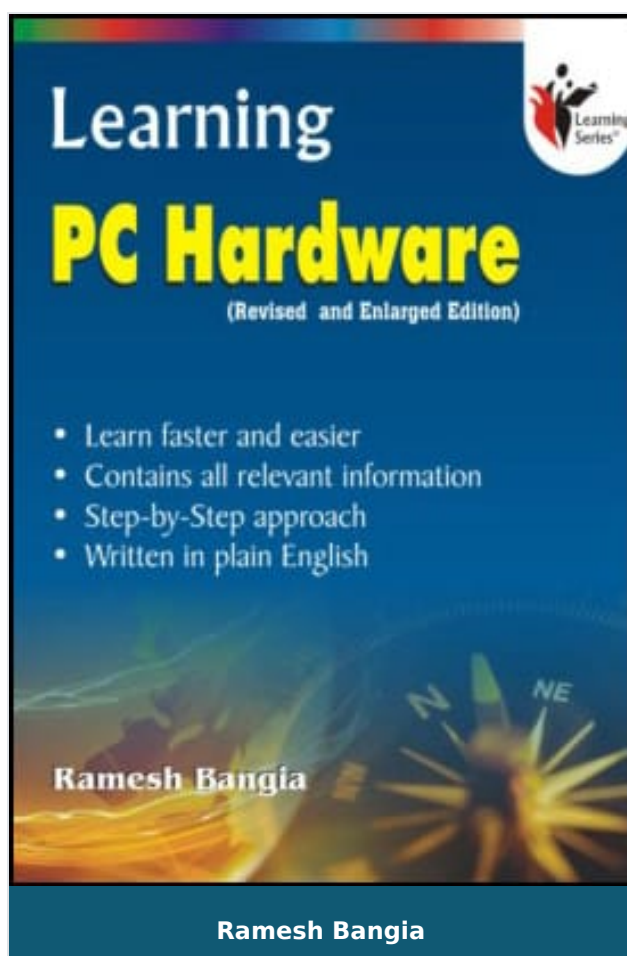
- Basic Design Data
- Engineering Materials
- Design for Static Loading
- Design for Variable Loading
- Riveted Joints
- Welded Joints
- Screwed Joints
- Power Screws
- Transmission Shafts
- Keys and Couplings
- Cotter Joints
- Knuckle Joint
- Pipe Joints
- Mechanical Springs
- Flat and V-Belts
- Chains and Ropes
- Spur Gears
- Helical Gears
- Bevel Gears
- Worm Gears
- Sliding Bearings
- Rolling Contact Bearings
- Flywheel

- Clutches and Brakes
- Internal Combustion Engine Parts

Author

Sadhu Singh

Dr. Sadhu Singh is a retired professor of Mechanical Engineering of Govind Ballabh Pant university of Agriculture & Technology, Pantnagar. He graduated in Mechanical Engineering with Hons, from Punjab University, Chandigarh, M.Sc. (Mechanical Design & Production Engineering) and Ph.D. from Kurukshetra University, Kurukshetra. His teaching experience spans 15 years at Regional Engineering College (now NIT), Kurukshetra and 19 years at Pantnagar University. He has been Professor & Head, Mechanical Engineering Department and Dean, Faculty of Engineering & Technology at Pantnagar. He has been Director (Colleges). Punjab Technical University, Jalandhar.



Learning PC Hardware

Author :	Ramesh Bangia
ISBN 13 :	978-81-90675-81-9
ISBN 10 :	8190675818
E-ISBN 13 :	978-81-90675-81-9
Edition :	2
Pages :	222
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

Learning of a software is both easy and difficult. It depends up to what level you planning to learn. If you are learning only for the working use, then it is very easy. But, when you try to go deep into it, then you realize how difficult it is to master it. PC Hardware is such a vast subject that it will take a lot of time to understand it fully. This book has been written in mind to make you aware of the options available in the software and how they can be used. It is like telling the child about the steps and stairs. You are the one who is to climb the stair. This book will just guide you how to use the stairs.

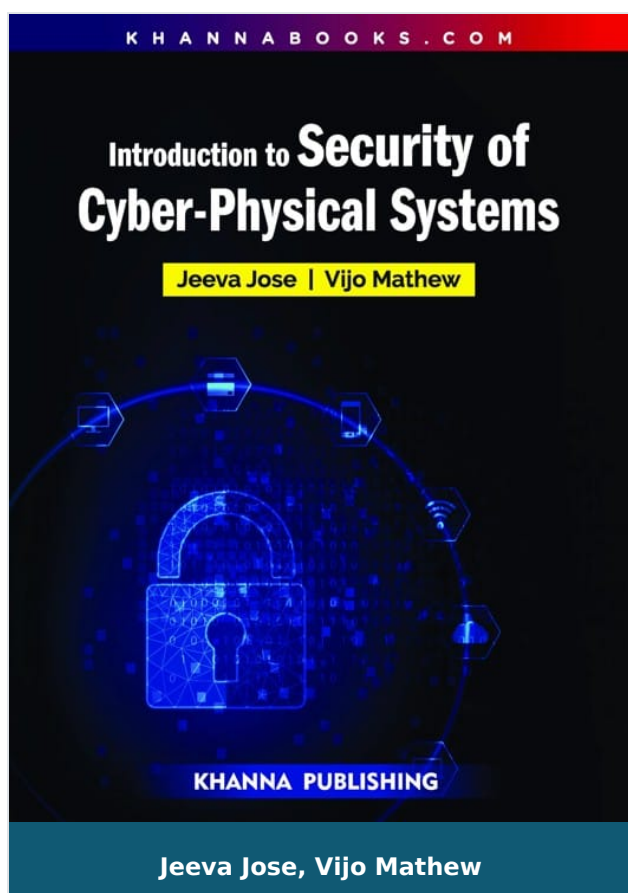
Table Of Contents

- Introduction to PC Hardware
- Input Devices
- Output Devices
- Storage Devices
- Inside the CPU
- Boot Process and BIOS
- Computer Memory
- Maintaining the Computer
- Assemble a Computer
- 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.



Introduction to Security of Cyber-Physical Systems

Author : Jeeva Jose, Vijo Mathew

ISBN 13 : 978-93-55380-58-6

ISBN 10 : 9355380585

E-ISBN 13 : 978-93-55380-58-6

Edition : First

Pages : 368

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 299.00

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

Condition Type : New

Country Origin : India

Product Description

Salient Features of this book:-

1. Covers Complete AICTE syllabus of Security of Cyber Physical Systems (IOT-O2) minor change degree course .
2. The basic of security and various types of security issues are explained
3. Different cryptography techniques and various security attacks are discussed.
4. Network security and how they are implemented in real world is demonstrated.
5. Insight to various issues of web security and biometric authentication provided.
6. Each chapter is provided with objective questions with answers and review questions.
7. The full form and explanation of the abbreviations used are given in each chapter.

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- Introduction
- to Security of Cyber-Physical Systems

Author

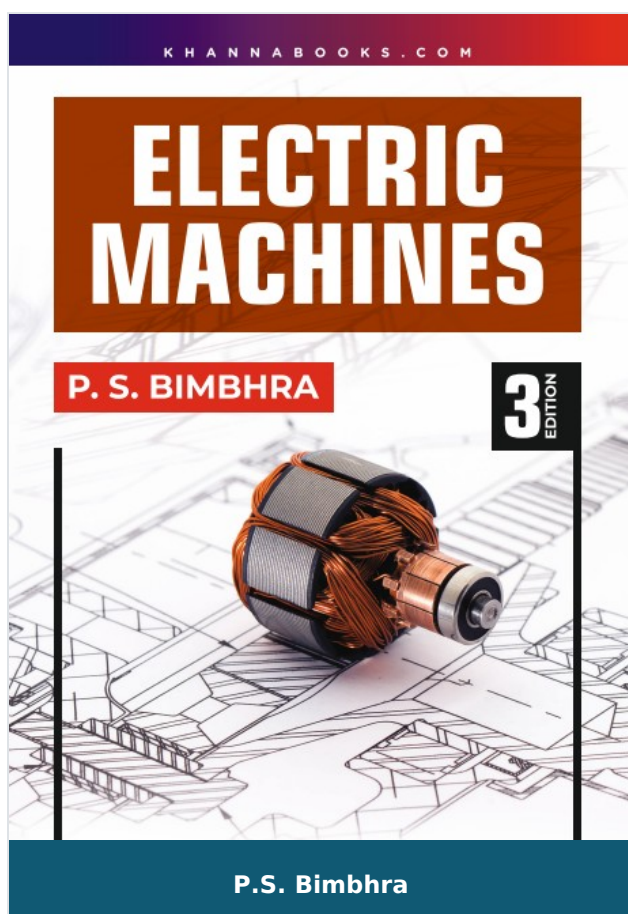
Jeeva Jose

Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York.

Vijo Mathew

Vijo Mathew is a highly accomplished engineer with three decades of experience in driving innovation and growth in various electrical, electronics, and information technology industries. His track record is complemented by a postgraduate degree in management, equipping him to excel in business management, strategic management, and technology management. His expertise is highly valued in the fields of software, electrical and electronics hardware, and design where he provides strategic guidance and mentorship to organizations seeking to stay ahead of the curve. He has demonstrated a unique ability to bridge the gap between technology and business driving success through his visionary approach and collaborative leadership style. His leadership skills and technical acumen have made him an advisor to some reputed national and

international corporations. As an advisor and strategic leader, he is helping organizations achieve their full potential through innovative solutions, effective management, and visionary leadership. He is also author of many books related to technology and management.



Electric Machines

Author :	P.S. Bimbhra
ISBN 13 :	978-93-55386-09-0
ISBN 10 :	9355386095
E-ISBN 13 :	978-93-55386-09-0
Edition :	Third
Pages :	488
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 450.00
Categories :	Electrical, Electronics & Communication Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book is suitable as a textbook for undergraduate courses in electric machines. Subject matter in each chapter is 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.

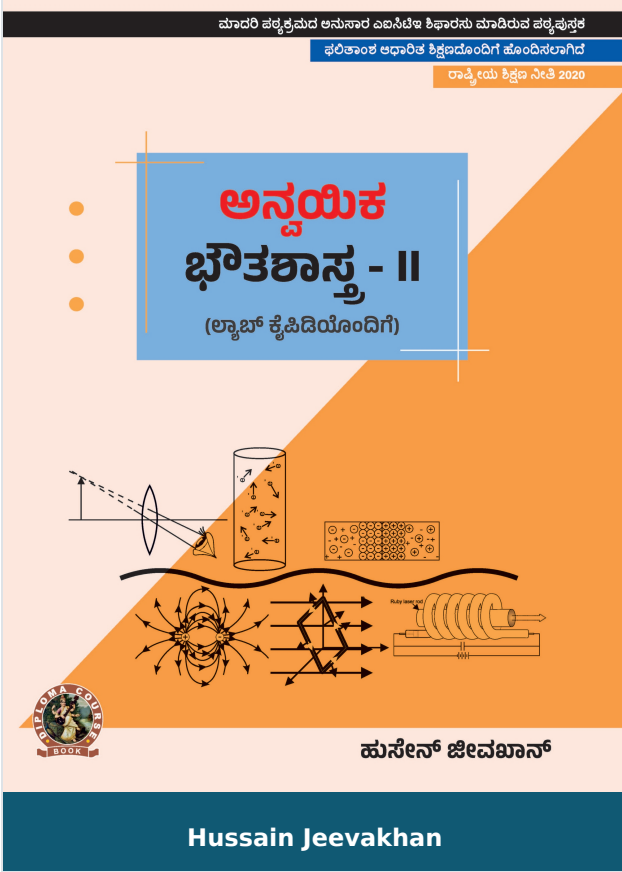
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- Transformer
- Electromechanical Energy Conversion Principles
- Basic Concepts of Rotating Electric Machines
- D.C. Machines
- Synchronous Machines
- Three Phase Induction Motors
- Single Phase Motors
- Special Machines

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.



Applied Physics II (with Lab Manual)

Author : Hussain Jeevakhan

ISBN 13 : 978-93-55380-07-4

ISBN 10 : 9355380070

E-ISBN 13 : 978-93-55380-07-4

Edition : 1

Pages : 308

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 395.00

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

Condition Type : New

Country Origin : India

Product Description

“Applied Physics-II” is a basic science course in the first year of the Diploma program in Engineering & Technology. Contents of this book are stringently aligned as per model curriculum of AICTE and incorporated with the concepts of outcomes-based education(OBE).

Book covers seven topics- Wave motion, Optics, Electrostatics, Current electricity, Electromagnetism, semiconductor physics and Modern physics. Each topic and its subtopics are written from the perspective of a student’s learning and in accord with the NEP 2020 guidelines. Every unit comprises a set of activities and exercise at the end to assist the student’s learning.

Some salient features of the book:

1. Unit Outcomes of each unit are mapped with Course Outcomes and Programs Outcomes.
2. Book Provides relevant interesting facts, QR Code for E-resources and use of ICT and suggested micro projects activities in each unit.
3. Content presented in book in chronological way.
4. Figures, tables and equations are given to improve clarity of the topics.
5. Solved examples are given with systematic steps.
6. MCQ’s, short and long answer questions and unsolved problems of understanding and above levels (Bloom’s Taxonomy) are given for learning reinforcement of students and as per OBE.

Table Of Contents

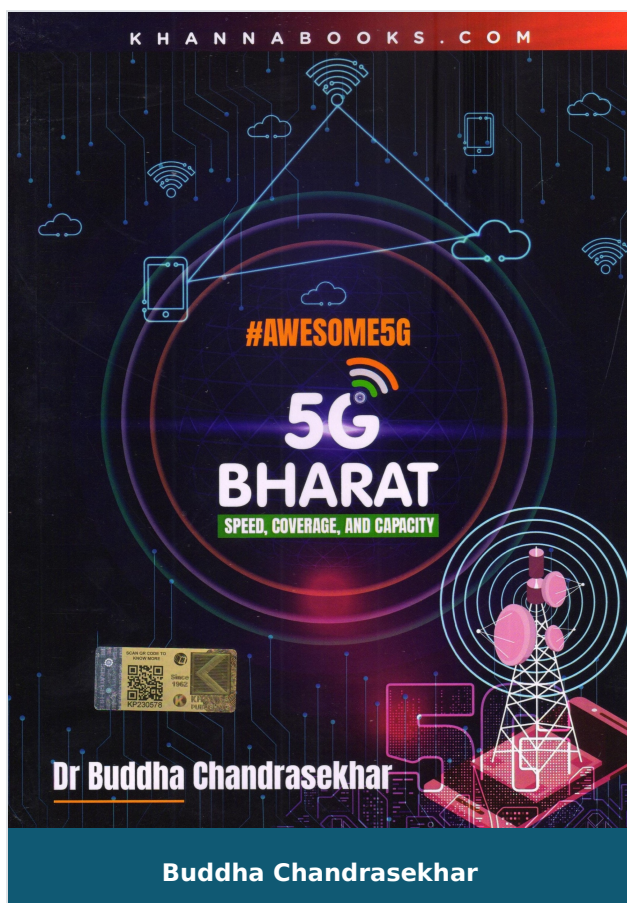
- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and Symbols,
- List of Figures,
- Guidelines for Teachers,
- Guidelines for Students
- Wave Motion and its applications
- Optics
- Electrostatics
- Current Electricity
- Electromagnetism
- Semiconductor physics
- Modern physics
- Index

Author

Hussain Jeevakhan

Hussain Jeevakhan-789391505578(DIP126EN) “Applied Physics-II” is a basic science course in the first year of the Diploma program in Engineering & Technology. Contents of this book are stringently aligned as per model curriculum of AICTE and incorporated with the concepts of outcomes-based education(OBE). Book covers seven topics- Wave

motion, Optics, Electrostatics, Current electricity, Electromagnetism, semiconductor physics and Modern physics. Each topic and its subtopics are written from the perspective of a student's learning and in accord with the NEP 2020 guidelines. Every unit comprises a set of activities and exercise at the end to assist the student's learning. Some salient features of the book: | Unit Outcomes of each unit are mapped with Course Outcomes and Programs Outcomes. | Book Provides relevant interesting facts, QR Code for E-resources and use of ICT and suggested micro projects activities in each unit. | Content presented in book in chronological way. | Figures, tables and equations are given to improve clarity of the topics. | Solved examples are given with systematic steps. | MCQ's, short and long answer questions and unsolved problems of understanding and above levels (Bloom's Taxonomy) are given for learning reinforcement of students and as per OBE.



#Awesome5G- 5G Bharat

Author : Buddha Chandrasekhar

ISBN 13 : 978-93-55382-89-4

ISBN 10 : 9355382898

E-ISBN 13 : 978-93-55382-89-4

Edition : 1

Pages : 92

Type of book : Physical

Year : 2024

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 300.00

Categories : [General Books, Book Store](#)

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.

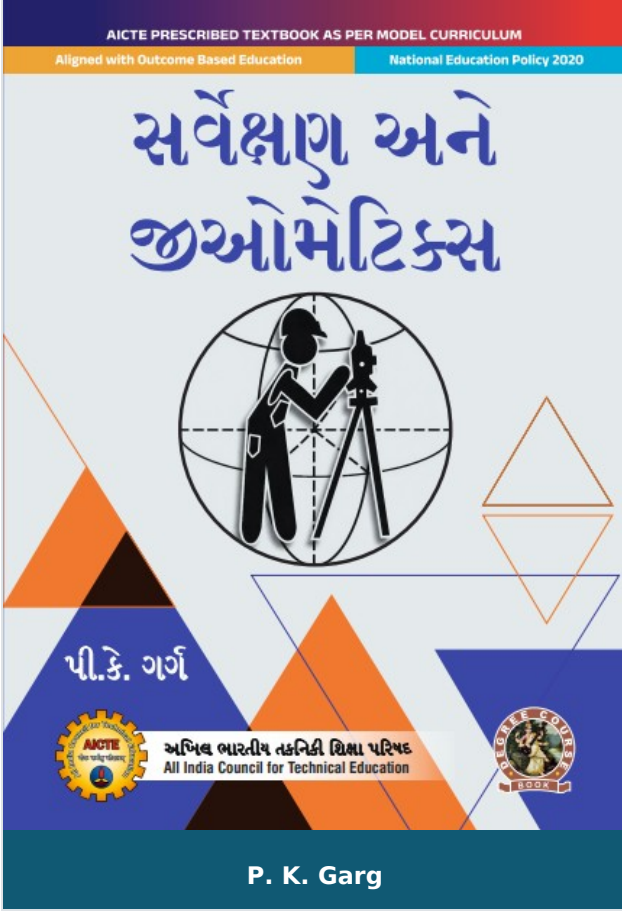
Table Of Contents

- 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



TEXTBOOK ON SURVEYING AND GEOMATICS

Author :	P. K. Garg
ISBN 13 :	978-93-55389-14-5
ISBN 10 :	9355389140
E-ISBN 13 :	978-93-55389-14-5
Edition :	First
Pages :	492
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 725.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Textbook On Surveying and Geomatics

The book provides the fundamental principles and theory of various equipment and techniques used in surveying and geomatics engineering. The fast developments which have taken place in field data collection methods and mapping techniques are also covered in the book. The book is intended to guide and help students and researches understanding of surveying and geometrics tools and techniques. It provides insights to the subject matter aligned with the latest model curriculum of the AICTE, followed by the concept of outcome-based education as per the New 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.

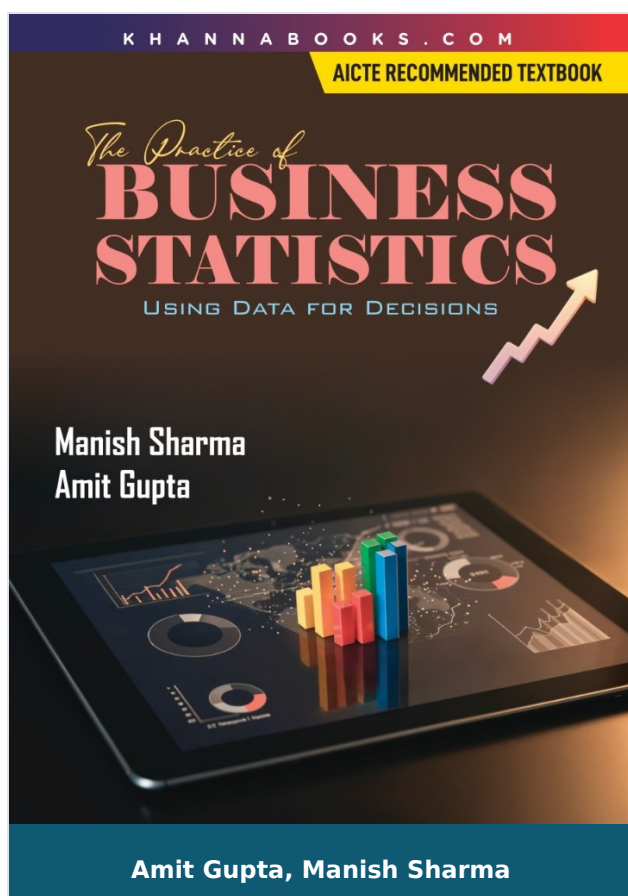
Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- • SURVEYING
- • CURVES
- • MODERN FIELD SURVEY SYSTEMS
- • PHOTOGRAMMETRY SURVEYING
- • REMOTE SENSING
- CO And PO Attainment Table
- Index

Author

P. K. Garg

P.K. GARG Professor, Civil Engineering Department Indian Institute of Technology Roorkee, Roorkee & Former, Vice Chancellor Uttarakhand Technical University, Dehradun



The Practice of Business Statistics

Author : Amit Gupta, Manish Sharma

ISBN 13 : 978-93-80016-51-1

ISBN 10 : 9380016514

E-ISBN 13 : 978-93-80016-51-1

Edition : 1

Pages : 840

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 650.00

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

Condition Type : New

Country Origin : India

Product Description

Easy to read & write style, Adequate example and problems based on real-life business situations, Every chapter is supported with multiple choice questions, Theoretical questions and numerical for better practice, Explanation of import concepts through various worked-out examples, The book is presented with an approach to explain the graphs have been drawn which enable students to grasp the subject in an easy way, Systematic and sequential arrangement of different topics, Rich pedagogy.

Table Of Contents

- Introduction, Meaning, Definition and Scope
- Collection of Data
- Organising Data: Classification and Tabulation
- Presentation of Data: Diagrammatic
- Presentation of Data: Graphic
- Measures of Central Tendency
- Measures of Dispersion (Variation)
- Skewness, Moments and Kurtosis
- Index Numbers
- Correlation Analysis
- Regression Analysis
- Time Series Analysis and Forecasting
- Probability and Mathematical Expectation
- Probability Theoretical Distributions
- Sampling Distributions and Estimation
- Test of Hypothesis
- CHI-Square Test
- Analysis of Variance (Anova)
- Association of Attributes
- Statistical Decision Theory (SDT)
- Statistical Quality Control (SQC)
- Appendix
- Index

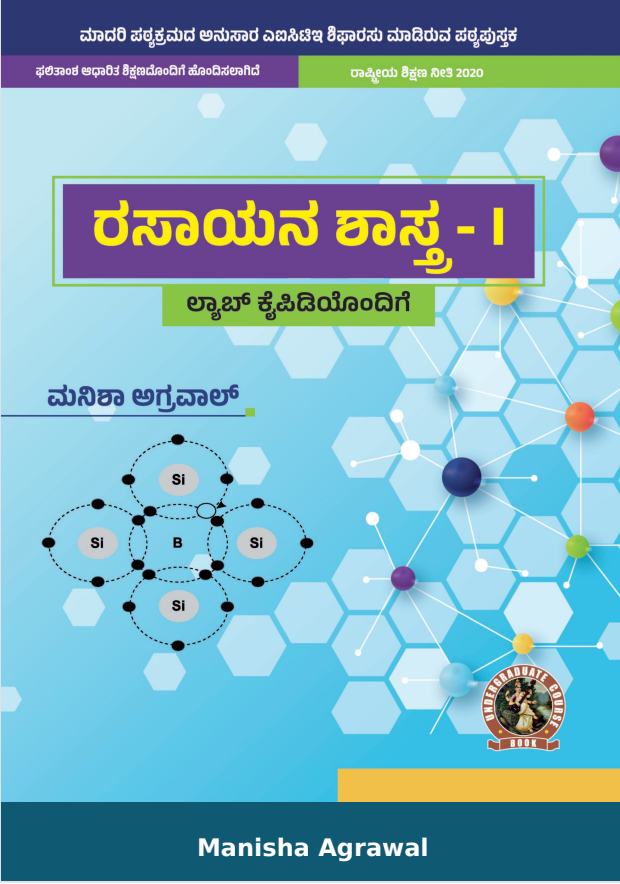
Author

Amit Gupta

Amit Gupta: Asst. professor, Determent of CS & IT, Rakshpal Bahadur Management Institute, Bareilly.

Manish Sharma

Dr. Manish Sharma : Director General, RBMI Group of Institutions, Bareilly and Greater Noida.



Chemistry I (with Lab Manual)

Author : Manisha Agrawal

ISBN 13 : 978-93-91505-46-2

ISBN 10 : 9391505465

E-ISBN 13 : 978-93-91505-46-2

Edition : 1

Pages : 268

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 395.00

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

Condition Type : New

Country Origin : India

Product Description

“Chemistry-I” is a compulsory paper for the first year Undergraduate course in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education.

Book covers seven topics-Atomic and molecular structure, Spectroscopic Technique and applications, Inter-molecular Forces and Potential Energy Surfaces, Use of Free Energy in Chemical Equilibrium, Periodic Properties, Stereo-chemistry, Organic Reactions and Synthesis of Drug Molecules. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test student's comprehension.

Salient Features:

1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
2. Book Provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, Projects group discussion etc.
3. Students and teacher centric subject materials included in book with balanced and chronological manner.
4. Figures, tables, chemical equations and comparative charts are inserted to improve clarity of the topics.
5. Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
6. Solved and unsolved problems including numerical examples are solved with systematic steps.

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- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
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- List of Tables
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- Guidelines for Students
- Atomic and Molecular Structure
- Spectroscopic Techniques and Applications
- Intermolecular Forces and Potential Energy Surfaces
- Use of Free Energy in Chemical Equilibria
- Periodic Properties
- Stereochemistry and Organic Reactions
- Organic Reactions Synthesis of Drug Molecules
- Annexure
- Appendices

Author

Manisha Agrawal

Manisha Agrawal Dr. Manisha Agarwal is Dean, Basic Sciences at Chhattisgarh Swami Vivekanand Technical University Bhilai. Professor and head, Department of Chemistry at Rungta College of Engineering & Technology, Bhilai, (C.G.). She completed Ph. D. from Pt. Ravishankar Shukla University, Raipur in 1999. Since then she has been engaged in teaching and research. Dr. Manisha has authored several papers which have been published in SCI indexed International and National journals. She has organised more than 10 Conferences and workshops as convener among them four were International Conferences. She has credited five books as author, three patents as inventor and applicant and six Research Project Grants as Principal Investigator from Government Funding agencies like AICTE, CCOST and CSVTU. She has supervised 5 M. Phil. Students, 12 BE and Diploma students. Presently 6 research scholars are perusing Ph. D. under her supervision.