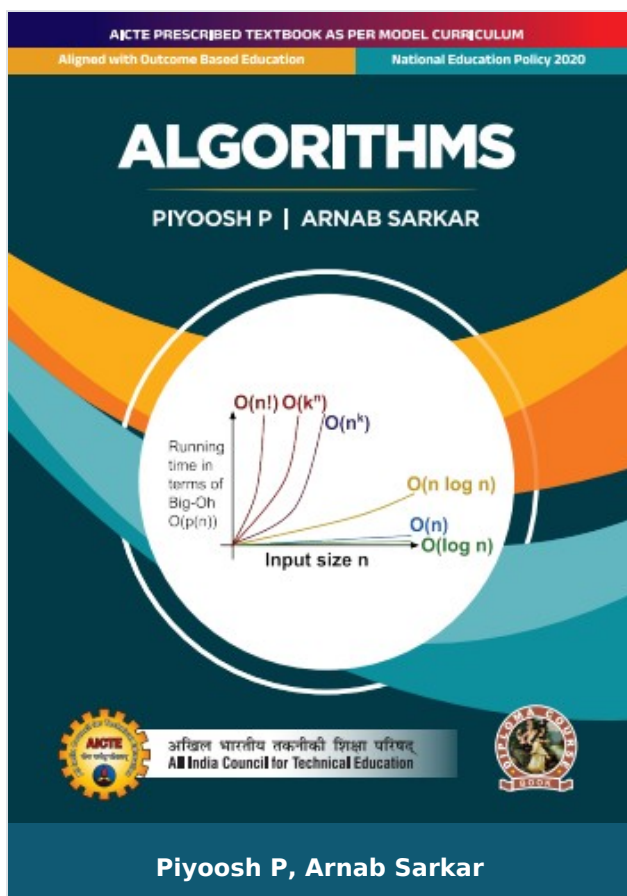




Algorithms

Author : Piyoosh P, Arnab Sarkar

ISBN 13 : 978-93-55384-54-6

ISBN 10 : 9355384548

E-ISBN 13 : 978-93-55384-54-6

Edition : First

Pages : 156

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 298.00

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

Condition Type : New

Country Origin : India

Product Description

Algorithms

This book presents data structures and algorithms whose knowledge is indispensable to effective computer programming. Design of algorithms strategies for different types of applications as well as techniques for analyzing them have been introduced, so that the students gain an understanding of mechanisms for constructing correct and efficient software programs. The main content of this book is aligned with the model curriculum of AICTE followed by the concept of outcome-based education as per National 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 unit.

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- List of Tables
- Fundamentals
- Sorting
- Searching
- Graphs
- Strings
- References For Further Learnings
- Co And Po Attainment Table
- Index

Author

Piyoosh P

Dr. Piyoosh P Assistant Professor, Department of Computer Science and Engineering Dr.

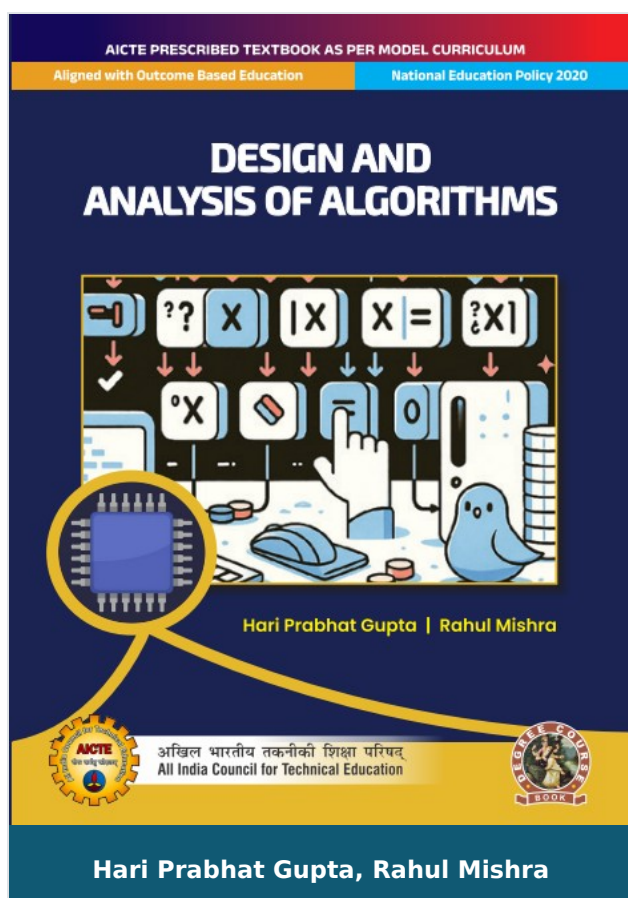
Arnab Sarkar

Khanna Publishing House

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

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

Dr. Arnab Sarkar Associate Professor, Advanced Technology Development Centre (ATDC)



Design and Analysis of Algorithms

Author : Hari Prabhat Gupta, Rahul Mishra

ISBN 13 : 978-93-55386-70-0

ISBN 10 : 9355386702

E-ISBN 13 : 978-93-55386-70-0

Edition : First

Pages : 324

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 598.00

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

Condition Type : New

Country Origin : India

Product Description

Design and Analysis of Algorithms

This book offers an in-depth exploration of designing and analysing algorithms. It covers topics such as algorithmic analysis, design principles, theoretical proofs, and practical applications. The content includes a logical example explaining the concepts, accompanied by a diverse range of solved and unsolved problems. Each problem is accompanied by step-by-step solutions, providing readers with a comprehensive understanding of algorithmic design and analysis. With its systematic approach, programming-based solutions, and thorough examples, this book serves as an ideal resource for those curious to learn basic to high level concept of algorithm design.

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 of him/ her after completing that unit.
- Book provides lots of recent information, interesting facts, logical examples, and solved programming exercises. Theorems and their proofs are added to provide detailed insight of analysis.
- Student and teacher centric subject material included in book in balanced and chronological manner.
- Figures, tables, and image-based elaborate examples are inserted to improve clarity of the topics. Salient Features:
- Short and long answer questions are given for practice of students after every chapter for practice of students after every chapter.

- Solved and Unsolved programming exercises are included in the appendix of the book.
- QR Code at the start of every chapter provide convenient access to electronic resources, including solutions to programming problems, discussions on key concepts, and project topics for students

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- Brute-Force Methodology
- Greedy Algorithms
- Dynamic Programming
- Divide-and-Conquer
- NP-Completeness
- Advanced Topics in Algorithms
- Annexure: List of Experiments
- Co and PO Attainment Table
- Appendices
- Index

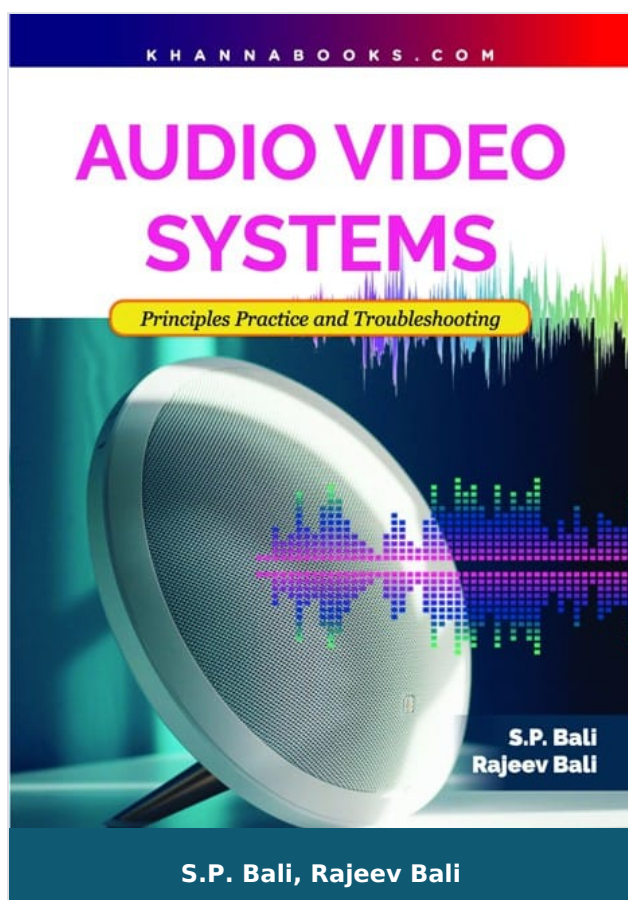
Author

Hari Prabhat Gupta

Dr. Hari Prabhat Gupta, Ph.D. Associate Professor, Dept. of Computer Science & Engineering, IIT (BHU) Varanasi, India Dr.

Rahul Mishra

Dr. Rahul Mishra, Ph.D. Assistant Professor, Dept. of Computer Science & Engineering, IIT Patna, India



Audio Video Systems

Author :	S.P. Bali, Rajeev Bali
ISBN 13 :	978-81-87522-05-8
ISBN 10 :	8187522054
E-ISBN 13 :	978-81-87522-05-8
Edition :	1
Pages :	600
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 650.00
Categories :	Electrical, Electronics & Communication Engineering, Book Store
Condition Type :	New
Country Origin :	India

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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- Acoustics
- Disc 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
- Optical Recording and Reproduction
- Commercial Sound
- Audio Systems
- Monochrome TV Standardds and Systems
- Colour TV Standards and Systems

- 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 Maintenance
- Acoustical Measurements
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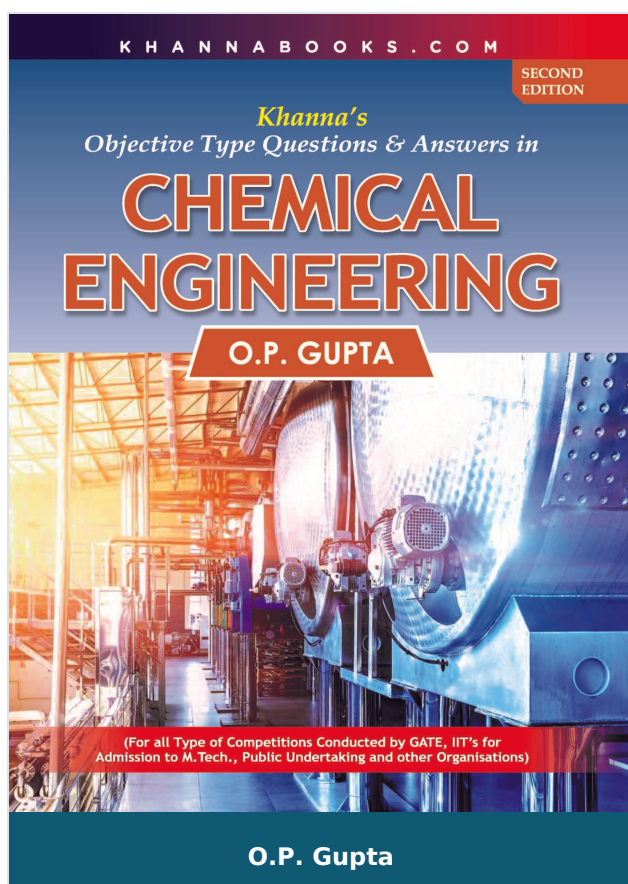
Author

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 MCME, Secunderabad). He is a Professional trainer and has been conducting 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.



Khanna's Objective Type Questions & Answers in Chemical Engineering

Author :	O.P. Gupta
ISBN 13 :	978-81-95123-19-3
ISBN 10 :	8195123198
E-ISBN 13 :	978-81-95123-19-3
Edition :	Second
Pages :	396
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 425.00
Categories :	OBJECTIVE TYPE BOOKS, Book Store
Condition Type :	New
Country Origin :	India

Khanna Publishing House

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

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

Product Description

This book is meant for diploma students of chemical engineering and petroleum engineering both for their academic program as well as for competitive examinations. This book contains 18 chapters covering title entire syllabus of diploma course in chemical engineering and petrochemical engineering.

This book in its present form has been designed to serve as an encyclopedia of chemical engineering so as to be ready reckoner apart from being useful for all types of written tests and interviews faced by chemical engineering and petrochemical engineering students. So, this book will be equally useful for diploma in petrochemical engineering students.

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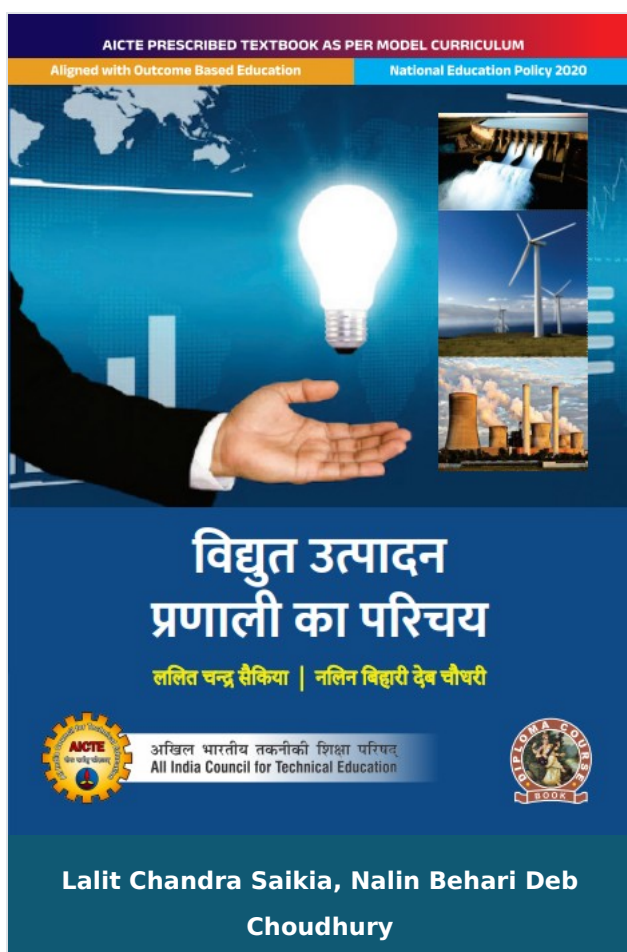
- Fluid Mechanics
- Stoichiometry (Process Calculation)
- Mechanical Operation
- Chemical Process Industries (Chemical Technology)
- Petroleum Refinery Engineering
- Fertiliser Technology
- Heat Transfer
- Mass Transfer
- Process Control and Instrumentation
- Chemical Engineering Thermodynamics
- Chemical Reaction Engineering
- Fuels and Combustion
- Materials of Construction
- Process Equipment Design
- Chemical Engineering Economics
- Environmental Engineering
- Polymer Technology
- Petrochemical Questions
- Miscellaneous Questions
- Interview Questions & Answers
- Gate-2018
- Gate-2019
- Gate-2020

- Gate 2021

Author

O.P. Gupta

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.



Introduction to Electric Generation Systems

Author :	Lalit Chandra Saikia, Nalin Behari Deb Choudhury
ISBN 13 :	978-93-55386-76-2
ISBN 10 :	9355386761
E-ISBN 13 :	978-93-55386-76-2
Edition :	First
Pages :	396
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 550.00
Categories :	AICTE Prescribed Textbooks, Hindi Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Introduction to Electric Generation Systems

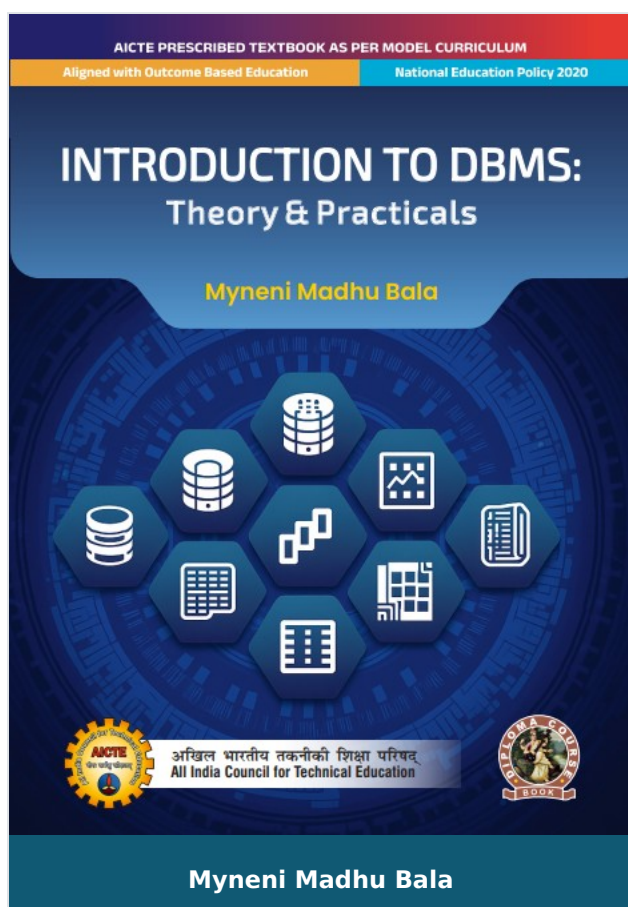
Author

Lalit Chandra Saikia

Dr. Lalit Chandra Saikia Associate Professor National Institute of Technology Silchar,
Assam Dr.

Nalin Behari Deb Choudhury

Dr. Nalin Behari Deb Choudhury Professor National Institute of Technology Silchar, Assam



Introduction to DBMS: Theory & Practicals

Author : Myneni Madhu Bala

ISBN 13 : 978-93-55388-65-0

ISBN 10 : 9355388659

E-ISBN 13 : 978-93-55388-65-0

Edition : First

Pages : 204

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 392.00

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

Condition Type : New

Country Origin : India

Product Description

Introduction to DBMS: Theory & Practicals

Databases are an important branch of computer science that essentially deals with information and data and their effect on information retrieval and decision-making. Due to modern civilization, database, systems play a significant role in all our daily activities by purchases through e-commerce sites like flipkart and amazon, and reservation of booking of hotel, rail, bus, or airline.

The focus of this book is the foundation of database operations along with orientation on daily activities linked with DB queries and case studies on real-time applications.

Undoubtedly, this book stimulates ideas for using database queries to examine how a system operates and helps in making decisions.

Features included are:

- Outcome of each unit mentioned and mapped with course outcomes, which is in line with content.
- Provides extended and e-learning resources through web links and QR codes.
- Assessment methods and related sample questions at all levels are provided at the end of each unit.
- Case studies with real-time applications are discussed
- Open-source software (MySQL) and further learning material are provided for learning and practice online.

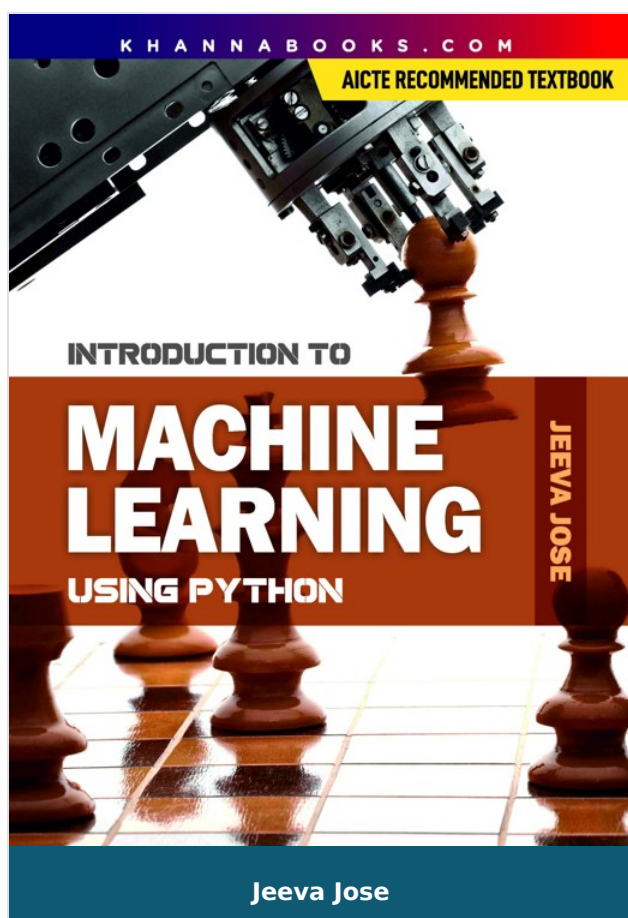
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- Guidelines for Students
- Abbreviations and Symbols
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- Data modeling
- Relational model and formal query languages
- Structured query language (SQL)
- Functional dependencies and normalization for databases
- References For Further Learning
- CO And PO Attainment Table
- Index

Author

Myneni Madhu Bala

Dr. Myneni Madhu Bala Professor, Department of Computer Science Engineering, Institute of Aeronautical Engineering , Telangana



Introduction to Machine Learning

Author :	Jeeva Jose
ISBN 13 :	978-93-89139-06-8
ISBN 10 :	9389139066
E-ISBN 13 :	978-93-89139-06-8
Edition :	First
Pages :	200
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 248.00
Categories :	Computer Science Engineering, Emerging Technologies, Book Store
Condition Type :	New
Country Origin :	India

Product Description

- . AICTE recommended book for Indian Universities and Autonomous colleges..
- . This book can be used as a self-study material or for instructor assisted teaching.
- . Frequent questions for interviews and examinations are provided.

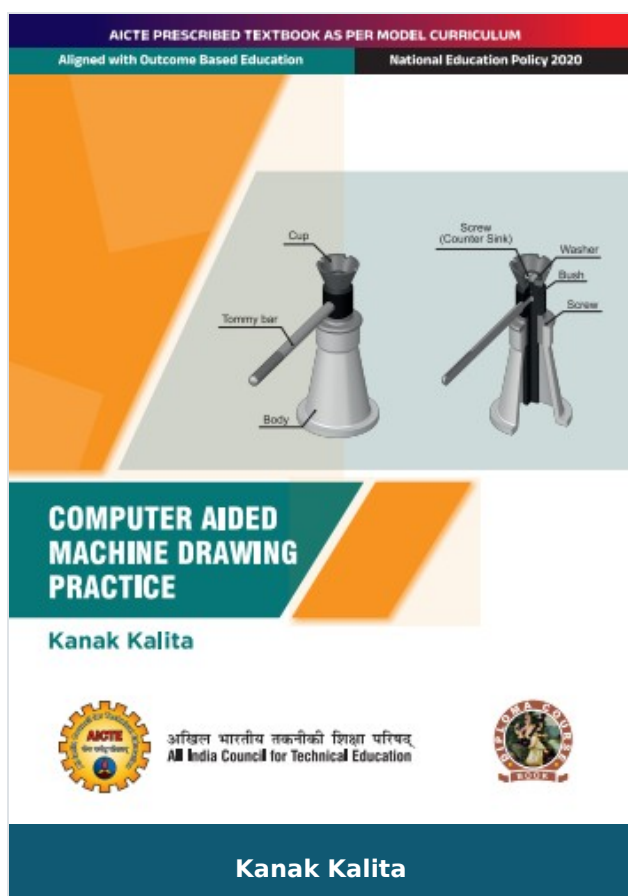
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- Introduction to Machine Learning
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- Cluster Analysis
- Advance Multivariate Analysis
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- Introduction to TensorFlow
- Regression using TensorFlow
- Artificial Neural Networks using TensorFlow

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.



Computer Aided Machine Drawing Practice

Author : Kanak Kalita

ISBN 13 : 978-93-55383-57-0

ISBN 10 : 9355383576

E-ISBN 13 : 978-93-55383-57-0

Edition : First

Pages : 244

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 440.00

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

Condition Type : New

Country Origin : India

Product Description

Computer Aided Machine Drawing Practice

Computer Aided Machine Drawing Practice offers a comprehensive guide into the world of computer-aided design (CAD) with a focus on machine drawing. As technology evolves, the importance of CAD in the fields of mechanical engineering, automotive design and manufacturing is paramount. This book serves as an essential resource for students and professionals in these domains. Starting with the basics of AutoCAD, the book gradually introduces the reader to its intricacies, with practical insights into 2D and 3D modelling.

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.
- This book is not just an academic tool, but a bridge to the professional world of machine drawing design, making it a must-have for anyone stepping into the realm

of computer-aided design

Table Of Contents

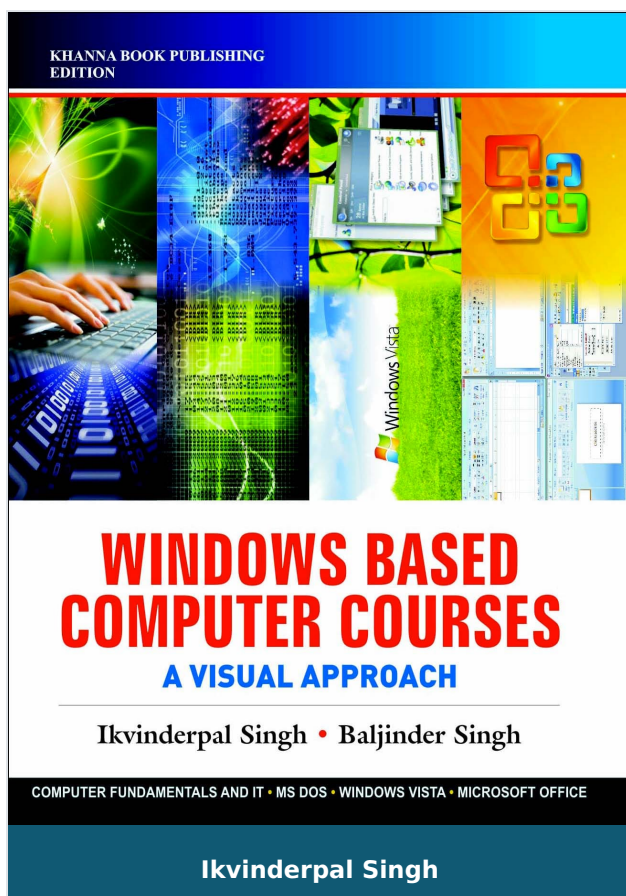
- Foreword
- Acknowledgement
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- Outcome Based Education
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- Guidelines for Students
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- Index

Author

Kanak Kalita

Dr. Kanak Kalita Associate Professor, Dept. of Mechanical Engineering (ME), Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, Tamil

Nadu



Windows Based Computer Courses

Author : Ikvinderpal Singh

ISBN 13 : 978-93-81068-35-9

ISBN 10 : 9381068356

E-ISBN 13 : 978-93-81068-35-9

Edition : First

Pages : 1000

Type of book : Physical

Year : 2011

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 435.00

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

Condition Type : New

Country Origin : India

Product Description

This book is meant for a wide range of readers who wish to learn the basic concepts of computer fundamentals, MS DOS, window vista and Microsoft office 2003. In this book we cover all basic concepts of first year computer courses of various Indian Universities in a systematic and simplified manner. While writing this book, it was kept in mind to include only the relevant topics so that it is useful both for learning and reference purpose.

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- Computer Fundamentals And Information Technology
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- Windows Vista
- Microsoft Office 2003
- Microsoft Word 2003
- Microsoft Excel 2003
- Microsoft PowerPoint 2003
- Microsoft Access 2003

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.



Case Studies in Construction Project Management

Author : K. B. Rajoria, H. K. Srivastava

ISBN 13 : 978-93-56389-36-7

ISBN 10 : 9789355389367

E-ISBN 13 : 978-93-56389-36-7

Edition : 1

Pages : 240

Type of book : Physical

Year : 2025

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 399.00

Categories : [Civil Engineering, New Arrivals, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Case studies in this book show how project were completed because of initiatives and out-of- the -box thinking.

This book is to provide young architects and engineers insight into evolving innovates solution in dealing with complex situations that during implementation of construction projects.

Majority of cases reflect personal experience of the authors in their professional career.

Engineering profession is difficult and exciting as solutions are to be found at each & every stage of the project.

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- Capital of Arunachal Pradesh.
- Pasighat Township Projects.
- Sansdiya Soundh (Parliament Secretariat Extension Building) at Delhi.
- Re Settlement Colonies of Delhi.
- Water Research Centre Project at Bagdad (Iraq).
- Hotel at Mosul (Iraq).
- Water Treatment Plant at Dibis (Iraq).
- Regularized Unauthorized Colonies of East Delhi.
- Quality Systems for Vasant Kunj Housing Project at Delhi.
- Strengthening of Foundation for a Housing Project at Delhi.
- O P D Block at LNJP Hospital Complex
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- Parliament Library Building (Sansdiya Gyanpeetha).
- Delhi Technological University complex.
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- Loni Road Flyover with Precast Prestressed Girders.
- Punjabi Bagh Flyover at Delhi.
- AIIMS and Dhaula Kuan Flyover Project at Delhi.
- Flyovers with Precast Segmental Technology on Ring Road and Outer Ring Road at Delhi.
- Flyovers with Steel Fabrication Technology on Ring Road at Delhi.
- Use of Fly Ash for Approaches to Nizamuddin Bridge, Delhi.
- Extension and Strengthening of Runway at Port Blair Airport, Andaman and Nicobar Islands.
- Underpass at Madhuban Chowk on Outer Ring Road, Delhi.
- The Signature Bridge on River Yamuna.

Author

K. B. Rajoria

K. B. RAJORIA K B Rajoria did BE (Hons) in Civil Engineering from MBA Engineering College, Jodhpur in 1961 and ME (Gold Medallist) , in Soil Mechanics and Foundation Engineering from Indian Institute of Technology Roorkee in 1963. He was also a faculty member in this Institute. He joined Central PWD in 1963, and worked in different capacities in the Government including hill road project in Nepal, prestigious Parliament Secretariat Building in New Delhi, several building and hill road projects in Arunachal Pradesh, Water Research Center Project at Bagdad (Iraq), projects for Delhi Development Authority etc. He worked at the Government of Delhi where projects to his credit include Delhi College of Engineering, Hospital Projects, Delhi Secretariat Building and a number of flyover projects. He was promoted as Engineer-in- Chief Government of Delhi. He was bestowed with important honorary positions such as Presidents, Indian Buildings Congress, President, and Indian Roads Congress as also Chairman, Quality and Safety Forum, the Institution of Engineers. He was awarded Gold Medal for outstanding services in Arunachal Pradesh, Certificate of Outstanding Achievements by Govt. of Delhi and Award for 'Outstanding Engineer' by the Institution of Engineers. He has published several

technical papers in professional journals and authored books on various aspects of construction. A book titled; "ISO 9000 Practices in Construction" authored by him has been published recently.

H. K. Srivastava

H. K. SRIVASTAVA H K Srivastava did B Tech (Hons) in Civil Engineering in 1969, and Masters in Structures in 1971, both from IIT Kharagpur. He joined faculty at IIT, BHU for one year prior to joining CPWD in 1972. He worked in different capacities for more than 38 years from Assistant Executive Engineer to Additional DG, CPWD. H K Srivastava has worked in different geographical areas as well as across different organizational cultures within the country and abroad. Worked on road project in Arunachal Pradesh, East-West Highway Project Nepal, Delhi PWD, Indo Bangla Border Road Project and Rural Roads for PMGSY. He has carried out design of multi storied building at Delhi, as also bridges in Nepal and West Bengal. He experience of working for Ministry of Finance real estate investments for Income tax purposes, and as also with NBCC on projects in Iraq at Kirkuk, Mosul and Baghdad during mid-eighties. He is a member of various professional bodies. He has a number of technical papers to his credit. As an active member to Humane Resource Development Committee of IRC, he has been closely associated with the development of 'Guidelines on Skill development of Workmen in Road Sector (IRC:128-2019).