

Jeeva Jose

Introduction to Machine Learning Using Python

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Product Description

Salient features of this book: 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.

Topics Covered in this Book

Chapter 1. Introduction to Machine Learning

Chapter 2. Regression

Chapter 3. Classification

Chapter 4. Cluster Analysis

Chapter 5. Advanced Multivariate Analysis

Chapter 6. Semi-supervised, Reinforcement & Active Learning

Chapter 7. Deep Learning

Chapter 8. Introduction to TensorFlow

Chapter 9. Regression using TensorFlow

Chapter 10. Artificial Neural Networks using TensorFlow

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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.

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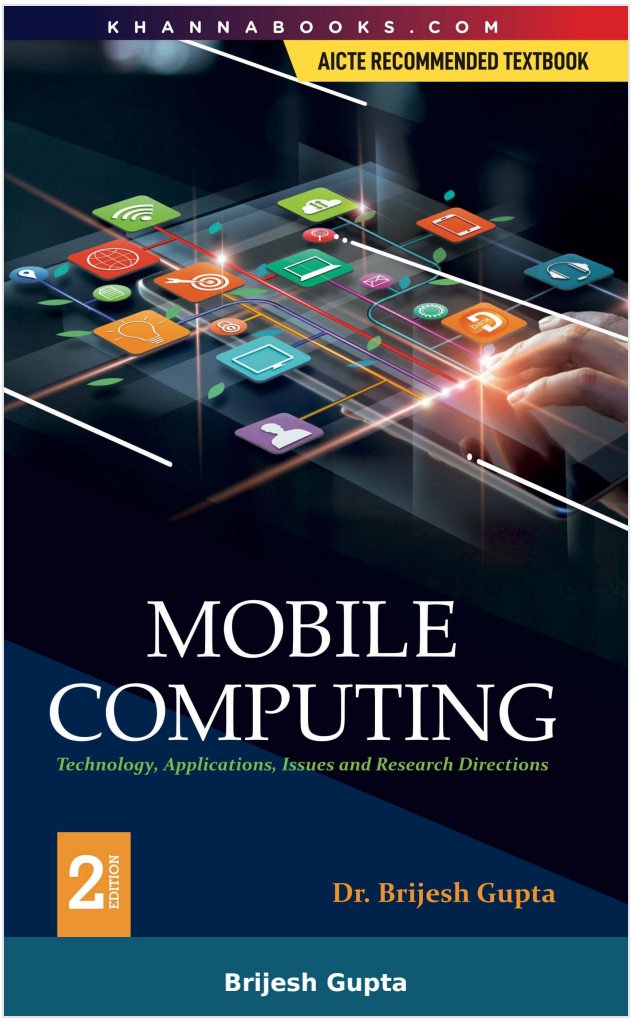

Mobile Computing

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Product Description

Mobile computing is rapidly becoming a way of life. This is the fastest emerging field, which has created a need for new techniques and solutions. To fulfill need of the hour, this book is designed for graduate and postgraduate students in B. Tech. computer science & Information Technology, computer applications, research scholars and for professionals.

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Table Of Contents

- Introduction
- Mobile Data Management
- Location Management
- Transaction management
- AD Hoc Networks
- Question Bank

Author

Brijesh Gupta

Dr. Brijesh Gupta Dr. Brijesh Kr. Gupta is currently serving as Professor and Head n the Department of MCA at Galgotias College in Engineering & Technology, Greater Noida. He joined teaching Profession in 1991 after his Post Graduation. He has 22 years of teaching, research and administrative experience at various levels in Indian Education System. He served in Ministry of Defense, Govt. of India as a Civilian Officer. To carry out his research work in the area of High Speed Communications, he enrolled himself at Indian Institute of Technology-Roorkee, India in Jan., 1999. He has worked on two major research projects sponsored by U.G.C. New Delhi, and A.I.C.T.E., New-Delhi and completed them successfully. He has served in reputed technical institutes of U.P. Technical University (GBTU & MTU), Lucknow since 2003, after completing his Ph.D.

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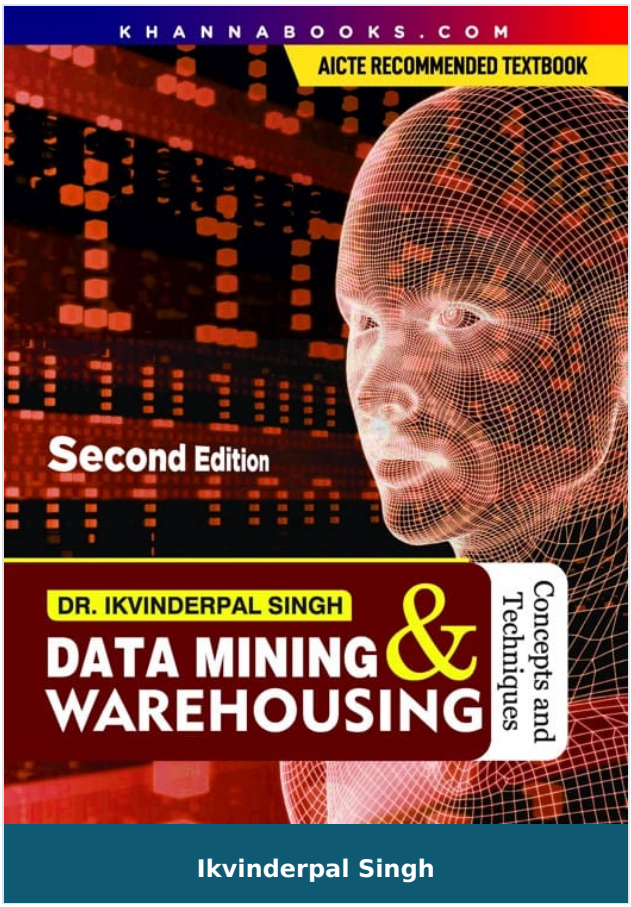

Data Mining & Warehousing

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Product Description

This book has numerous features that make it a winner, The order of topics is very logical, The choice of topics is quite appropriate for a comprehensive introductory book. The subject matter is logically structured, with chapters covering essential components of the data mining and warehousing field. The sequence of topics is well planned to provide a seamless transition from design to implementation. Within each chapter, the continuity of topics is excellent. The figures appropriately enhance and amplify the topics. The exercises can be found at the end of each chapter.

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Table Of Contents

- Data Warehousing
- Multidimensional Data Model
- Data Warehousing Architecture
- Online Analytical Processing
- Data Warehouse Implementation
- Data Warehouse Back-End tools And Utilities
- Data Mining
- Applications And Trends In Data Mining

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.

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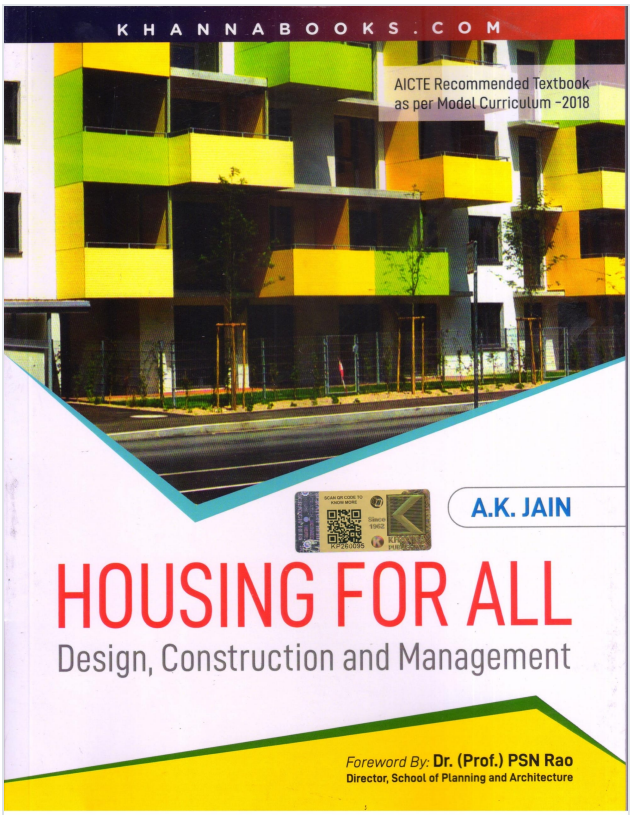

A.K. Jain

Housing for All

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Product Description

This book titled “Housing for All: Design, Construction and Management” by A.K. Jain is a comprehensive assessment of the housing situation in India which not only traces the path taken by (governments so far but also outlines a roadmap for the future. The book begins with an overview of the housing scenario in India. It discusses various housing program and draws a distinction between affordable housing and adequate housing. The book also draws particular attention to housing issues of special groups such as the elderly, disabled, homeless, migrant and transit workers, students and single women. There is also a discussion on the issue of social and physical infrastructure. The book notes that housing units alone do not constitute housing but infrastructure plays a critical role in the occupancy of housing. The question of reducing the cost of housing has been vexatious for long. Jain deals with this issue in detail and suggests various low-cost technologies and house building systems for making housing more affordable. Another issue is that of rental housing. Jain suggests that giving a boost to rental housing through a slew of measures can go a long way in making housing more accessible and bring vacant housing into the market.

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Table Of Contents

- An Overview of India’s Housing Scenario
- Housing Programmes
- Affordable and Adequate Housing;
- Housing Design;
- Rural Housing
- Slum Rehabilitation and Community Development
- Housing Renewal and Redevelopment
- Shelter for Elderly, Disabled, Homeless, Migrants, Women and Students;
- Housing Amenities, Facilities and Services;
- Building Resources and Technology;
- Building and Housing Systems;
- Rental Housing
- Land for Housing;
- Housing Finance
- Housing Management Strategies;
- Regulatory Reforms for Housing;
- Bibliography

Author

A.K. Jain

A.K. Jain, as Commissioner (Planning) Delhi Development Authority worked on the Master Plan for Delhi-2021, National Urban Housing and Habital Policy, National Urban Transport Policy and various urban projects. He was a member of the Committee Constituted by the Ministry of Urban Development, GOI to review the statute of the Delhi Development

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Authority vis-a-vis the changing urban scenario and new policy initiatives. As a member of editorial Board of International Journal of Environmental Studies (UK) and is author of several books on urban development and management. He is visiting faculty at Delhi School of Planning and Architecture and other Institutes. He was awarded 2nd Urban Professional Award 2014 at World Urban Forum in Medellin, Colombia in recognition of being an exemplary city changer. Union Minister for Urban Development hourured him with IBC Lifetime Achievement Award (2016).

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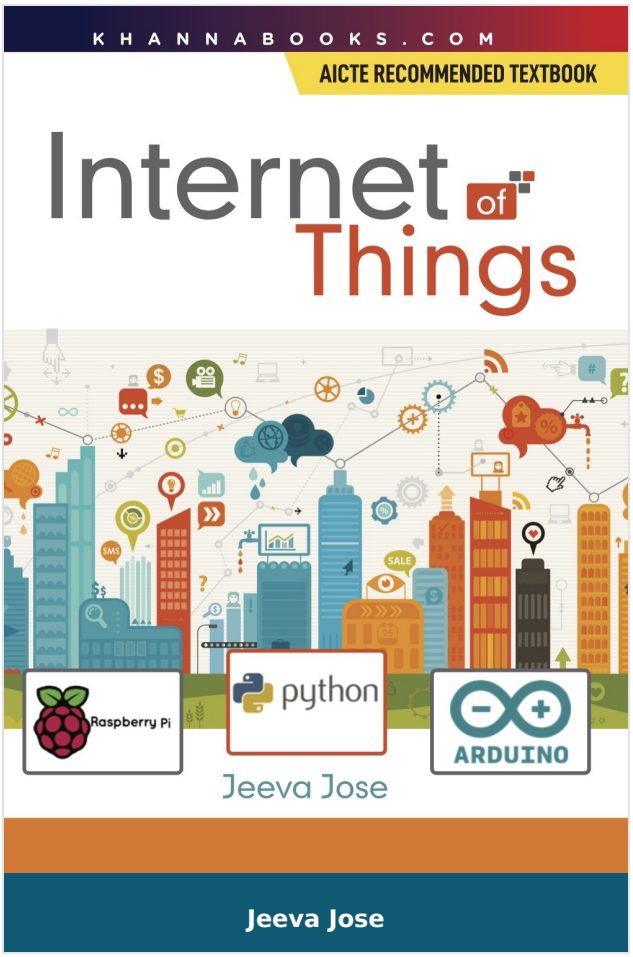

Internet of Things

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Product Description

Internet of Things (IoT) is a network comprising of machines, vehicles, home appliances, computers, micro controllers, sensors and actuators supported by application software and protocols. The study of IoT is the detailed understanding of these components. As per the estimates, by 2020 the connected things in IoT network will outnumber human beings in earth. Practical applications of IoT Technology is in every area like agriculture, construction management, health care, energy, transportation, education etc. The opportunity in business and job for IoT is increasing day by day.

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Table Of Contents

- Chapter-1: Introduction to Internet of Things
- Chapter-2: IOT Networking
- Chapter-3: Connectivity Technologies
- Chapter-4: Wireless Sensor Networks
- Chapter-5: UAV Networks & M2M Communication
- Chapter-6: Programming with Arduino
- Chapter-7: Introduction to Python Programming
- Chapter-8: IoT implementation with Raspberry Pi
- Chapter-9: Software Defined Networking
- Chapter-10: Cloud Computing
- Chapter-11: Sensor cloud
- Chapter-12: Fog Computing
- Chapter-13: Smart Homes
- Chapter-14: Smart Grids
- Chapter-15: Smart Cities
- Chapter-16: Connected vehicles
- Chapter-17: Industrial IoT

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.

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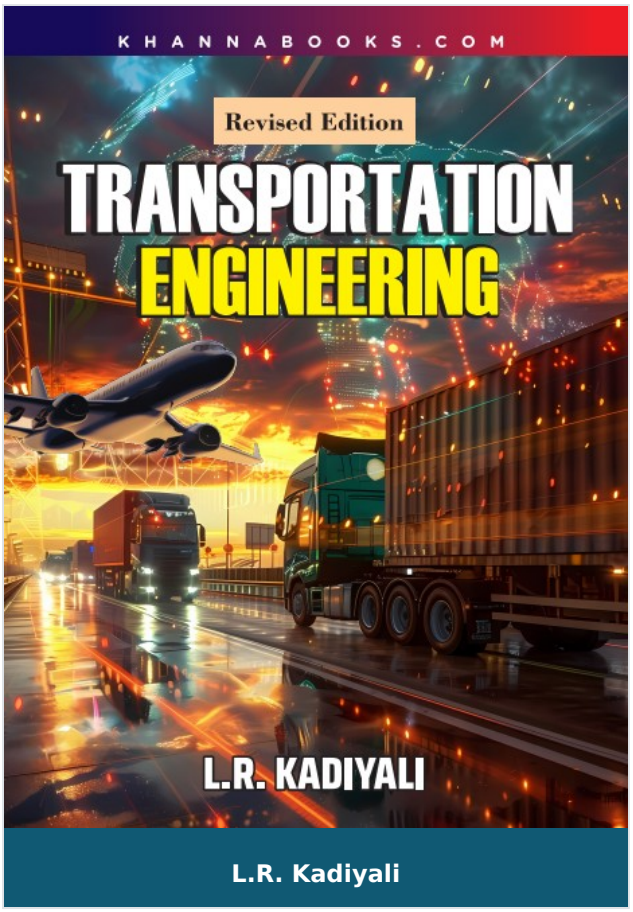

L.R. Kadiyali

Transportation Engineering

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Product Description

India's Transport System has several deficiencies such as inadequate capacity, poor safety record, emission of pollutants and outmoded technology. But as the economy is poised for a big growth in the coming years transportation engineers will have to come up with innovative ideas.

The book addresses these issues and it is hoped that the engineering students studying transportation engineering will have a clear idea of the problems involved and how they transportation engineering will have a clear idea of the problems involved and how they can be overcome in their professional career. This book has been designed keeping in mind the latest syllabi of all major Indian Universities.

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Table Of Contents

- SECTION-1: TRANSPORTATION SYSTEMS AND PLANNING
- Introduction
- Role of Transport in Society
- Modes of Transport and Criteria for Choice
- Transport Planning
- SECTION-2: HIGHWAY ENGINEERING
- History of Growth of Highways
- Development of Roads in India After Independence
- Geometric Design
- Surveys, Investigations and Project Preparation
- Embankment Design and Construction
- Highway Drainage
- Cross Drainage Structures
- Types of Pavements and Factors Governing Pavement Design
- Design of Flexible Pavement
- Design of Rigid Pavements
- Pavement Materials
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- Highway Administration and Finance
- Traffic Engineering
- SECTION-3: RAILWAY ENGINEERING
- Introduction to Railway Engineering
- Railway Technology
- Role of Railways
- History of Growth of Railways in India
- Surveys and Project Preparation
- Geometric Design of Railway Track
- The Permanent Way
- Point and Crossings
- Signalling and Traffic Control
- Traction and traction Resistance
- Stations, Yards and Station Equipment
- Construction of a Railway Line
- Maintenance of a Railway Line
- Track Renewal
- Bridges and Tunnels
- Rail Accidents
- Modern Technological Advances
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- Belt Conveyors
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- Planning for Water Transportation Facilities
- Harbours
- Lock Entrance
- Docks
- Transit Sheds, Warehouses and Cargo Handling Facilities
- Inland Water Transport
- SECTION-7: MULTI-MODAL TRANSPORT
- Multi-Modal Transport

Author

L.R. Kadiyali

L.R. Kadiyali Dr. L.R.Kadiyali is B.E.(Hons.), from Bombay and pursued Ph.D. from Kakatiya University.He has done P.G. diploma in Highway and Traffic Engineering from Newcastle-Upon-Tyne. He is Formerly Chief Engineer, (Roads Wig), Ministry of Road Transport & Highways, New Delhi and Study Director, Road User Coast Study, Central Road Research Institute New Delhi.

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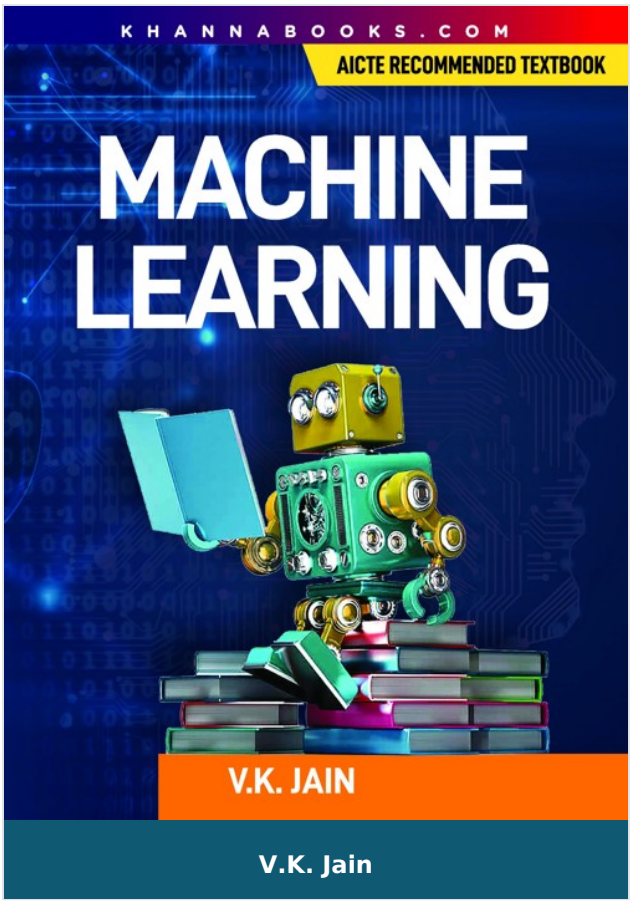

V.K. Jain

Machine Learning

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Product Description

Machine Learning employs techniques and theories drawn from many fields within the broad areas of mathematics, statistics, information science, and computer science, in particular from the sud-domains of machine learning, classification, cluster analysis, data mining, database, and visualization.

Machine learning is perhaps the hottest thing in Silicon Valley right now, especially deep learning. We have Google's class on Tensor Flow, which teaches you everything you need to know to work in Silicon Valley's top companies. The reason why it is so hot is because it can take over many repetitive, mindless tasks. It'll make doctor better doctors, and lawyers better lawyers and it makes cars drive themselves.

For example, when you're booking a taxi, you're shown how much the trip would cost. Or when you're on the trip, you're shown the path the taxi would take to reach your destination. While booking a ride on Uber, you're always told the amount of time the trip would take and how much it would cost. All of that, is Machine Learning!

The overall goal of this book "Machine Learning" is to provide a broad understanding of various faces of Machine Learning environment in an integrated manner. It covers the syllabi of all technical universities in India and aboard.

The first edition of this book is also been awarded by AICTE and placed in AICTE's latest Model Curriculum in Engineering & Technology as well as Emerging Technology.

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Table Of Contents

- Supervised Learning (Regression/Classification)
- Unsupervised Learning
- Evaluating Machine Learning Algorithms and Model Selection
- Sparse Modelling and Estimation
- Scalable Machine Learning (Online and Distributed Learning)
- Unsupervised Learning
- Annexure 1: Working With R Programming Languages

Author

V.K. Jain

Dr. V.K. Jain is a well known practical engineer who has authored more than 125 books on engineering, management and subjects related with computer science. He obtained degree in Electrical Engineering in 1966 from MACT (Maulana Azad College of Technology) Bhopal. He did M. Tech. in 1968 from MACT and HEL (Now Bharat Heavy Electricals) Bhopal in Design and Production of Heavy Electrical Equipments, an Industry Oriented course run under the sponsorship of UNESCO under Vikram University Ujjain in 1968. He was attached to Electronics Application Engineering Department of BHEL. He presented a thesis on ""Analysis of the performance of speed and excitation regulation System using fast acting integrator type AVR for a large Hydro-generator (15 MW). This was concerned with studying power system from the viewpoint of electronic control systems (based on Nyquist Criteria) through Analog and Digital Computer at one of the premier Institution of India IIT (Indian Institutue of Technology) Kanpur. He personally prepared digital computer program in FORTRAN IV as early as in year 1968 at IIT Kanpur and compiled it on IBM 7044 Main Frame Computer, The fastest Computer in India at that

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time. He joined CPWD as Electrical Engineer on 20.5.1968 on basis of All India Competitive Examination for Central Electrical Engineering Services (Now known as IES) through Union Public Service Commission of India and served CPWD for 35 years. After retirement he worked with M/s CP Kukreja as consultat engineer for nearly one and half years and at present working as Chief Consultant Engineer with M/s Hospitech Management Consultant Pvt. Limited WTC New Delhi and engaged in designing most modern E/M, Electronic services and IBMS in premier Medical colleges and Big Hospital systems including AIIMS at Raipur and Patna.

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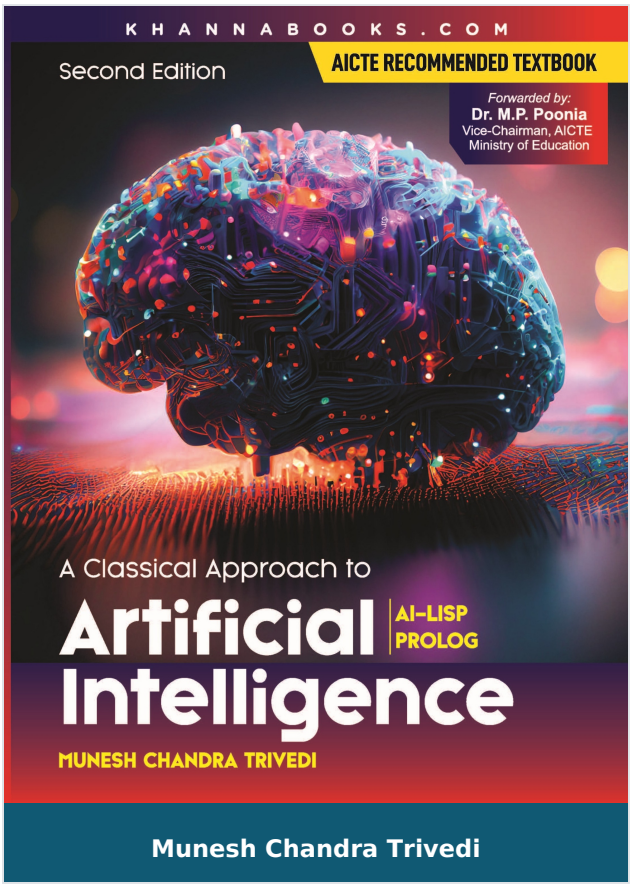

A Classical Approach to Artificial Intelligence | AICTE Recommended Textbook

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Product Description

There are many books available in the market on the proposed topic but none of them can be termed as comprehensive. Besides, students face many problems in understanding the language of this books. Keeping these points in mind, Artificial Intelligence was prepared, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and universities.

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Table Of Contents

- Overview of Artificial Intelligence
- Problem Solving and Search
- Search Methods
- Problem Solving in Games (Adversarial Search)
- Understanding Natural Languages
- Knowledge Representation
- Techniques of Knowledge Representation
- Expert System
- Pattern Recognition
- Computer Vision
- Computer Vision Representations
- Common Sense
- Programming Languages

Author

Munesh Chandra Trivedi

Dr. Munesh Chandra Trivedi has more than 20 years of experience in the field of computer science & Engineering and has worked in Prestigious Institutions. He has more than 10 years' experience in various administrative responsibilities e.g., Dean (academics), Head of Department, TEQIP-111 Coordinator, PG coordinator, EDC cell Coordinator. Currently working Tripura, India, and Associate Professor and HoD (IT), Rajkiya Engineering College, Azamgarh, up (state Govt Institution of UP) with the additional responsibility of Dean Academics of the institute & Associate Dean UG Programs, Dr. APJ Abdul Kalam Technical University, Lucknow (State Technical

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University). He was also the Director (In-charge) at Rajkiya Engineering College, Azamgarh. He had successfully filed 81 patents (65 National and 16 International Patents (Germany, South Africa, and Australia)), out of which 40 patents were granted. He has published 12 textbooks and 168 research papers in different International Journals and proceedings of repute. He has also edited 38 books for springer Nature. He successfully supervised 14 PhD students and received numerous awards, including the Young scientist Visiting Fellowship, Albert Einstein Research scientist Award, Best senior Faculty Award, Outstanding Scientist, Dronacharya Award, Author of the Year, and vigyan Ratan award from different national, as well as international forums. He has organized more than 32 international conferences technically sponsored by IEEE, ACM, AND Springer. Dr.

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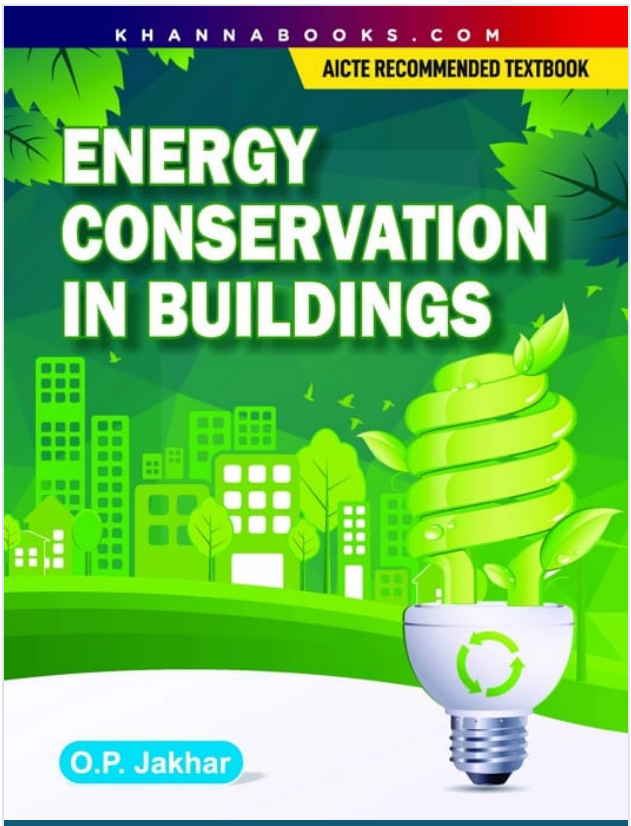

O.P. Jakhar

Energy Conservation in Buildings

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Product Description

This book has the basic motive to guide the postgraduate and research students working in the field of energy conservation. This is to cater the strong need felt by the students pursuing the course on energy Conservation in Buildings during their M. Tech. and PhD studies. I have tried to compress the subject matter from the view point of research students. The different simulation techniques, such as Power DOC-2, BSIM 2000, e-Quest, which are extensively used in the energy conservation in buildings, have been added for quick references.

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Table Of Contents

- Chapter-1: Introduction
- Chapter-2: History of Energy Conservation in Building
- Chapter-3: Simulation Techniques of Energy Conservation in Building
- Chapter-4: Passive System of Energy Conservation in Buildings
- Chapter-5: Passive cooling Methods for Building in Hot and Dry Climate
- Chapter-6: Energy Auditing and Radiation Cooling of Building in hot and Dry Climate
- Reference

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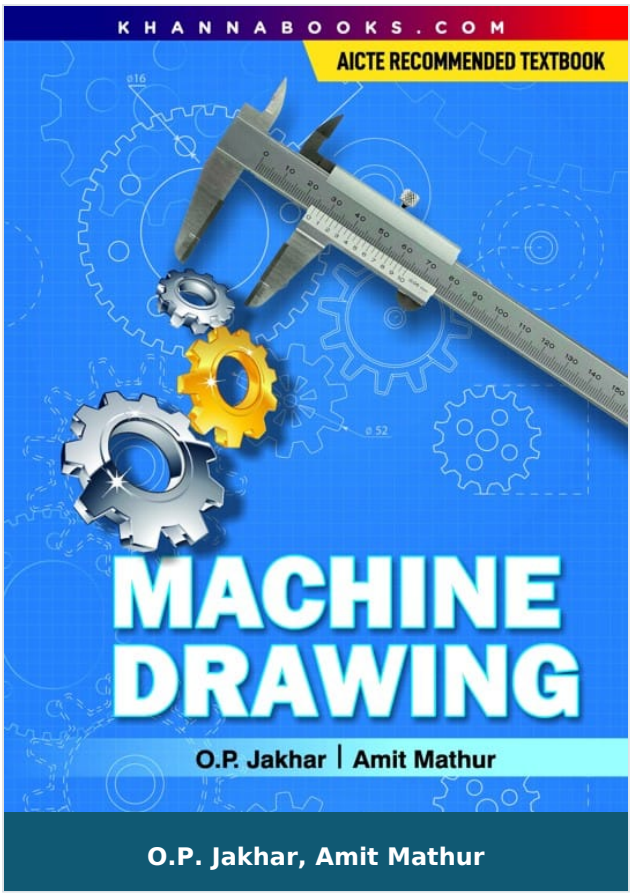

Machine Drawing

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Product Description

This book is Designed for the students of Engineering and Technology as well as specially for Mechanical Engineering Degree and Diploma students. The teaching of this course faces difficulty in explaining the various concept of machine drawing viz., orthographical projection, sectioning, complicated mechanical assembly drawing etc. Sometimes explanation requires some three dimensional and complicated drawing to be drawn on the black board which is quite impossible due to the time constraint of class.

This book is an outcome of the strong need felt by students offering the course and the teaching need felt by us. The teacher can explain the related concepts, drawing methods and uses of various parts being drawn etc. in each practical class without bothering the black board.

The subject matter has been compressed from the view point of Mechanical Engineering students.

The book also contains Basic Drawing Softwares which describes about the basics of Auto-CAD, CATIA, PROE, ANSYS etc. which is useful for today's need of Engineering & Technology.

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Table Of Contents

- Basic of Machine Drawing
- Sectional Views
- Rivets and Riveted Joints
- Screw Threads and Fasteners
- Bearings & Shaft Coupling
- Assembly Drawing
- Power Transmission Drives
- Basics Drawing Softwares

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