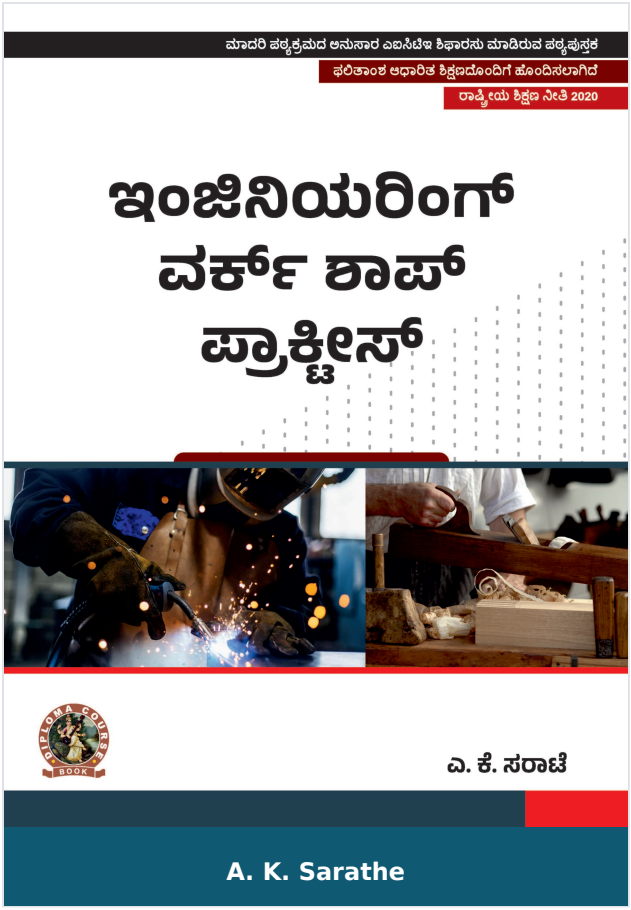

Engineering Workshop Practice

Author :	A. K. Sarathe
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Condition Type :	New
Country Origin :	India

Product Description

“ Engineering Workshop Practice Manual” is a common paper for the first year Diploma 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.

Engineering Workshop Practice manual covers five units- First unit deals with the carpentry, second unit is about fitting , third unit focuses on welding, fourth units discusses about sheet metal working and the fifth unit deals with electrical house wiring . The manual comprises of total seventeen workshop practical from P1 to P17 and the same are arranged in hierarchical manner from simple to complex so that students should not only focus on completing the practical and getting the marks/ grades but will also be motivated to create useful products incorporating their creative and critical thinking as well.

Some salient features of the book:

1. Content of the manual aligned with the mapping of Course Outcomes, Programs Outcomes and practical outcomes.

2. Relevant theory has been included at the beginning of each practical.

3. The manual has been developed to ensure alignment with the Outcome Based Education philosophy and consisting of total seventeen workshop practical.

4. Unit wise practical are arranged in hierarchical manner from simple to complex.

5. Manual provides recent information and QR Code for E-resources etc.

6. Figures, photographs and table are inserted to improve clarity of the content.

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Author

A. K. Sarathe

A. K. Sarathe

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Concrete Technology: Theory and Practice

Author :	Sasankasekhar Mandal, Vishwajit Anand, Sushil Kumar Agarwala
ISBN 13 :	978-93-55382-65-8
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Product Description

Concrete Technology: Theory and Practice

This book is intended to provide students and professionals, a deep understanding of concrete technology. It explains the fundamental concepts, material characteristics and related laboratory experiments on concrete and its ingredients. It also includes latest relevant provisions of Indian standards such as IS 456, IS 10262, IS 383, IS 2386 and IS 516.

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.

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- Quality Control of Concrete and Concreting Operations
- Admixtures and Types of Special Concrete
- Laboratory Tests on Concrete and its Ingredients
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- Index

Author

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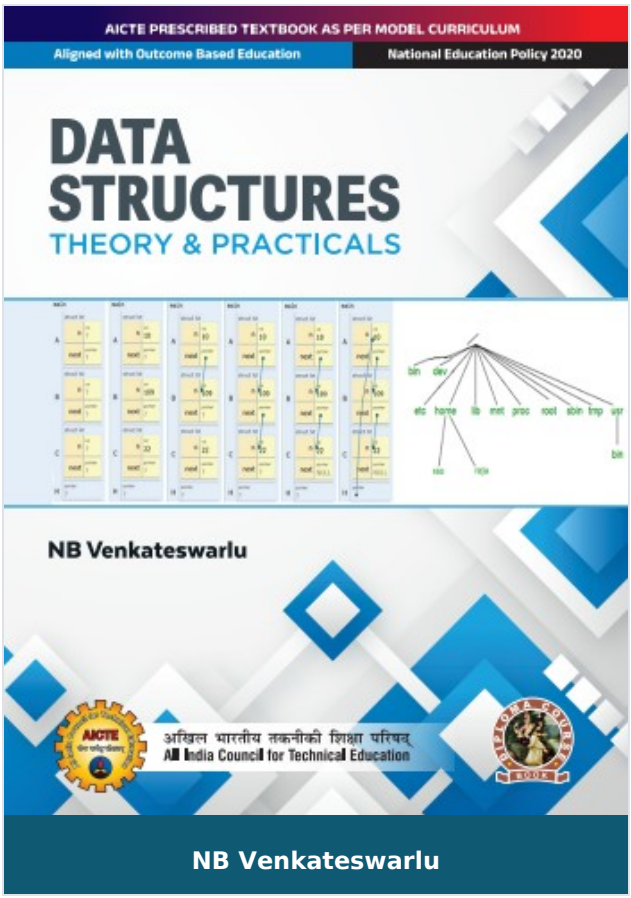

Data Structures: Theory & Practicals

Author :	NB Venkateswarlu
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M.R.P :	Rs 598.00
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Condition Type :	New
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Product Description

Data Structures: Theory & Practicals

This book introduces data structures to the reader. Data structures is one of the vital courses in computer science, information technology curriculum across various programs. This book introduces how to write programs of design the algorithms that utilizes available CPU time and RAM (memory) in the most optimal manner. Concepts such ads data abstraction, stacks, queues, linked lists, binary trees, graphs are introduced in the lucid manner along with practical examples. The content of this book is very much aligned with the 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 chapter.

- Solved and unsolved problems including numerical examples are solved with systematic steps.

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- Linked Lists.
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- List of Appendices
- Co and Po Attainment Table

Author

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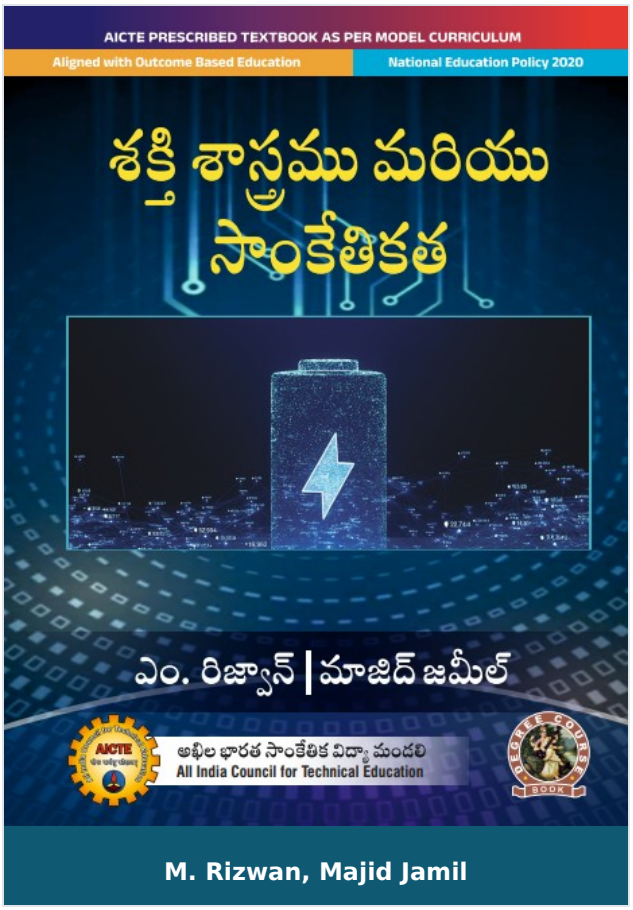

Energy Science and Engineering

Author :	M. Rizwan, Majid Jamil
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Set of Two Books (Cyber Crime & Cyber Attacks)

Author :	Debtoru Chatterjee
ISBN 13 :	978-93-55383-81-5
ISBN 10 :	9355383818
E-ISBN 13 :	978-93-55383-81-5
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Product Description

Set of Two Books (Cyber Crime and Its Prevention in Easy Steps & Cyber Attacks and Counter-Measures Made Simple)

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Author

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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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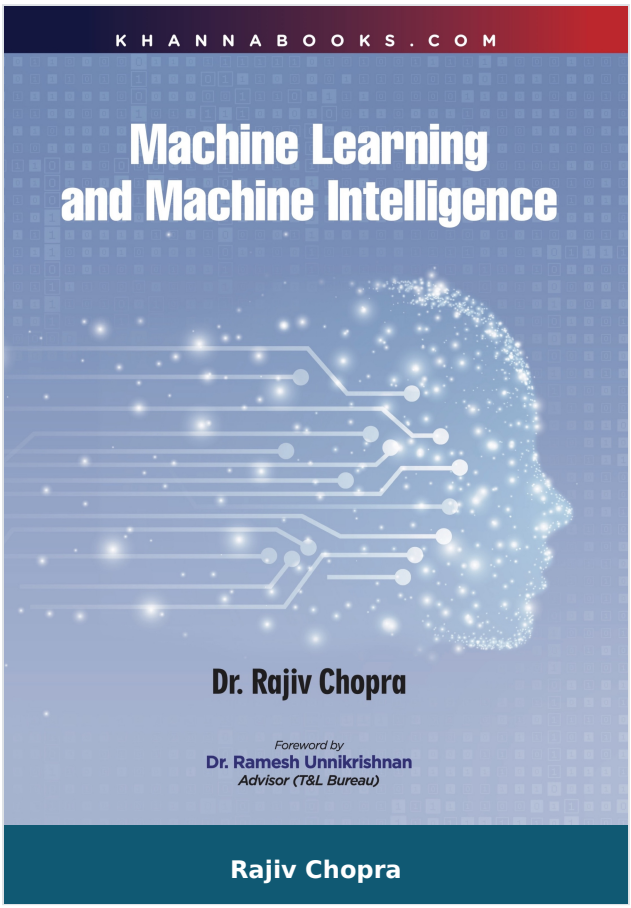

Machine Learning And Machine Intelligence

Author :	Rajiv Chopra
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Product Description

Machine learning and Machine Intelligence is a complete book to read and perform practical in computer labs. Just reading theory cannot make you perform the practical(S). The present book is the composition of both, for the convenience of the students. Many of the Degrees or Diplomas or Certification Programs are being conducted in Machine Learning and Machine Intelligence fields. But it has become difficult for software companies to separate chaff from the grain. This book is an excellent guide for aspiring Data Science professionals and a valuable resource bank to perform experiments in AIDS and AIML branches.

Salient Feature:

1. Includes numerous illustrative examples to understand and perform the practical easily.

2. Demonstrates every experiment in a systematic and good programming style.

3. Students of all branches- B.E/ B. Tech. in CSE/IT/ECE, B. Tech. in AIML Branch, B. Tech. In AIDS Branches as well as B. Tech in CS (DS) and CS (ML) branches will be benefitted from this art.

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Author

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Dr. Rajiv Chopra has a Doctorate in Computer Science from Banasthali VidyaPith University. The author is M. Tech. in Information Technology from GGSIPU, Delhi. He did BE (CSE) from SDM College of Engg. and Technology, Dharwad and MIT from MAHE. He is working as an Associate Professor in CSE Department at Guru Tegh Bahadur Institute of Information Technology, GGSIPU Delhi. As an educator he has contributed to 21 research

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publications in Refereed, cited International Conferences and International Journals and attended 21 conferences, workshops, FDPs and seminars. He is a prolific author with 26 Text and Reference books to his credit,for B. Tech. (CSE/IT), M. Tech. (CSE/IT), BCA, MCA and other courses of different Universities of India.

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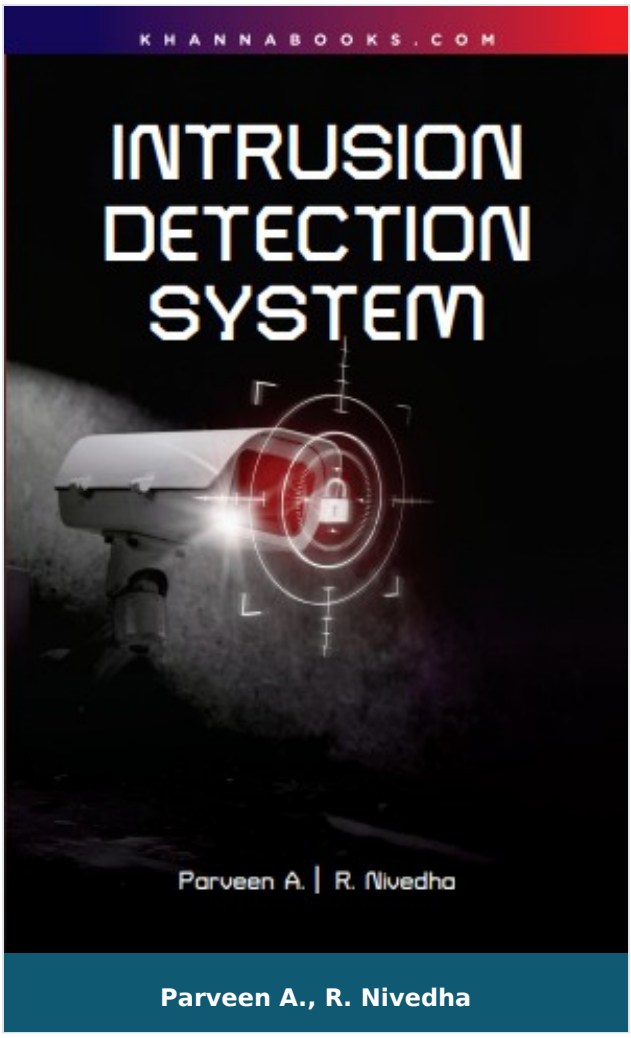

Parveen A., R. Nivedha

Intrusion Detection Systems

Author :	Parveen A., R. Nivedha
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Product Description

Intrusion Detection Systems

"INTRUSION DETECTION SYSTEMS" offers a comprehensive and vital resource for navigating the rapidly evolving domain of cybersecurity. Written in an academic yet accessible tone, this book provides a thorough introduction to Intrusion Detection Systems (IDS), exploring their historical evolution, foundational concepts, and critical role in protecting modern digital environments. The core purpose of this text is to bridge the gap between theoretical knowledge and real-world application, equipping readers with the expertise to implement robust security strategies against increasingly sophisticated threats.

The book highlights the transformative impact of Machine Learning (ML) and Artificial Intelligence (AI) on IDS, detailing deep learning approaches, ML models for anomaly detection, and feature engineering techniques. It goes beyond traditional methods to address the unique challenges of securing emerging technologies such as the Internet of Things (IoT), cloud-based networks, and blockchain. Furthermore, it delves into advanced techniques like fuzzy logic, genetic algorithms, hybrid models, and real-time IDS using big data analytics.

This indispensable guide is meticulously structured with five units and includes detailed case studies, making it an essential text for its target audience: students seeking foundational knowledge, professionals looking to upgrade their deployment strategies, and researchers exploring open challenges like adversarial ML attacks and autonomous IDS development. It serves as a definitive roadmap for enhancing network resilience against the ever-changing cyber threat landscape.

Salient Features:

- **Core IDS Fundamentals**: Explore the history, evolution, and foundational principles of IDS. Compare signature-based, anomaly-based, and hybrid models, and understand key evaluation metrics like TPR and FPR.
- **AI-Driven Detection**: Master the use of Machine Learning and Deep Learning, including CNNs and LSTMs, to enhance anomaly detection capabilities and prepare large-scale datasets for modern IDS.
- **Securing New Frontiers:** Learn to design and implement specialized IDS for emerging technologies like IoT, cloud computing, and blockchain. Focus on lightweight solutions for resource-constrained mobile and edge environments.
- **Advanced Threat Mitigation**: Investigate cutting-edge techniques such as fuzzy logic and genetic algorithms in IDS. Understand hybrid models, distributed architectures, and real-time big data analytics for large-scale networks.
- **Future Resilience & Research**: Analyze emerging threats and explore future trends like autonomous and self-healing IDS. Study the defense against adversarial ML attacks and the strategic integration with SIEM systems.
- **Real-World Application**: Apply theoretical knowledge through five detailed case studies, including enterprise deployment, advanced financial institution solutions, and securing smart city infrastructure.
- **Defense Architecture**: Clearly differentiate between the passive monitoring role of Intrusion Detection Systems (IDS) and the proactive blocking function of Intrusion Prevention Systems (IPS) in modern security.

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- IDS for Emerging Technologies
- Advanced Techniques and Hybrid Models
- Future Trends and Research Challenges

Author

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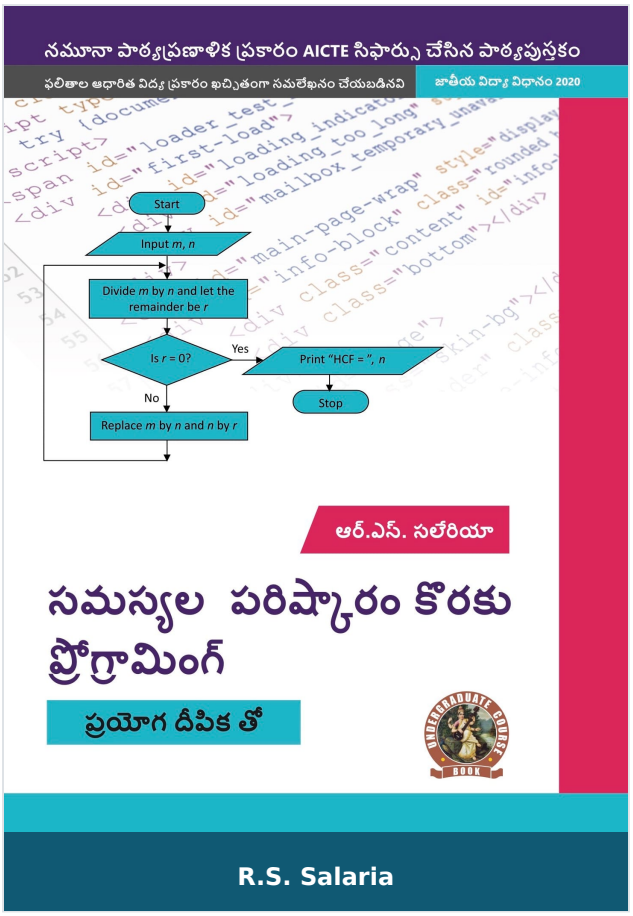

Programming for Problem Solving (with Lab Manual)

Author :	R.S. Salaria
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E-ISBN 13 :	978-93-91505-56-1
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Product Description

This textbook is designed as per the model curriculum of AICTE for the first year students of all branches of undergraduate program in Engineering & Technology (BE/B. Tech). The subject of programming for problem Solving aims at developing problem solving skills among the students and the skills to create programs in C language for their implementation. This book emphasizes to empower the students to grasp the skills required for problem solving and to develop deep understanding of the constructs of C language. These aspects of the subject are well illustrated through enormous solved programming problems.

Salient Features:

1. Simple and lucid language that enables students to grasp the subject.
2. Demonstrates the elegant programming style.
3. 165+ ready to run programs for reference and to illustrate the program development process.
4. 135+ Short answer type questions to provide an opportunity for self-assessment of the fundamental concepts learned by answering them precisely.
5. 165+ multiple choice questions to provide an opportunity to synthesize the fundamental concepts.
6. 90+ Programming problems to provide an opportunity to harness programming skills.

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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

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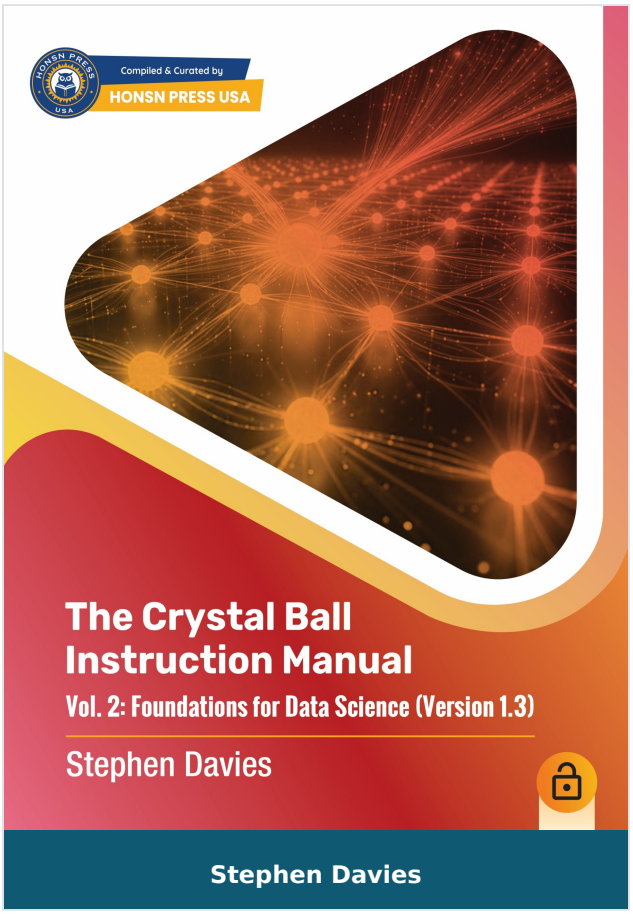

The Crystal Ball Instruction Manual (Vol.2: Foundations for Data Science, Verson 1.3) (HONSN PRESS USA)

Author :	Stephen Davies
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Product Description

The Crystal Ball Instruction Manual, Volume Two: Foundations for Data Science, is the essential next step for learners ready to move beyond introductory concepts and establish mastery in the field. Designed for intermediate students, aspiring professionals, and researchers who have a working knowledge of foundational Python programming, this volume solidifies the core knowledge and practical skills necessary to build a robust data science skill set. It assumes a base level of competency, offering a swift review of essential concepts like statistical significance, exploratory data analysis (EDA) fundamentals, and classification/regression principles.

The book's core theme is hands-on implementation, leveraging the Python ecosystem—including the Spyder IDE, NumPy, and Pandas—to tackle real-world data challenges. Its practical value is delivered through in-depth coverage of crucial data acquisition and wrangling techniques, such as parsing complex JSON and HTML using screen scraping, accessing databases, and data fusion to integrate multiple sources. It extends EDA with advanced visualization methods like heat maps and box plots, while simultaneously providing a solid grounding in machine learning principles like Naïve Bayes and kNN classification, along with essential pre-modeling steps like feature selection and association analysis.

Salient Features

• Foundational Data Principles: Reviews and solidifies core concepts like statistical significance, the crucial distinction between association and causality, and fundamental machine learning terminology.

• Advanced Data Exploration: Extends Exploratory Data Analysis (EDA) skills with detailed instruction on Kernel Density Estimates (KDEs), various distribution plots, and bivariate categorical analysis.

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• Real-World Data Acquisition: Provides practical techniques for collecting and structuring disparate data, including parsing complex JSON files, performing screen scraping (HTML), and directly accessing databases (SQLite).

• Effective Data Wrangling: Focuses on combining and restructuring data using techniques like data fusion, merging tables, and transforming datasets between long, wide, and the modern "tidy" form.

• Practical ML Algorithms: Delivers hands-on instruction for fundamental classification algorithms, including thorough multipart coverage of the Naïve Bayes classifier and the k-Nearest Neighbors (kNN) method.

• Statistical Modeling Insights: Covers probabilistic reasoning, the concepts of the prior and posterior, and the practical application of the LOWESS non-parametric local regression smoothing algorithm.

• Essential Pre-Modeling Techniques: Dedicated chapters explore critical preparatory steps such as feature selection to improve model performance and association analysis (like market basket analysis).

• Integrated Python Environment: Instructions are explicitly integrated with the Spyder IDE within the Anaconda distribution, ensuring seamless, hands-on application using industry-standard Python libraries.

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- kNN (2 of 2)
- Two key ML Principles
- Feature Selection
- Association Analysis
- "Special" Data types

Author

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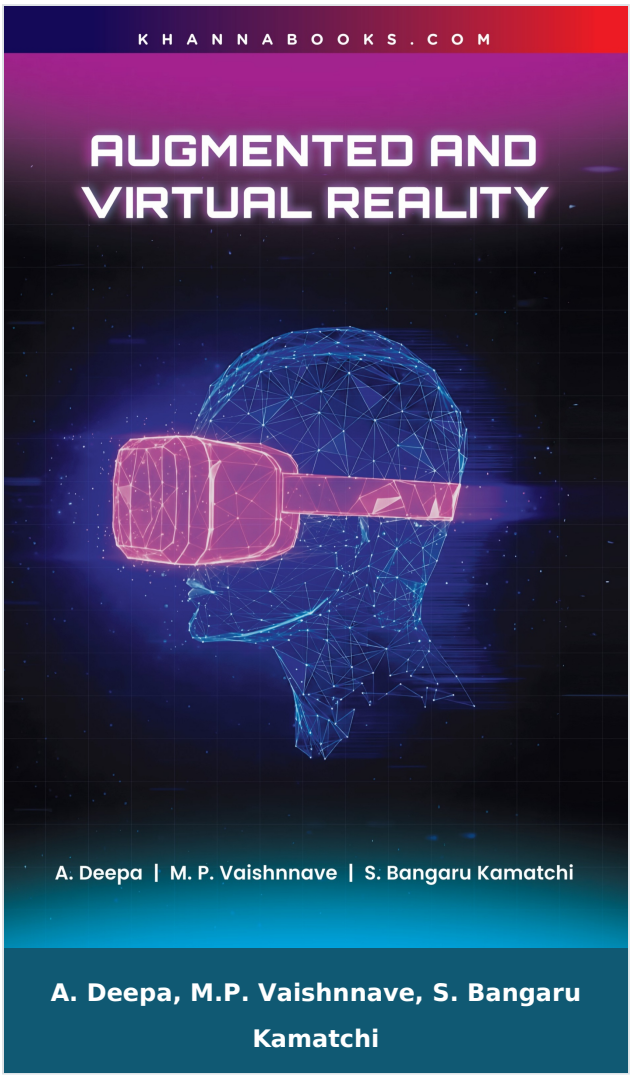

Augmented and Virtual Reality

Author :	A. Deepa, M.P. Vaishnnave, S. Bangaru Kamatchi
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Product Description

This book serves as a comprehensive guide to mastering the rapidly evolving world of Augmented Reality (AR) and Virtual Reality (VR), technologies that are fundamentally reshaping human-computer interaction. Designed to bridge the gap between theoretical knowledge and practical implementation, the core purpose of this text is to equip readers with the foundational concepts and hands-on expertise necessary to design, develop, and deploy functional AR/VR applications.

The journey begins with an exploration of the historical evolution, scope, and key distinctions of AR/VR, including the critical concepts of Immersion vs. Presence. It quickly progresses to essential design principles, focusing heavily on User Experience (UX), graphical metaphors, and prototyping within immersive environments. The practical value of this book is demonstrated through detailed instructional units on Unity, the industry-leading development platform, and its integration with the powerful AR toolset, Vuforia. Readers will gain proficiency in scripting, handling Unity Physics (Colliders and Rigidbodies), and creating interactive 3D experiences, culminating in a case study on real-time application development.

This resource is ideally intended for students, developers, designers, and enthusiasts seeking a strong, structured foothold in the AR/VR domain. It is an essential tool for those looking to harness these transformative technologies for applications across gaming, healthcare, education, and manufacturing.

Salient Features:

• Foundational Concepts: Covers the historical evolution, definitions, and scope of AR/VR, including multimodal displays and the key differentiation between Strong vs. Weak AR and Immersion vs. Presence.

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• Interaction Design: Dedicated focus on User Experience (UX) guidelines, perception, and cognition. It details how to design for user needs, apply Affordances, and perform prototype evaluation in AR/VR environments.

• Unity Development: Provides a comprehensive overview of the Unity platform, covering its interface, navigation, asset management, hierarchy, and fundamental scripting concepts using MonoBehaviours.

• Vuforia and AR: Explores the Vuforia development engine, detailing its features, setup process, and practical use for implementing Image Targeting and custom image recognition in AR applications.

• Scripting and Physics: Offers in-depth coverage of introductory and advanced scripting, focusing on manipulating components and programming interactions. It also introduces essential concepts of Unity Physics.

• Advanced Interactivity: Explains crucial implementation details like creating Trigger Events, using Colliders and Rigidbodies, and navigating world space for both objects and the user in the virtual environment.

• Real-World Applications: A final unit presents a Case Study on building a complete, real-time application using AR and VR, with applications demonstrated across fields like Education, Healthcare, and Retail.

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