

# **Deep Learning and Neural Networks**

**Author:** Munesh Chandra Trivedi

**ISBN 13:** 978-93-55383-98-3

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Edition: 1

**Pages:** 172

**Type of book :** Paperback

Weight (g): 270.00

**Year:** 2025

**Language:** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 298.00

**Categories :** Emerging Technologies

**Condition Type:** New

Country Origin: India



#### **Product Description**

The focus on the theory, algorithms, implementations and practical applications of deep learning and neural networks makes An Insight into Deep Learning and Neural Networks useful for students of Computer Science and mathematics. The book introduces neural networks starting with a quick tour of the very first ANN architectures, then covering topics such as training nets, recurrent neural networks, and reinforcement learning. Where possible, an application -centric view is highlighted to provide an understanding of the practical uses of each class of techniques. Students of Computer Science and other related natural sciences will find it easy -to- read textbook, excellent for self -study, a high school level Knowledge of mathematics being the only pre-requisite to understand the material. Salient Features of the Book: 1. The language is simple and easily understandable. 2. Includes hands-on approach for learning the subject. 3. Simple and intuitive discussions of neural networks and deep learning. 4. Provides mathematical details without losing the reader in complexity. 5. Include exercises and examples. 6. Discusses both traditional neural networks and recent deep learning models. 7. Covers both classical and modern models in deep learning. 8. An application-centric view is highlighted to provide an understanding of the practical uses of each class of techniques. 9. Greater focus is placed on modern deep learning ideas such as attention mechanisms, transformers, and pretrained language models.

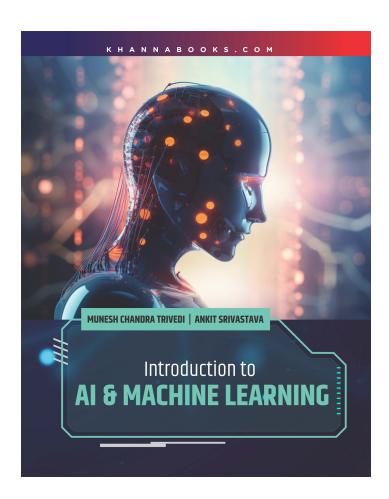
#### **Table of Contents**

**Chapter 1:** Information Flow in a Neural Network, Understanding Basic Structure and ANN. **Chapter 2:** Training a Neural Network, How to Determine Hidden Layers, Recurrent Neural Network. **Chapter 3:** Convolution Neural Network, Image Classification and CNN. **chapter 4:** RNN and LSTMs, Applications of RNNs in Real World. **Chapter 5:** Creating and Deploying Networks using Tensor Flow and Keras.

#### **Authors**

**MUNESH CHANDRA TRIVEDI NANDITA GOYAL** 





# Introduction to AI & Machine Learning

**Author:** Ankit Srivastava

**ISBN 13:** 978-93-55386-88-5

**ISBN 10:** 93-55386-88-5

**E-ISBN 13:** 978-93-55386-88-5

Edition: 1

**Pages:** 336

**Type of book :** Paperback

Weight (g): 500.00

**Year:** 2025

**Language :** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 495.00

**Categories :** Emerging Technologies

**Condition Type:** New

Country Origin: India



#### **Product Description**

INTRODUCTION TO AI & MACHINE LEARNING "Introduction to AI and Machine Learning" is a comprehensive guide designed for readers who are new to the fields of artificial intelligence (AI) and machine learning (ML) The book aims to demystify these valuable insights for those with some foundation Knowledge. This book is ideal for students and educators seeking a thorough introduction to AI and ML. By the end of the book, readers will have a solid understanding of the fundamental concepts of AI and ML and will be able to write basic AI and ML programs using python. KEY FEATURES OF THE BOOK 1. Simple Language: Utilizes straightforward and easily understandable language throughout the text. 2. Engaging Learning Experience: Incorporates hands -on activities to enhance the learning experience. 3. Foundational Concepts: Introduces AI and ML, covering weak vs. strong AI, machine learning methods (supervised, unsupervised and reinforcement learning), and optimization techniques. 4. Search Algorithms: Discusses Problem- solving strategies such as BFS, DFS, and A\*, with illustrations from examples like the water jug and 8- queen problems. 5. Practical Applications: Highlights real- world applications across various industries, supported by case studies and examples. 6. Hands on Approach: Offers practical exercises and coding examples using python for a better understanding of the subject.

#### **Table of Contents**

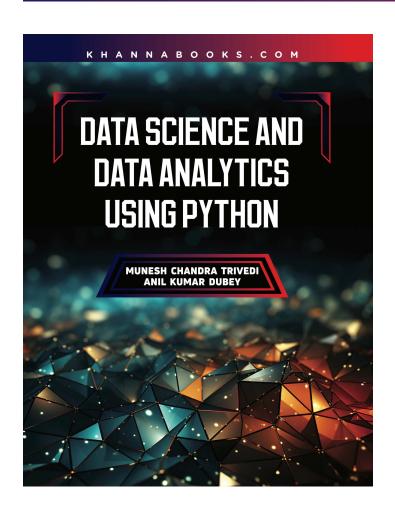
Chapter 1: Artificial Intelligence. Chapter 2: (Idea of Machine Learning). Chapter 3: Linear

Regression. Chapter 4: (Logistic Regression). Chapter 5: (Discussion on clustering). Question Bank

#### **Authors**

Munesh Chandra Trivedi Ankita Srivastava





# Data Science and Data Analytics Using Python

**Author:** Anil Kumar Dubey

**ISBN 13:** 978-93-55384-26-3

**ISBN 10:** 93-55384-26-2

**E-ISBN 13:** 978-93-55384-26-3

Edition: 1

**Pages:** 296

**Type of book :** Paperback

Weight (g): 380.00

**Year:** 2025

**Language :** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 395.00

**Categories :** Emerging Technologies

**Condition Type:** New

Country Origin: India



#### **Product Description**

The book is a comprehensive guide that delves into the fundamentals of data science and analytics, leveraging, the python programming language. The covers key topics such as data manipulation, visualization, statistical analysis, and machine learning. It includes practical examples and code snippets to help readers understand and implement various data science techniques. Designed for both beginners and experienced practitioners, it provides a thorough understanding of how to use python for effective data analysis. The book also emphasizes real-world applications making it a valuable resource for those looking to apply data science skills in various domains. SALIENT FEATLURES OF BOOK: 1. The textbook encompasses an extensive array of data science topics, including data pre-processing, visualization, statistical analysis, machine learning, with a pronounced emphasis on practical applications using python programming. 2. It integrates case studies derived from real-world scenarios alongside numerous exercises, facilitating hands-on practical experience. 3. The text provides details procedural guidance for implementing data science projects and explores various data visualization techniques utilizing libraries such as Matplotlib, Seaborne, and plotly. 4. It thoroughly examines a diverse range of machine learning algorithms and offers an introductory overview of deep learning concepts and frameworks, including Tensor flow, and Keras. 5. The textbook incorporates expert tips, bet practices, and focuses on high-demand skills, rendering it an invaluable resource for both novice and seasonal practitioners in the field of data science and analytics.

#### **Table of Contents**

**Chapter 1:** Introduction of Data Science. **Chapter 2:** Python Programming. **Chapter 3:** Numpy and Pandas Library.

Chapter 4: Scikit Learn and Scipy Library. Chapter 5: Data Manipulation. Chapter 6: Modeling Techinques.

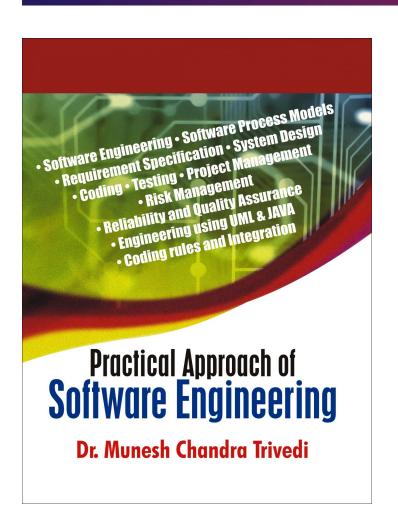
Chapter 7: Data Visualization. Chapter 8: Data Visualization. Chapter 9: Pre Processing. Chapter 10: Statistics of

Data Analytics. **Chapter 11:** Regression. **Chapter 12:** Classification.

#### **Authors**

Munesh Chandra Trivedi Anil Kumar Dubey





# **Practical Approach of Software Engineering**

**Author:** Munesh Chandra Trivedi

**ISBN 13:** 978-93-81068-14-4

**ISBN 10:** 93-81068-14-3

**E-ISBN 13:** 978-93-81068-14-4

Edition: 1

**Pages:** 292

**Type of book:** Paperback

Weight (g): 410.00

**Year:** 2014

**Language :** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 215.00

**Categories:** Computer Science Engineering

**Condition Type:** New

**Country Origin:** India

## **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 problem in understanding the language of the books, seeing these problems, it struck our mind that we should come up with a book in practical approach of software Engineering, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and Universities. What are the courses/markets for which your book could serve as a reference. Master of computer application, B. Tech (C.S.), B. Tech(I.T.), Bachelor of computer application, B.Sc./M.Sc./ (C.S.), PGDBM/MBA(I.T.)

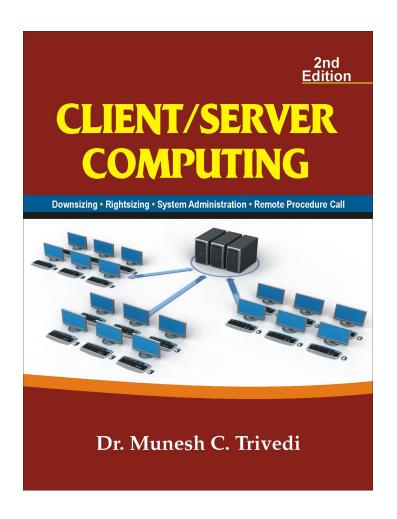


#### **Table of Contents**

Chapter 1: Introduction to Software Engineering. Chapter 2: Software Process Models. Chapter 3: Software Requirement Specification. Chapter 4: System Design. Chapter 5: Coding. Chapter 6: Testing. Chapter 7: Software Project Management. Chapter 8: Software Risk Management. Chapter 9: Software Reliability and Quality Assurance. Chapter 10: Software Engineering using UML & JAVA. Chapter 11: Programming Standards: Coding rules and Integration. Chapter 12: Annexure. Chapter 13: Lab Manual Software Engineering: Question Bank. Multiple Choice Questions Index Question Papers

#### **Author**





# **Client/Server Computing**

**Author:** Munesh Chandra Trivedi

**ISBN 13:** 978-93-80016-60-3

**ISBN 10:** 93-80016-60-3

**E-ISBN 13:** 978-93-80016-60-3

**Edition:** Second

**Pages:** 268

**Type of book :** Paperback

**Weight (g):** 360.00

**Year:** 2013

**Language :** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 195.00

**Categories :** Computer Science Engineering

**Condition Type:** New

Country Origin: India

#### **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 problem in understanding the language of the books. Seeing these problems, it struck our mind that we should come up with a book in Client/Server Computing, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and universities.



#### **Table of Contents**

**Chapter 1:** Client/Server Computing.

**Chapter 2:** Components of Client/Server Application.

**Chapter 3:** Client/Server System Development.

**Chapter 4:** Client/Server System Development Software.

**Chapter 5:** Network Interfaces.

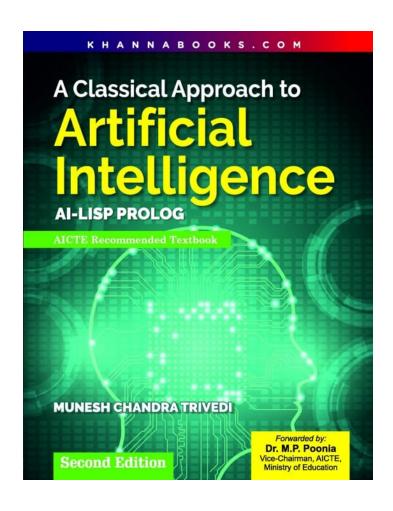
**Chapter 6:** Client/Server Systems Development.

**Chapter 7:** Client/Server Training Concepts.

Short Questions & Answers Multiple Choice Questions & Answers Client/Server Computing Question Bank Examination Papers

#### **Author**





# A Classical Approach to Artificial Intelligence | AICTE Recommended Textbook

**Author:** Munesh Chandra Trivedi

**ISBN 13:** 978-81-90698-89-4

**ISBN 10:** 81-90698-89-3

**E-ISBN 13:** 978-81-90698-89-4

**Edition:** Second

**Pages:** 540

**Type of book :** Paperback

Weight (g): 750.00

**Year:** 2025

**Language :** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 495.00

Categories: Computer Science Engineering,

**Emerging Technologies** 

**Condition Type:** New

Country Origin: India

## **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.



#### **Table of Contents**

Chapter 1: Overview of Artificial Intelligence. Chapter 2: Problem Solving and Search. Chapter 3: Search Methods.

Chapter 4: Problem Solving in Games (Adversarial Search). Chapter 5: Understanding Natural Languages. Chapter

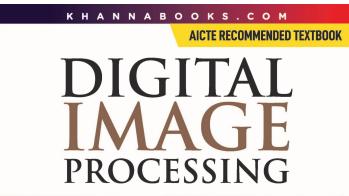
6: Knowledge Representation. Chapter 7: Techniques of Knowledge Representation. Chapter 8: Expert System.

Chapter 9: Pattern Recognition. Chapter 10: Computer Vision. Chapter 11: Computer Vision Representations.

Chapter 12: Common Sense. Chapter 13: Programming Languages.

#### **Author**







Munesh Chandra Trivedi | Dr. Sanjay M. Shah

# **Digital Image Processing**

**Author:** Munesh Chandra Trivedi

**ISBN 13:** 978-93-80016-15-3

**ISBN 10:** 93-80016-15-8

**E-ISBN 13:** 978-93-80016-15-3

Edition: 1

**Pages:** 408

**Type of book :** Paperback

Weight (g): 620.00

**Year:** 2024

**Language :** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 550.00

Categories: Computer Science Engineering,

Computer Science Engineering

**Condition Type:** New

**Country Origin:** India

## **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 problem in understanding the language of the books, seeing these problems, it struck our mind that we should come up with a book in A Classroom approach of Digital Image processing, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and Universities.



#### **Table of Contents**

Chapter 1: Introduction to Image Processing. Chapter 2: Image Enhancement in Spatial Domain. Chapter 3: Image Enhancement in Frequency Domain. Chapter 4: Image Restoration. Chapter 5: Color Image Processing. Chapter 6: Morphological Image Processing. Chapter 7: Registration. Chapter 8: Image Segmentation. Chapter 9: Feature Extraction. Chapter 10: Object Recognition. Chapter 11: Image Coding and Compression. Chapter 12: Introduction to Matlab.

#### **Author**



# System Analysis and Design



Prof. Munesh Chandra Trivedi Prof. S.S. Sarangdevot

# **System Analysis and Design**

**Author:** Munesh Chandra Trivedi

**ISBN 13:** 978-93-80016-40-5

**ISBN 10:** 93-80016-40-9

**E-ISBN 13:** 978-93-80016-40-5

Edition: 1

**Pages:** 250

**Type of book :** Paperback

Weight (g): 350.00

**Year:** 2014

**Language :** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 195.00

**Categories :** Computer Science Engineering

**Condition Type:** New

Country Origin: India

#### **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 problem in understanding the language of the books, seeing these problems, it struck our mind that we should come up with a book in System Analysis and Design, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and universities.



#### **Table of Contents**

Chapter 1: Overview of System Analysis and Design. Chapter 2: Project Selection. Chapter 3: Feasibility Study.

Chapter 4: System Requirement Specification and Analysis. Chapter 5: Modular Design and System Development.

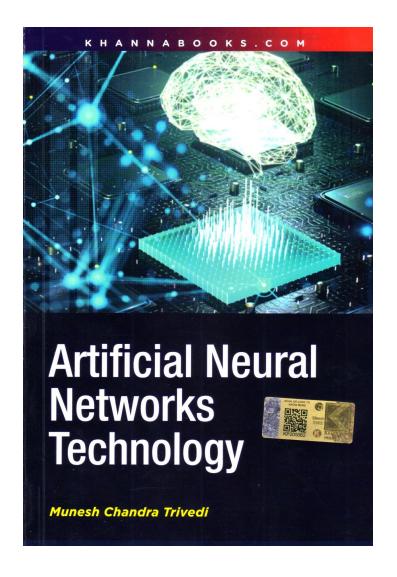
Chapter 6: Input Design and Control. Chapter 7: Output System Design. Chapter 8: Hardware and Software

Selection. Chapter 9: Hardware and Software Selection. Chapter 10: Hardware and Software Selection. Chapter

11: System Analysis and Design Overview. Chapter 12: Organizational Issues.

#### **Author**





# **Artificial Neural Networks Technology**

**Author:** Munesh Chandra Trivedi

**ISBN 13:** 978-81-90744-85-0

**ISBN 10:** 81-90744-85-2

**E-ISBN 13:** 978-81-90744-85-0

**Edition:** First

**Pages:** 362

**Type of book :** Paperback

Weight (g): 440.00

**Year:** 2025

**Language:** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 550.00

**Categories :** Computer Science Engineering

**Condition Type:** New

**Country Origin :** India

## **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 the books. Keeping these points in mind, artificial neural network Technology was prepared. which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and universities. Simple & easily understandable language. Includes real world examples to illustrate the concepts, contains latest topics such as downsizing & right sizing, etc, provides numerous illustrations, examples and end-chapter exercises.

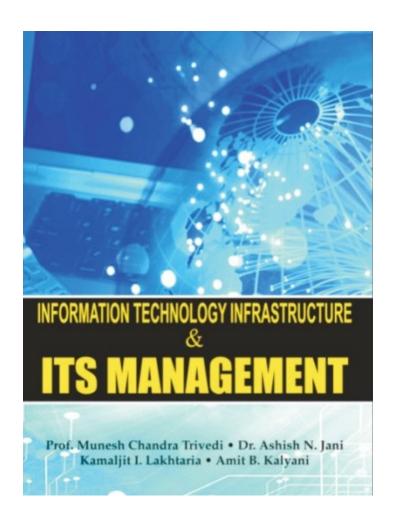


#### **Table of Contents**

Chapter 1: Introduction and Purpose. Chapter 2: What is Artificial Neural Networks. Chapter 3: Application of Artificial Neural Network Classification. Chapter 4: Supervised Learning. Chapter 5: Unsupervised Learning. Chapter 6: Models of Artificial Neural Network. Chapter 7: Network Selection. Chapter 8: How Artificial Neural Networks Are Being Used. Chapter 9: Emerging Technologies. Chapter 10: Software Architecture. Chapter 11: Network-based Application Architecture. Chapter 12: Network-based Architectural Styles. Chapter 13: Designing the Web Architecture: Problems and Insights. Chapter 14: Representational State Transfer (REST). Chapter 15: Experience and Evaluation.

#### **Author**





# Information Technology Infrastructure & Its Management

**Author:** Munesh Chandra Trivedi

**ISBN 13:** 978-93-80016-31-3

**ISBN 10:** 93-80016-31-X

**E-ISBN 13:** 978-93-80016-31-3

Edition: 1

**Pages:** 292

**Type of book :** Paperback

Weight (g): 400.00

**Year:** 2014

**Language:** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 225.00

**Categories :** Computer Science Engineering

**Condition Type:** New

Country Origin: India

## **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 problem in understanding the language of the books, seeing these problems, it struck our mind that we should come up with a book in IT infrastructure & Its management, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and universities.



#### **Table of Contents**

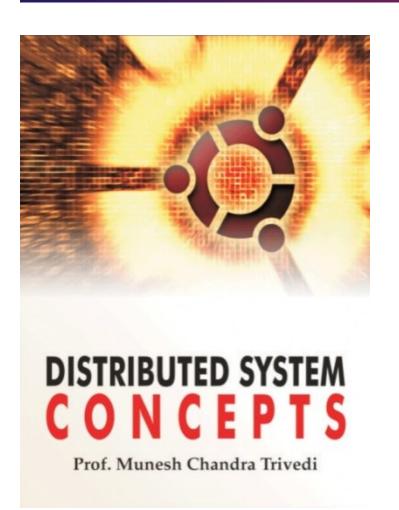
Chapter 1: Introduction to Information Technology. Chapter 2: Internet. Chapter 3: Service Support Process.

Chapter 4: Storage Management. Chapter 5: Security Management. Chapter 6: Legal Issues for E-Business.

Chapter 7: Emerging Trends in IT.

#### **Author**





# **Distributed System Concepts**

**Author:** Munesh Chandra Trivedi

**ISBN 13:** 978-93-80016-41-2

**ISBN 10:** 93-80016-41-7

**E-ISBN 13:** 978-93-80016-41-2

Edition: 1

**Pages:** 372

**Type of book :** Paperback

Weight (g): 500.00

**Year:** 2014

**Language :** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 295.00

**Categories :** Computer Science Engineering

**Condition Type:** New

Country Origin: India

## **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 problem in understanding the language of the books, seeing these problems, it struck our mind that we should come up with a book in Distributed System Concepts, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and universities.

#### **Table of Contents**

Chapter 1: Process Concept. Chapter 2: Limitation of Distributed System. Chapter 3: Distributed Deadlock
Detection. Chapter 4: Distributed File System. Chapter 5: Distributed Object and Remote Invocation. Chapter 6:
Security. Chapter 7: Transaction and Concurrency Control. Chapter 8: Distributed Transactions. Chapter 9:





#### **Author**

