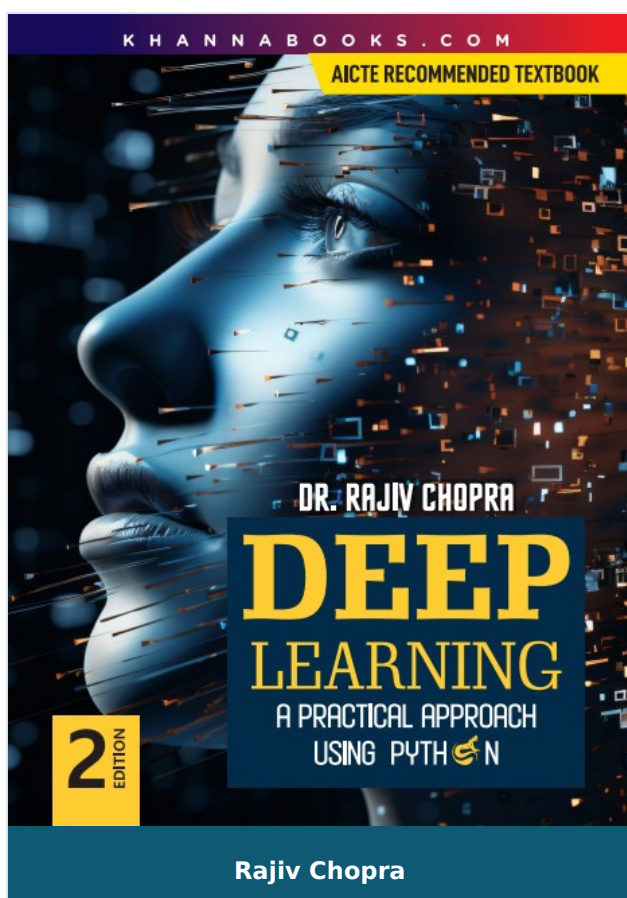




Deep Learning

Author :	Rajiv Chopra
ISBN 13 :	978-93-86173-41-6
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Publisher :	Khanna Publishing House
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Categories :	Computer Science Engineering, Emerging Technologies, Book Store
Condition Type :	New
Country Origin :	India

Product Description

A good book is like a teacher who sits behind the reader and guides him/her accordingly. Deep Learning has been an area of current research. After toiling through the various concepts of Deep Learning, the book slithers around all principles of deep learning. This book highlights in deep the concepts of deep learning so that new projects and researchers can be done. The book serves, both as textbook and as a reference book. Some of the highlights of the book are: Simple Language, Recent Concepts of Machine and Deep Learning explained, MCQ's, Conceptual Short Questions & Answers, Case Studies, Case Tools (like Tensor Flow, H2O etc.)

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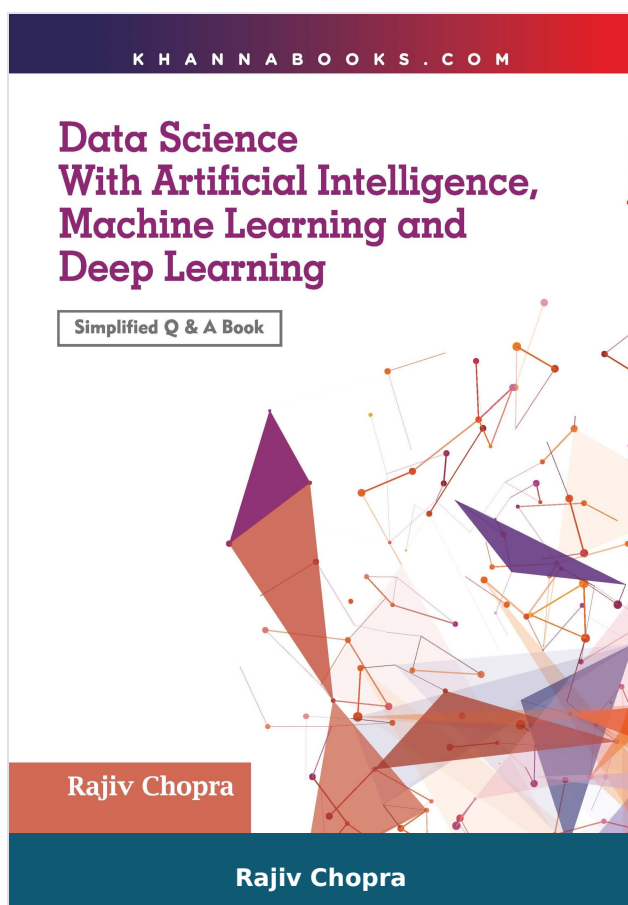
- The Neural Network (Deep Learning)
- Machine Learning Retrospective
- Deep Feedforward Networks
- Deep Learning Optimization
- Convolutional Neural Networks
- Sequence Analysis
- Practical Deep Learning
- Applications of Deep Learning
- Deep Learning Survey
- Appendix A : Glossary
- Appendix B : Model Question Papers
- Project - 1: Training ANN & Acoustic Cryptography of Computer Keyboard
- Project - 2: Cryptography Using ANNs
- References
- Index

Author

Rajiv Chopra

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 publications in Refereed, cited International Conferences and International Journals and

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Data Science with Artificial Intelligence, Machine Learning and Deep Learning

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Country Origin :	India

Product Description

The Present book takes a student from "unknown to known" and " simple to complex" principles of Data Science. This book is user-friendly, thought provoking and stimulating. It helps in clearing the cobwebs of the mind and the subject. The style used is lucid and un-adulterated. What stands out is the stark simplicity with which the ideas have been portrayed.

A good book should teach the customary and effective ways to structure your code in such a way that data engineering is not havoc. Python is an object-oriented programming language that is used in this book .

The book is divided in to 4 Units:-

Unit-1 has 15 chapters on Artificial Intelligence.

Unit-2 has 7 chapters that explain Machine Learning and IOT.

Unit-3 has 10 chapters each focusing on DEEP Learning.

Unit-4 has 1 chapter that explain Data Sciences.

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- Unit-I : Artificial Intelligence
- Introduction to AI
- Intelligent Agents
- AI Approaches
- Uninformed Search Strategies
- Informed Search
- Games Solving
- Constraint Satisfaction Problems
- Knowledge Representation
- AI Retrospectives
- Representation Knowledge
- Planning & Learning
- Uncertain Knowledge & Reasoning
- NLP
- Expert Systems
- ANNS
- Unit-II:- Machine Learning
- Introduction to ML
- Types of Learning
- Classification Families
- Learning Algorithms
- Unsupervised Learning and their Algorithms
- Reinforcement Learning and Control

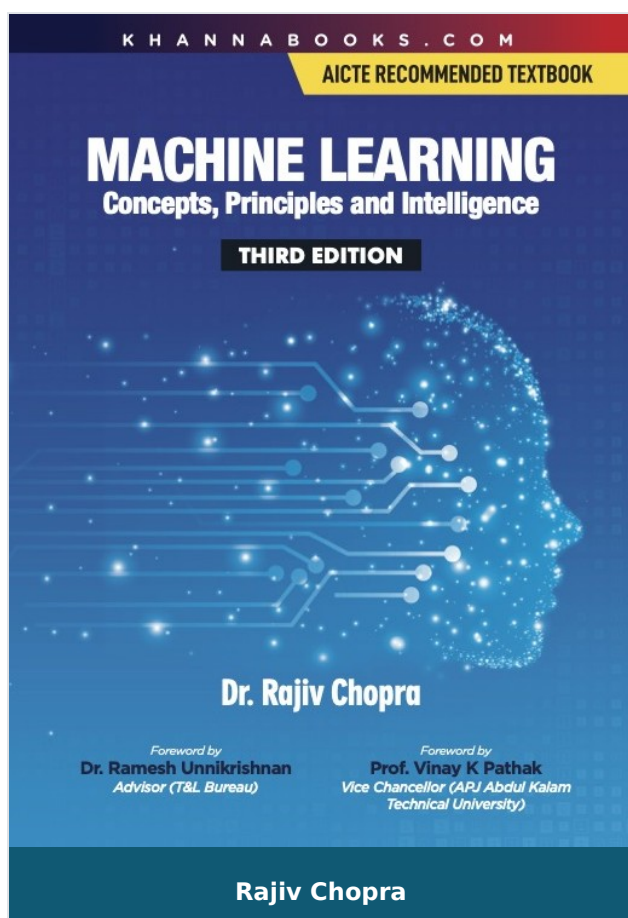
- IoT and ML
- UNIT-III :- Deep Learning
- The Neural Network (DL)
- Machine Learning Retrospective
- Deep feed forward Networks
- Deep Learning Optimization
- CNNs
- Sequence Analysis
- Practical Deep Learning
- Applications of Deep Learning
- Deep Learning Survey
- Roses are Red, Violets are Blue, Deep Learning Can Recognize Objects for you.
- UIT IV: Data Science
- Data Science
- Glossary
- Model Question Papers
- References

Author

Rajiv Chopra

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 publications in Refereed, cited International Conferences and International Journals and

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Machine Learning (Concepts, Principles and Intelligence)

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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.

| SALIANT FEATURES |

- Includes numerous illustrative examples to understand and perform the practical easily.
- Demonstrates every experiment in a systematic and good programming style.
- 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.

Table Of Contents

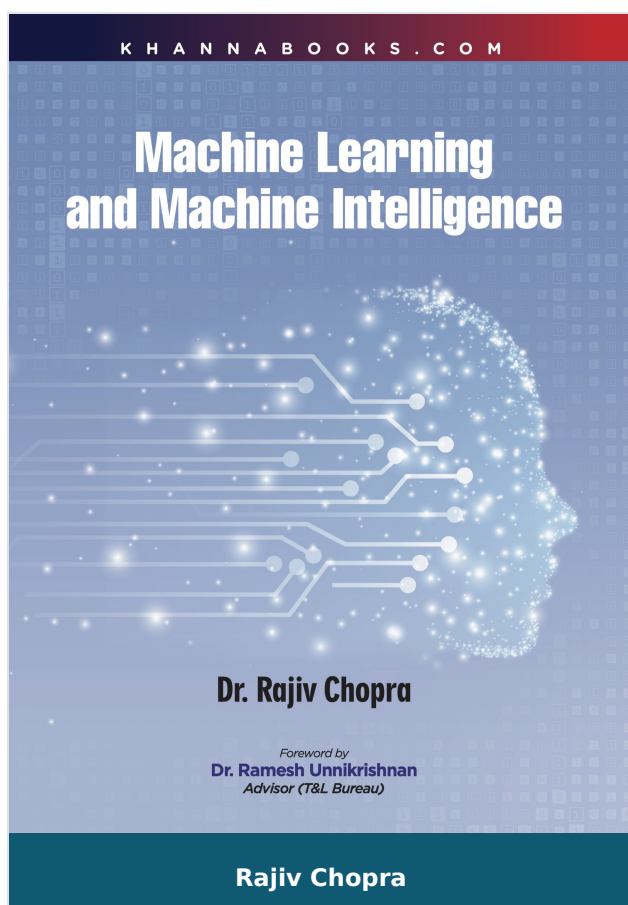
- Introduction to Machine Learning and Deep Learning
- Types of Learning
- Classification Families
- Learning Algorithms
- Unsupervised Learning and their Algorithms
- Reinforcement Learning and Control
- IOT and Machine Learning
- Project-1: Object Detection and Smudging Using Gradient Descent
- Project-2: Spam Filtering based on Text Classification Using Machine Learning Algorithms
- Appendices-A: Glossary
- Appendices-B: End Term. Question Paper
- Lab Manual of Machine Learning
- Suggested list of ML Projects
- References
- Index

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Machine Learning And Machine Intelligence

Author :	Rajiv Chopra
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Year :	2024
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 498.00
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Condition Type :	New
Country Origin :	India

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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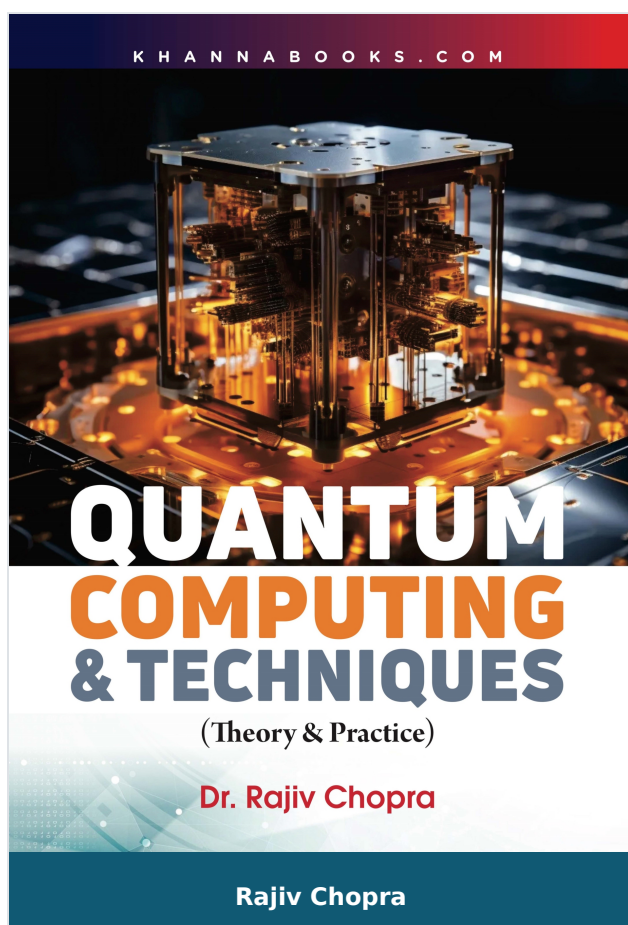
- Introduction to Machine and Deep learning
- Types of Learning
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- Project 2: Spam Filtering based on Text Classification Using Machine Learning Algorithms.
- Appendices-A: Glossary
- Appendices-B: Some Important Question for Revision
- Lab Manual of Machine Learning
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Quantum Computing & Techniques (Theory & Practice)

Author :	Rajiv Chopra
ISBN 13 :	978-93-55384-23-2
ISBN 10 :	9355384238
E-ISBN 13 :	978-93-55384-23-2
Edition :	1
Pages :	386
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 598.00
Categories :	Emerging Technologies, Book Store
Condition Type :	New
Country Origin :	India

Product Description

QUANTUM COMPUTING & TECHNIQUES

(THEORY & PRACTICE)

1. A Valuable Resource: This well-regarded book is full of important information and is praised in the field of Quantum Computing.
2. Fun Learning: The book makes complex topics enjoyable, helping readers learn in a joyful way.
3. Bridging the Knowledge Gap: It helps readers go from not knowing much about Quantum Computing to understanding it well, breaking down difficult ideas.
4. Clear Understanding: It removes confusion and shines light on the topic, giving reader's confidence in what they learn.
5. Simple and Clear: Despite its complex topic, the book is easy to understand and straightforward.
6. Course Friendly: The content is designed to match the study programs of many universities in India and beyond.
7. Thorough and Detailed: The book explains topics thoroughly, making sure everything is easy to grasp.
8. Curriculum- Aligned: It is aimed at B.E. /B. Tech. students in fields like Computer Science, IT, Electronic engineering, and more.
9. Research Gateway: This book is useful for students, teachers, and researchers opening doors for new ideas in quantum computing.
10. Assessment Tools: Each chapter includes multiple- choice questions with answers, as well as short questions and exercises that match current exam patterns.

11. Illustrative Approach: The book has many examples to help readers apply what they learn in practical labs.

12. Hands-On Learning: All lab exercises are tested with the IBM Qiskit Toolkit, ensuring they work well in Practice.

13. Fueling Intellectual Curiosity: This book sparks interest in those wanting to become quantum engineers, deepening their understanding of Quantum Technologies.

Dive into the exciting world of quantum computing, where complex ideas become clear, and curiosity leads to deep understanding!

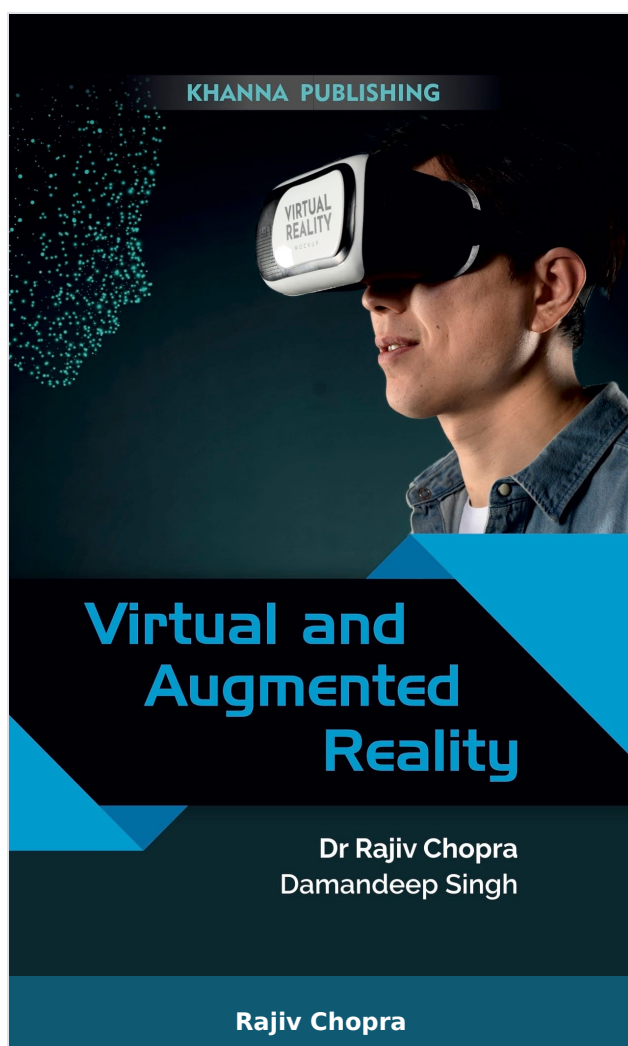
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- Quantum Computing and its Components.
- Math Foundation for Quantum Computing.
- Quantum Circuits Design.
- Quantum Algorithms.
- Computational Lower Bound Complexity for Quantum Circuits.
- Quantum Error Correction.
- Quantum Cryptography.
- Appendix:
- Experiments in Quantum Computing Lab. (using Python).
- Index

Author

Rajiv Chopra

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 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.



Virtual and Augmented Reality

Author :	Rajiv Chopra
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Type of book :	Physical
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 199.00
Categories :	Emerging Technologies, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Tapping the full power of virtual and augmented reality need not be very difficult. This book on Virtual and Augmented Reality is written according to the students who have learned computer graphics and multimedia but want to take their skills to the next level. VR and AR book demonstrates techniques that allow you to analyze how virtual reality is covering almost all aspects of our life. the increasing penetration of VR and AR gives rise to some new strategic queries. Using VR, many companies have satisfied their customers to 95% World giants like GE, Mayo Clinic and the US Navy, are using VR and AR to improve productivity, quality and training. By concatenating the benefits of humans and machines, AR will dramatically increase the value creation.

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- Introduction to Virtual Reality
- Geometric Modelling
- Virtual Environment
- VR Hardware and Software
- VR Application
- Appendix: Deep Learning with Virtual Reality
- References
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Author

Rajiv Chopra

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 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.