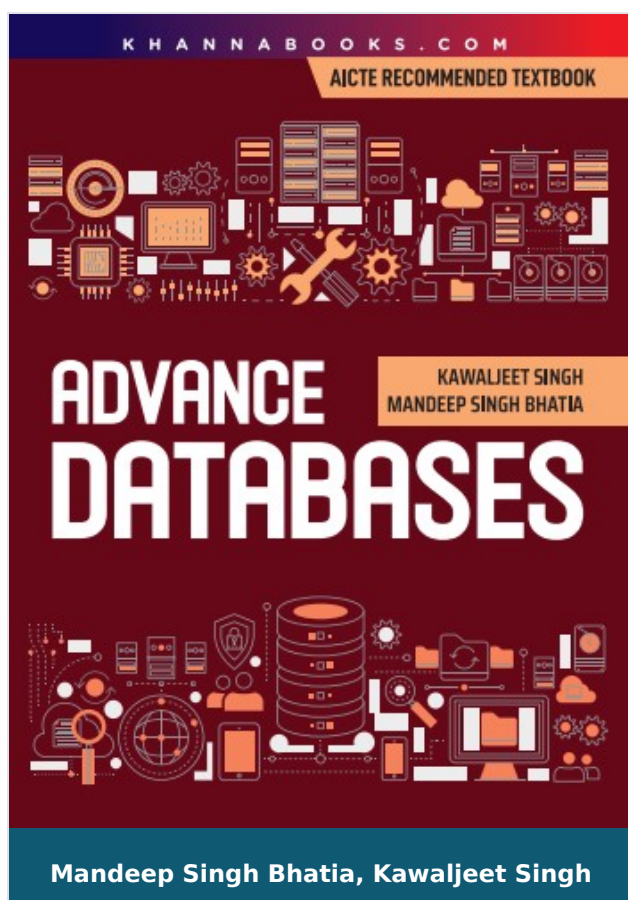




## Advance Databases

**Author :** Mandeep Singh Bhatia, Kawaljeet Singh

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## Product Description

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This book provides a comprehensive introduction to database system concepts, design and their applications. Besides the introduction of the simple databases concepts; it also covers the advance databases concepts with latest developments and trends in database technology. Basic concepts of database management systems. Step-by-step information to the concepts of normalization with various normal forms. Relational database concepts such as relational algebra and relational calculus with simplified examples. Advance and emerging database concepts such as object oriented database, distributed database, data warehousing, OLAP and data mining. Exercises having long answer type question for university exams; MCQ's for competitive exams.

## Table Of Contents

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- Rudiments of Databases
- Modelling Databases
- Normalization
- Relational Databases Concepts
- Database Security
- Essentials of SQL
- Transaction Processing
- Concurrency Control
- Backup and Recovery
- Overview of Advance Databases Concepts
- Data Warehousing
- Online Analytical Processing
- Data Mining

## Author

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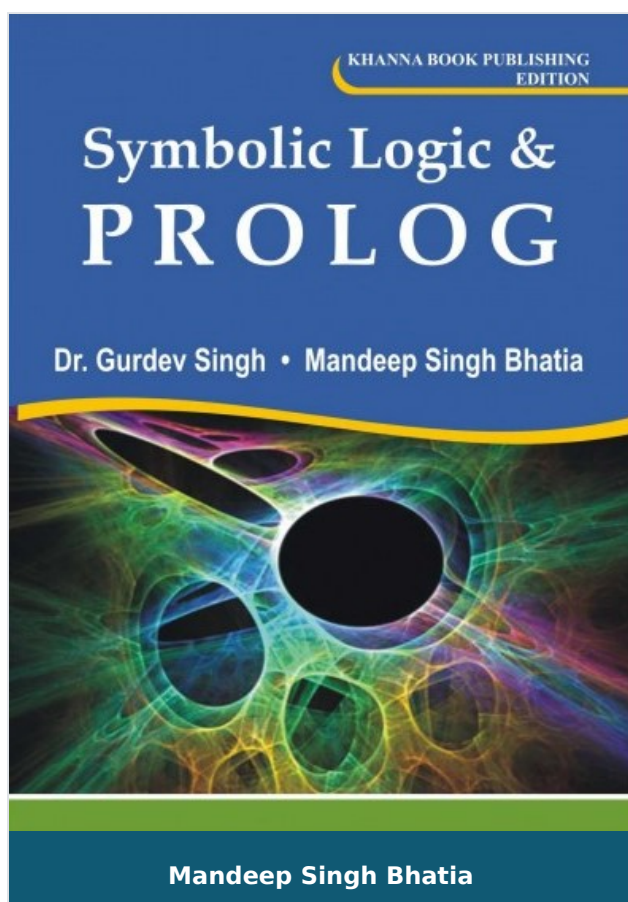
### **Mandeep Singh Bhatia**

Mr. Mandeep Singh Bhatia is presently working as Lecturer in Department of Computer Science & IT, Lyallpur Khansa College, Jalandhar. He is Master in Information Technology and has appropriate knowledge of Computer Software and Hardware. He is proficient in applying Data Mining Techniques in various fields. His subjects of interest are Data Warehousing, Data Mining, Computer Networks and Computer Hardware. His total teaching experience is of 5 years. He has written one research paper which has been published in the proceedings of international conference held at Austria. Other books by authore are: "Fundamentals of Computer Hardware" and "A Beginner's Guide to Visual

Bsaic 6".

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Dr. Kawaljeet Singh is presently working as Director, University Computer Centre, Punjab University, Patiala. He is also acting as Dean Faculty of Computer Application (Honorary) & member industry-institute formation of quality committee, PTU, Jalandhar. Earlier, he worked as Professor and Head, Department of Computer Science & Engineering, Guru Nanak Dev University, Regional Campus, Jalandhar. He was also the chairman board of both postgraduate and undergraduate (CSE) & Dean Faculty of Engineering & Technology, GNDU, Amritsar. His total teaching experience is of 18 years. He has written 3 books. His 11 research papers are published in national journal and one paper in international journal.



## Symbolic Logic & Prolog

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| <b>Author :</b>         | Mandeep Singh Bhatia                                                        |
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## Product Description

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This book provides a comprehensive introduction to Symbolic Logic concepts such as Propositional and First-order logic. It Also Covers the programming language PROLOG with suitable examples. At last, this book also covers the concepts of Fuzzy Logic and Neural Networks.

This book covers the syllabus of the courses in the disciplines of: B. Tech. (CSE) 7th semester, GNDU, Amritsar, MSc (IT) 2nd semester, GNDU, Amritsar B. Tech. (CSE) 7th semester, PTU, Jalandhar.

## Table Of Contents

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- Propositional Logic
- First Order Logic
- Representing World Knowledge
- Introduction to Prolog
- Programming in Prolog
- Recursion
- Structural Data Representation
- Unification
- Controlling Backtracking
- Built in Predicates
- Non-Declarative Features of Prolog
- Resolution
- Fuzzy Logic and Neural Networks
- Appendix
- Questions Papers

## Author

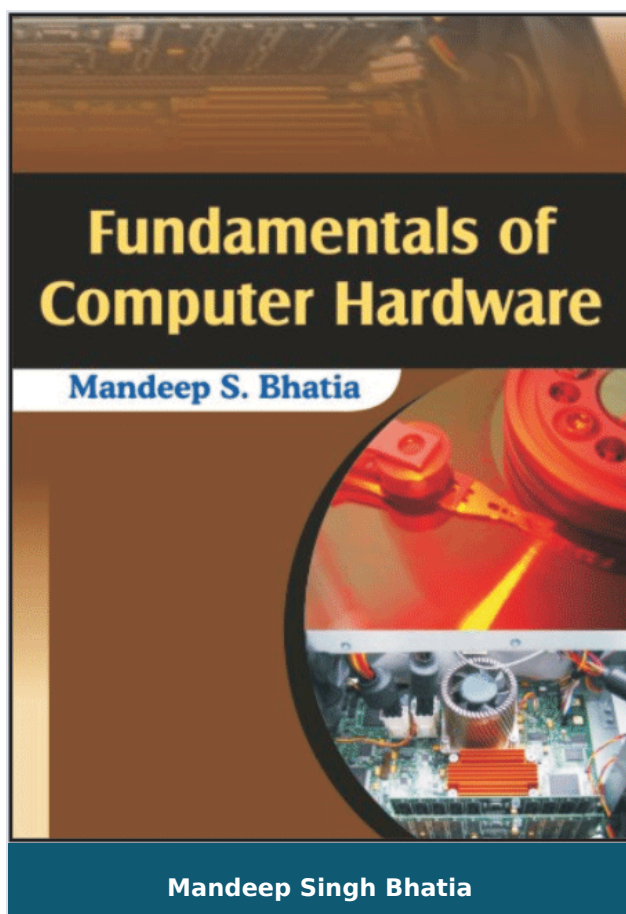
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published in the proceedings of international conference held at Austria. Other books by authore are: "Fundamentals of Computer Hardware" and "A Beginner's Guide to Visual Bsaic 6".





## Fundamentals of Computer Hardware

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## Product Description

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This book written in simple language. You can get technical training regarding assembling, disassembling, maintenance, troubleshooting and upgrading PC's with the help of this book. This book covers everything from introduction of computer hardware to the advanced repairing techniques. You can learn regarding preventive maintenance of PC, which is a necessary part of every PC, because it insures that a PC operates for longer time periods and it involves fixing problems before they occur. The idea given behind preventive maintenance is to set aside some time to routinely open the computer, inspect it, clean it, and fix any items that may need attention.

## Table Of Contents

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- Introduction to PC
- Assembling and Disassembling a PC
- Preventive Maintenance of a PC
- Troubleshooting General PC Problems
- Hard Disk
- Floppy Disk
- CD and DVD Drives
- Central Processing Unit (CPU)
- Motherboards
- Memory
- Peripheral Devices
- Modems
- Adapter Cards
- The PC Buses
- Basic Input/ Output System (BIOS)
- Buying a Computer
- Appendix A : Glossary of Terms
- Beep Codes

## Author

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### **Mandeep Singh Bhatia**

Mr. Mandeep Singh Bhatia is presently working as Lecturer in Department of Computer Science & IT, Lyallpur Khansa College, Jalandhar. He is Master in Information Technology

and has appropriate knowledge of Computer Software and Hardware. He is proficient in applying Data Mining Techniques in various fields. His subjects of interest are Data Warehousing, Data Mining, Computer Networks and Computer Hardware. His total teaching experience is of 5 years. He has written one research paper which has been published in the proceedings of international conference held at Austria. Other books by authore are: "Fundamentals of Computer Hardware" and "A Beginner's Guide to Visual Bsaic 6".