

Expert Data Structure with C

Author : R.B. Patel
ISBN 13 : 978-93-86173-69-0
ISBN 10 : 93-86173-69-7
E-ISBN 13 : 978-93-86173-69-0
Edition : Fourth
Pages : 792
Type of book : Paperback
Year : 2024
Language : English
Publisher : Khanna Publishing House
Regular Price : Rs-499.00
Sale Price : Rs 399.20

Categories : [All books](#), [Computer Science Engineering](#), [Computer Science Engineering](#), [UNIVERSITY RECOMMENDED](#)

Condition Type : New

Country Origin : India

Product Description

This book starts with the fundamentals of data structures and finally lead to the muchdetailed discussion on the subject. The very first chapter introduces the readers with elementary concepts of C as type conversions, structures, pointers, dynamic memory management, functions, flow-chart, algorithm and fundamental of data structures. This textbook covers the syllabus of Semester College course on data structures. It provides both a strong theoretical base in data structures and an advanced approach to their representation in C. The text is useful to C professionals and programmers, as well as students of any branch of Engineering of graduate and postgraduate courses. The data structures are presented with in the context of complete working programs that have been tested both on a UNIX system and a personal computer using Turbo-C++, Compiler. The code is developed in a top-down fashion, typically with the low-level data structures implementation following the high-level application code. This approach foster good programming habits and makes subject matter more interesting. The book has three goals- to develop a consistent programming methodology, to develop data structures access techniques and to introduce algorithms. The bulk of the text is developed to make a strong hold on data structures. Programming style and development methodology are introduced and its applications are presented. This has the advantage of allowing the reader to concentrate on the data structures, while illustrating how good practices make programming easier.

Table of Contents

Chapter 1 : Basics of Data Structures & Programming Language 'C' Chapter 2 : Recursion Chapter 3 : String Manipulation And Pattern Matching Chapter 4 : Arrays Chapter 5 : Linked List Chapter 6 : Stacks And Queues Chapter 7 : Trees Chapter 8 : Graphs Chapter 9 : Sorting And Searching Chapter 10 : File Structures Chapter 11 : Variants of B-Tree INDEX

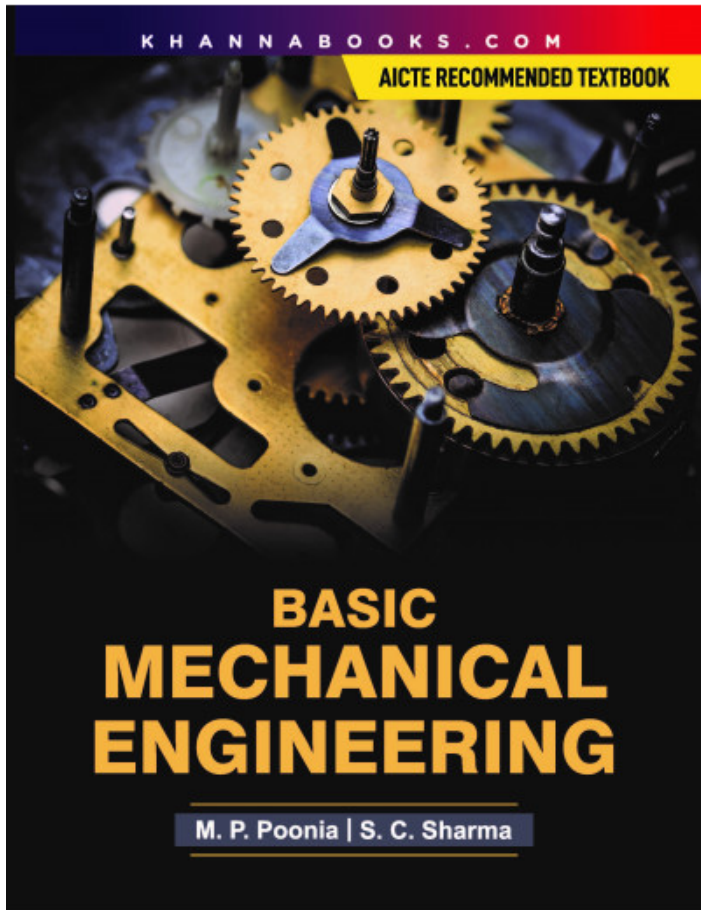


Author

R.B. Patel

Prof. Ram Bahadur Patel, Professor, Department of Computer Science and Engineering, Chandigarh College of Engineering and Technology, U. T. Administration Chandigarh, earlier he was Professor at NIT Uttarakhand, graduated from Madan Mohan Malaviya Engineering College Gorakhpur in Computer Engineering in the year 1991. He did M.S. from BITS Pilani in the year 1996. He obtained his Ph.D. from the Indian Institute of Technology, Roorkee in the field of Distributed Computing and PDF in Reliable Computing from Athens Greece in the year 2005. He has supervised 18 PhD thesis and 42 M. Tech. dissertation. He has 4 Patents (1 US and 3 Indian) to his credit. He has published more than 190 research paper in International/National Journals and Conferences. He has organized 7 International Conferences/Seminars. He has edited 5 Scopus indexed Journal/Proceedings of National and International publishers, viz. Springer Verlag, American Institute of Physics etc. He has authored 7 Books on Data Structures, Automata Theory, etc. </p>





Basic Mechanical Engineering

Author : M.P. Poonia

ISBN 13 : 978-93-86173-33-1

ISBN 10 : 93-86173-33-6

E-ISBN 13 : 978-93-86173-33-1

Edition : First

Pages : 792

Type of book : Paperback

Year : 2023

Language : English

Publisher : Khanna Publishing House

Regular Price : Rs 499.00

Sale Price : Rs 399.20

Categories : [All books](#), [Mechanical Engineering](#), [Mechanical Engineering](#), [UNIVERSITY RECOMMENDED](#)

Condition Type : New

Country Origin : India

Product Description

This book 'Basic Mechanical Engineering' has been written to provide knowledge and insight into various aspects of Mechanical Engineering. This book is intended as text book to be used by the students in the technical institutions i.e. Engineering Colleges and Polytechnics. The book covers Syllabi of various Universities on 'Basic Mechanical Engineering', 'Elements of Mechanical Engineering', 'Mechanical Engineering', 'Introduction to Mechanical Engineering' and 'Fundamentals of Mechanical Engineering' for the students of all the disciplines of Engineering. Adequate attention has been paid to emphasize on basic principles involved in the subject matter. The explanation in the text has been supported with line diagrams, along with numerous solved problems. The readers will find the book highly useful as a comprehensive text covering basic principles in simple language and easy to grasp formatting.



Table of Contents

- Chapter 1: Mechanics - An Introduction
- Chapter 2: Transmission of Power
- Chapter 3: Fundamentals of Thermodynamics and Heat Transfer
- Chapter 4: Properties of Gases
- Chapter 5: Properties of Steam
- Chapter 6: Fuel and Combustion of Fuels
- Chapter 7: Thermal Power Plants 1-Steam Boilers (Generators)
- Chapter 8: Thermal Power Plants 2-Steam Engines, Turbines And Condenser
- Chapter 9: Air Compressors
- Chapter 10: Internal Combustion Engines (I.C Engines)
- Chapter 11: Fuel System in I.C Engines
- Chapter 12: Automobile Engineering
- Chapter 13: Gas Turbines
- Chapter 14: Refrigeration and Air Conditioning
- Chapter 15: Hydraulic Pumps
- Chapter 16: Hydraulic Devices
- Chapter 17: Hydro Electric Power Plants
- Chapter 18: Hydraulic Turbines
- Chapter 19: Sources of Energy
- Chapter 20: Engineering Materials Stress and Strain
- Chapter 21: Manufacturing Process-Mechanical Working of Metals
- Chapter 22: Pattern-Making Foundry and Casting
- Chapter 23: Welding Engineering
- Chapter 24: Tools, Jigs and Fixtures
- Chapter 25: Machine Tools
- Chapter 26: Automation and Robotics,
Robotics



Author

M.P. Poonia Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata). Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company. **S.C. Sharma** S.C. Sharma after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.

