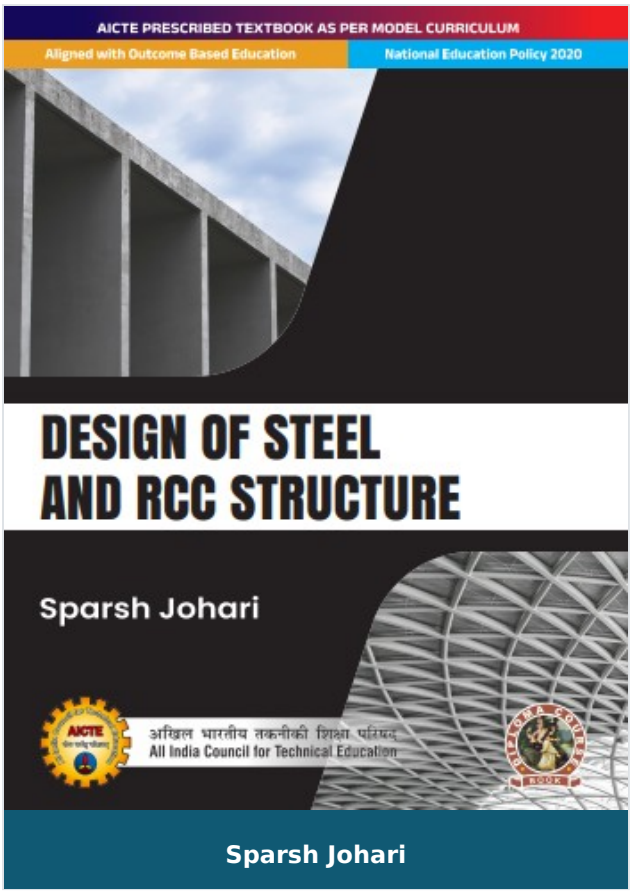


Design of Steel and RCC Structure

Author :	Sparsh Johari
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E-ISBN 13 :	978-93-55388-36-0
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Publisher :	Khanna Publishing House
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Country Origin :	India

Product Description

Design of Steel and RCC Structure

This book – Design of steel and RCC Structures – covers various topics relevant to construction work. It includes on introduction to steel and RCC structures, philosophies of designing beams and columns, use of the Limit state Method in designing the RCC members, shear and bond strength, and designing the development length. In addition, a detailed design of axially loaded RCC columns is also included in the book.

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.
- questions are given for practice of students after every chapter.
- Solved numerical problems are illustrated in the chapters.

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Author

Sparsh Johari

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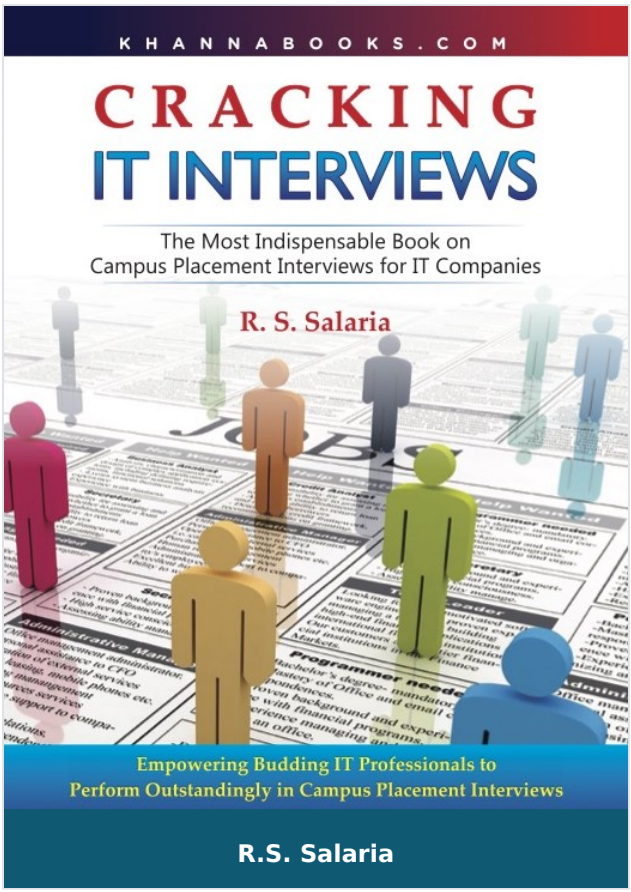
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Cracking IT Interviews

Author :	R.S. Salaria
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Product Description

It is a dream of every budding engineer to make it big in the corporate IT world. This book is designed to guide and empower the budding engineers to achieve their much cherished dream. Since it is the interview process where the employability of the budding engineer is judged, therefore, keeping this aspect in mind, the first chapter is designed to guide the budding engineer to the most basic aspects of the interview process, and how meticulously they should plan and prepare for the interview.

Further, majority of the IT companies don't expect that the budding engineers should be well equipped with the advanced techniques/technologies, but must have strong foundation in the basics and concepts of the concerned subjects. In addition, they should be able to demonstrate the burning desire to excel and passion to learn. keeping these aspects in mind, subsequent six chapters are designed to impart basic knowledge of the important topics through frequently asked questions in each topic.

Any budding engineer, who can master about 70-75% questions covered in the book can crack technical round of any IT company with a bang.

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- Basic Computer Concepts
- The C Language
- Data Structures and Algorithms
- Object-Oriented Concepts
- The C++ Language
- The Java Language

Author

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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Smarter City

Author :	Bala Sai Gayathri, G. Anbu Selvi, R. Nivedha
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4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

Smarter City

The concept of the Smarter City represents the future of urban living—a paradigm where technology, data, and interconnected infrastructure converge to enhance sustainability, efficiency, and the quality of life for citizens.

Smarter City provides an essential roadmap for understanding this complex evolution. It begins by laying the foundational pillars, exploring the convergence of IoT (Internet of Things), Cloud Computing, and Big Data as the technological engine of urban transformation. The book moves beyond theory to detail practical, real-world use cases, such as Connected Street Lighting that improves energy efficiency, Smart Traffic Control that dynamically reduces congestion, and Connected Environmental Monitoring systems that track air and water quality in real time.

This text is vital for urban planners, engineers, policymakers, and technologists seeking to grasp the architecture, implementation, and long-term impact of smart city initiatives. It is the definitive guide to building a truly intelligent, resilient, and sustainable urban future.

Salient Features:

- **Foundational Technology**: Deep dive into the core technologies enabling smart cities: IoT (Internet of Things), Cloud Computing, and Big Data Analytics.
- **Key Pillars of Smart Cities**: Comprehensive coverage of the main components, including Smart Governance, Smart Economy, Smart Mobility, Smart Environment, Smart People, and Smart Living.
- **IoT Architecture and Sensors**: Detailed explanation of the IoT architectural layers (Perception, Network, Application) and the role of various sensors (temperature,

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humidity, air quality) in data collection.

- **Practical Use Cases**: Real-world examples of successful smart city deployment, including:

1. Connected Street Lighting for energy saving and remote monitoring.
2. Smart Traffic Control for dynamic signal adjustment and congestion reduction.
3. Connected Environmental Monitoring for air quality tracking and pollution detection.

- **Cloud and Data Integration**: Analysis of how Cloud Platforms provide the necessary infrastructure for scalable data storage and how Big Data Analytics translates raw sensor data into actionable insights for city management.
- **Citizen-Centric Design**: Emphasis on how smart city initiatives directly benefit citizens by enhancing public safety, reducing commute times, and improving environmental sustainability.

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- Smart Urban Transportation Systems
- Smarter City Management and Smarter Human Services
- Smarter City and IoT

Author

Bala Sai Gayathri

Bala Sai Gayathri Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

G. Anbu Selvi

G. Anbu Selvi Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology R.Nivedha Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

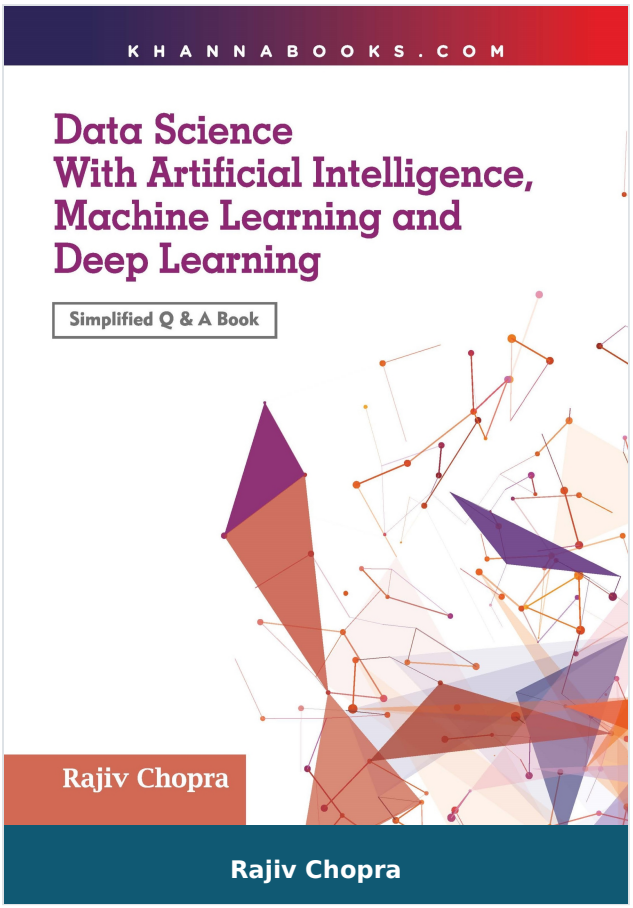
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Data Science with Artificial Intelligence, Machine Learning and Deep Learning

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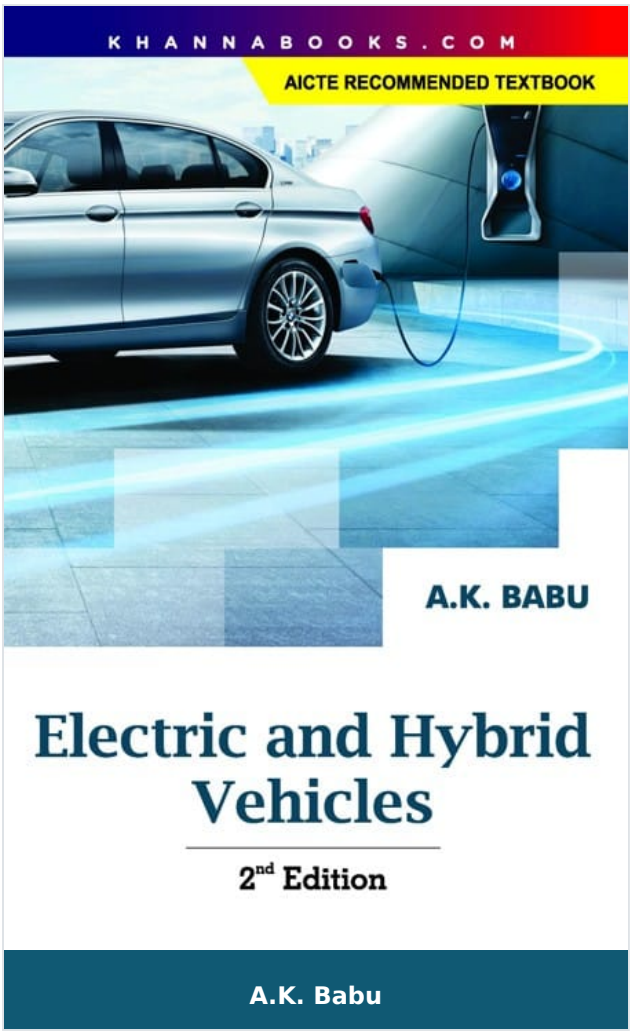
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attended 21 conferences, workshops, FDPs and seminars. He is a prolific author with 26 Text and Reference books to his credit,for B. Tech. (CSE/IT), M. Tech. (CSE/IT), BCA, MCA and other courses of different Universities of India.

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Electric & Hybrid Vehicles

Author :	A.K. Babu
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Product Description

This book is written to be easy to read and to meet the critical skill requirements of students studying Automobile Engineering, Mechanical Engineering and Electrical Engineering. The content is organized into 25 easy-to understand chapters. The fundamentals, electric vehicles (EVs), hybrid electric vehicles (HEVs), and fuel cell vehicles (FCVs) are all covered in this book. it covers the performance, configuration, and control strategy of several electric and hybrid electric vehicles in details. Colleges and technical universities offering core and elective subjects like Electric and hybrid Vehicles and New Generation Vehicles can utilize this course book as a textbook and major reference book.

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- Brake System For EVs
- Best Electric and Hybrid Cars.

Author

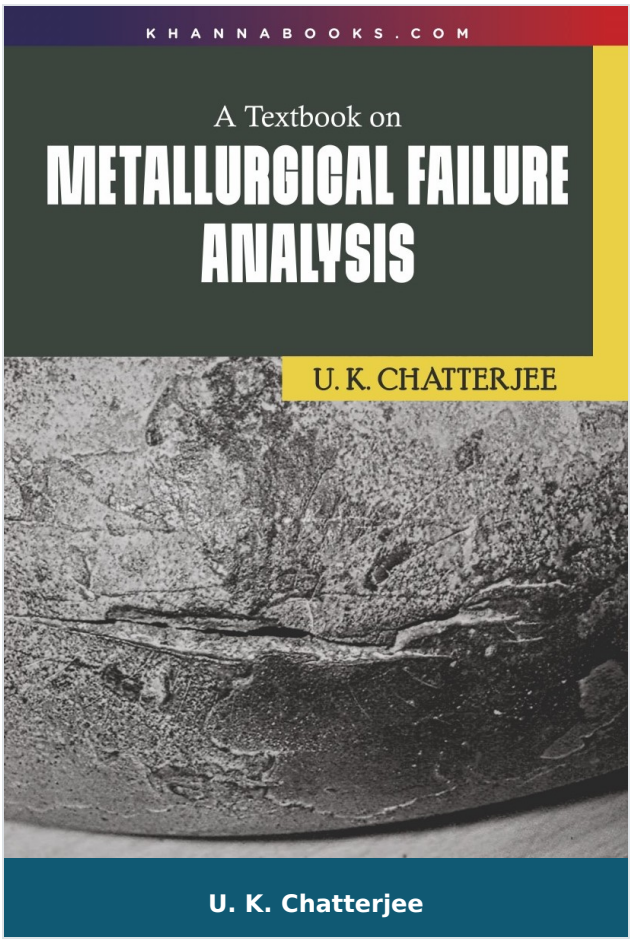
A.K. Babu

A.K. Babu A.K.Babu is working as Associate Professor in the Department of Automobile Engineering, SRM Easwari Engineering College, Chennai, India. He has over 18 years of experience in teaching, research and industry. A.K.Babu, completed his Master Degree in Automobile Engineering from Madras Institute of Technology (M.I.T.), Anna University (1997). He has served in other countries like Malaysia, Ethiopia and Eritrea for more than 5 years. A.K.Babu has published considerable number of research papers in international journals and conferences. His research paper published in SAE Journal of Fuels and Lubricants awarded one the most outstanding papers in the year 2003.

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Textbook on Metallurgical Failure Analysis

Author :	U. K. Chatterjee
ISBN 13 :	978-93-55387-11-0
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Edition :	1
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Product Description

A Textbook on METALLURGICAL FAILURE ANALYSIS: This handy textbook presents the basic causes of failure of metallic components and the factors – mechanical, metallurgical, thermal and environmental – that contribute to the failure. Basis of metal deformation and fracture, including fractography, are elaborated. Procedure for failure analysis has been explained and the tools used for failure analysis described. Several actual cases of failure investigation are included.

The classified types of failure covered in the book are:

- Fatigue failure
- Wear failure
- Environment assisted failure
- High temperature failure
- Casting failure
- Heat treatment related failure
- Metalworking defeat related failure
- Weld failure

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- Steps of failure analysis
- Tools of Failure Analysis
- Deformation Fundamentals
- Fracture of Metals
- Fatigue Failure
- Wear Failure
- Environment Assisted failure
- High Temperature failure
- Casting Failure
- Heat Treatment Related Failure
- Metalworking Defects
- weld failure
- Case Failure
- Suggested reading

Author

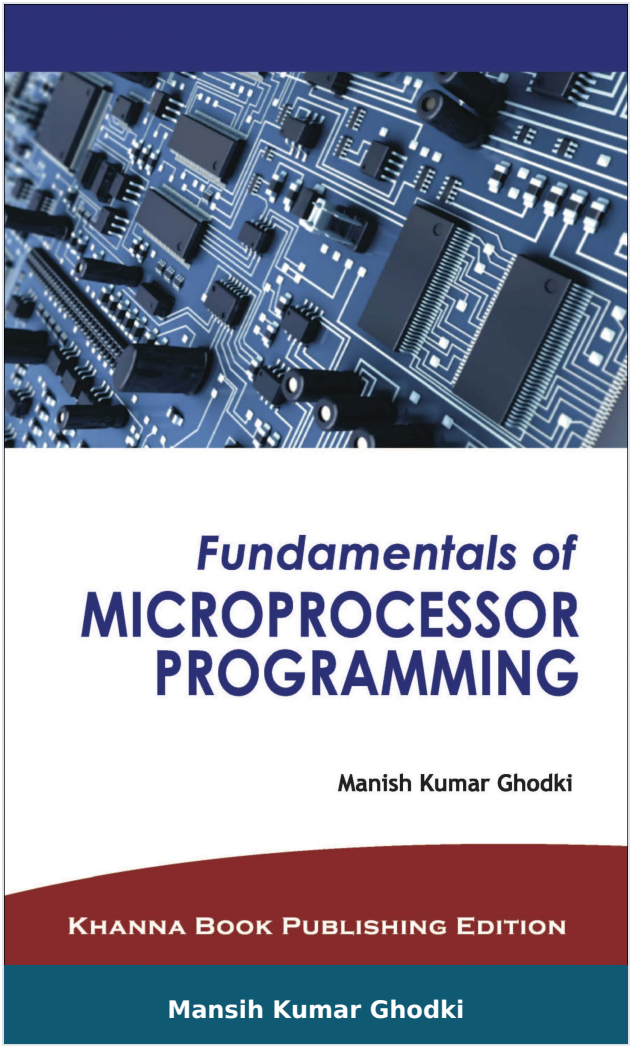
U. K. Chatterjee

K CHATTERJEE: obtained the B.Tech (1964) and Ph.D. (1968) degree in metallurgical engineering from the Indian Institute of technology , Kharagpur , and served as a faculty member there for 41 years, The author or co-author of 110 papers in professional journals and conference proceedings and co-author of the book ‘Environmental degradation of metals’ (Marcel Dekker . 2001). He is an alexander von Humboldt fellow and a life of IIT Kharagpur.

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Fundamentals of Microprocessor Programming

Author :	Mansih Kumar Ghodki
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Product Description

Suitable for solving GATE and other competitive exam questions. The book contains 40 different assembly language programs in a separate chapter. The book contains 100 working examples of all types of instruction opcodes of the 8085 microprocessor in a single chapter. It has more than 300 illustrations, exercise questions for easy and better understanding. 'All-in-one' view in column writing format for quick understanding. Suitable for diploma, degree and postgraduate courses. Step-by-step knowledge towards the programming of the microprocessor. The microprocessor 8085 can be used to its full capability if one knows the programming fundamentals given in this book.

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- Timing Diagrams Of 8085 Microprocessor
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- Microprocessor Instruction Set (Alphabetically)
- Microprocessor Instruction Set (Hex Code Wise)

Author

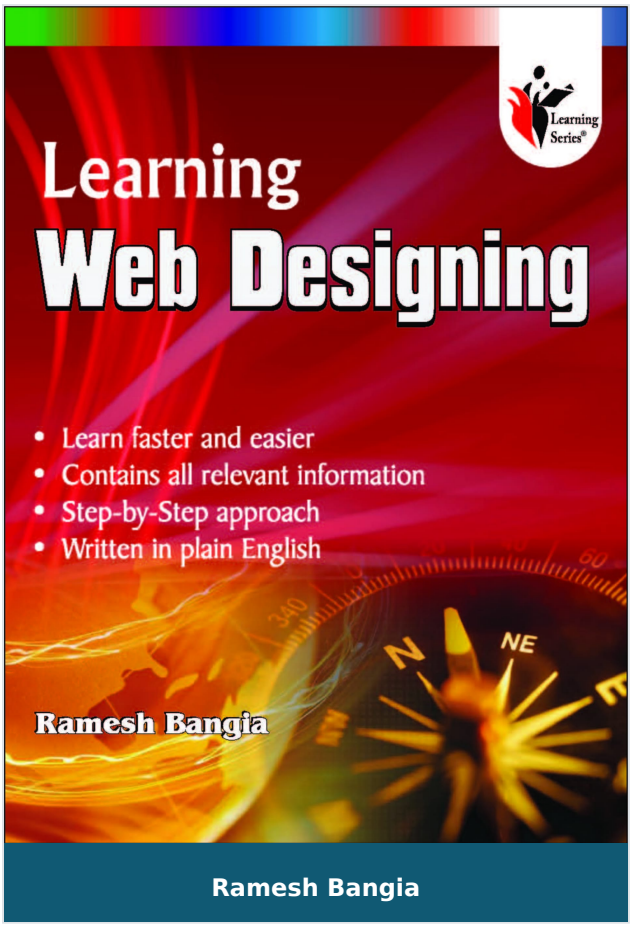
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Learning Web Designing

Author :	Ramesh Bangia
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Edition :	1
Pages :	304
Type of book :	Physical
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
Categories :	Book Store, Learning Series, BASIC COMPUTER BOOKS
Condition Type :	New
Country Origin :	India

Product Description

The complete Learning Series has been designed in a very systematic and logical manner. Each topic has been developed from the basic concepts. Practically every major point in the text is illustrated with suitable examples and screen shots. This will help the students in understanding the basic theory and train them in solving every problem systematically, and confidently. A large number of unsolved as well as solved exercises have also been included in the book. The language of the text of the book is lucid, direct and easy-to understand. Each chapter is laced with various diagrams wherever possible. Functions has been explained in full and some of them have been explained in the form of examples. Tips for working faster using the keyboard shortcuts are also provided.

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- Cascade Style Sheets (CSS)
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- VB Script
- eXtensive Markup Language
- Introduction to ASP
- Questions

Author

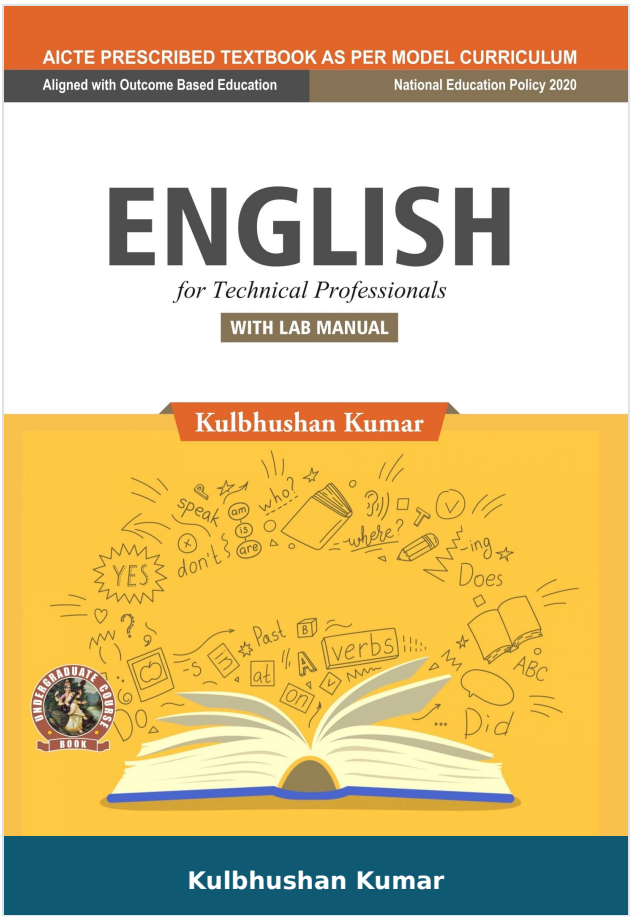
Ramesh Bangia

Ramesh Bangia, has been writing computer books on various topics. He has written books for Schools. Training Institutes, Technical Universities, Distance Education Programs, Colleges and General. His tally of books exceeds 500 in number. Trained both in India and Abroad and having studied at IIT Delhi, he becomes automatic choice for most of the publishers in India. Though based in Delhi, his books are popular all over India and are even exported to Middle Ease and African countries.

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English (with Lab Manual)

Author :	Kulbhushan Kumar
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Condition Type :	New
Country Origin :	India

Product Description

The Book on English in your hand is a textbook intended for the second language learners who wish to learn English but have a less environment in conversing with others in English. The book covers AICTE model curriculum for first year undergraduate degree courses in Engineering and Technology. The book is meant to familiarize the students with different aspects and genres in English including reading, listening comprehension, written and speaking skills. A must-buy for the students of engineering, Management and Humanities, the book combines reference grammar and practices exercises while maintaining a practice- oriented approach. So, to solve the purpose, the book has been divided into six part that highlights:

1. Vocabulary Building

2. Basic written Skills

3. Identifying Common Errors in Writing

4. Nature and style of Sensible Writing

5. Writing Practices

6. Oral Communications

Salient Features:

This book covers a wide range of topic such as conversation practice, vocabulary building , writing practices and sentence Patterns which generates a great taste to its learners. Apart from the core lessons, this course book includes additional reference tools strategies for learning independently, vocabulary trainer and ideas for developing speaking skills. The sole purpose of the book is to empower students with language and life skills the need to carry out to achieve their career goals. A big part of the book is about the vocabulary, with numerous examples. It prepares the learners in Business

English for effective communication not only as students during their collegiate day but also as employees after being employed. It is a complete guide for all business and processional communication activities explaining in simple language how people interact with each other through effective use of spoken and written English. To make the students face the competitive world, each chapter of this book is clearly structured with a strategic approach to learn the target language from the basic level. Therefore, it’s THE BEST book for every technical student who wants to understand how English Works.

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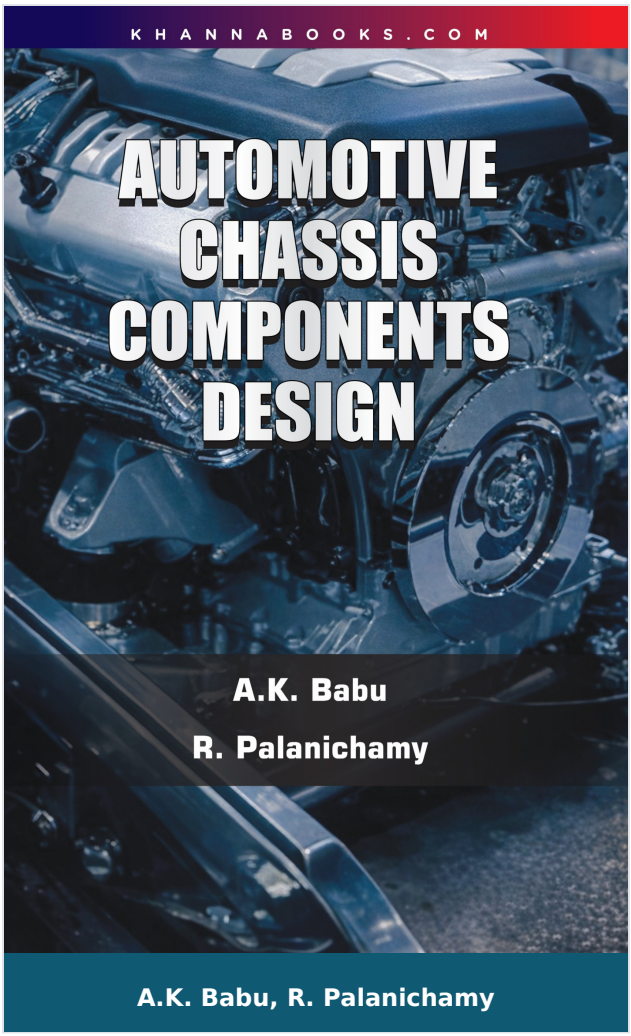
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Automotive Chassis Components Design

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Product Description

Automotive Chassis Components Design

Automotive Chassis Components Design is a comprehensive academic and professional guide dedicated to the intricate engineering of a vehicle’s skeletal and foundational systems. Authored by A. K. Babu, the text serves as a vital bridge between theoretical mechanics and practical automotive design, focusing on the five basic components that define a modern automobile: the power plant, chassis, power train, body, and accessories. The book provides an in-depth exploration of the “running gear,” including the frame, suspension, steering, brakes, and wheels—systems that directly impact riding comfort, vehicle stability, and safety.

Designed for students of automotive and mechanical engineering, as well as practicing professionals in the automotive industry, the book maintains a rigorous academic tone while ensuring concepts are accessible through detailed diagrams and solved problems. Its core theme revolves around the functional integration of components to withstand dynamic and static loads, optimize maneuverability, and ensure passenger comfort. From the design of heavy-duty truck frames to the precise gear ratios of synchromesh gearboxes, this text provides the analytical tools required to design safe and efficient modern vehicles.

Salient Features:

• **Comprehensive Frame Analysis**: Detailed study of conventional, integral, and semi-integral frames, focusing on materials like carbon steel and their resistance to vertical bending and torsion.

• **Transmission System Engineering**: In-depth coverage of clutch requirements and gearbox types, including sliding mesh, constant mesh, and synchromesh systems for optimized torque delivery.

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• **Driveline Dynamics**: Technical exploration of propeller shafts and universal joints, with a focus on torsional strength, whirling speeds, and critical vibration avoidance.

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• **Axle and Load Design**: Comprehensive design methodologies for front and rear axles, examining load distribution, stresses, and the mechanics of semi-floating vs. full-floating types.

• **Advanced Suspension Systems**: Practical insights into leaf and coil springs, including the design of torsion bars and methods to reduce inter-leaf friction for better handling.

• **Steering Precision**: Rigorous examination of steering geometry, comparing Ackermann and Davis mechanisms to ensure true rolling and minimal tire wear during maneuvers.

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