

Design	
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Engineering Graphics and

Product Description

This book covers complete syllabus of Engineering Graphics and Design along with AUTOCAD catering requirements of B.Tech. in Engineering The book is in easy to understand, simple English. It provides step-by-step solutions to problems along with suitable example and proper drawings. Using AutoCAD and Solid Work. All chapter make learning easy with unique features such as Summary, Solved examples and Practice Problems.Chapters have been organized to present data in concise format with suitable tables, diagrams, drawings and illustration.



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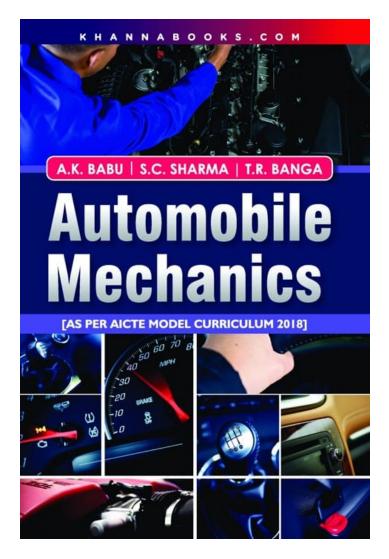
Chapter 1: Introduction to Engineering Drawing. Chapter 2: Projections. Chapter 3: Auxiliary Planes and Views and Projections Chapter 4: Sectional Views. Chapter 5: Isometric Projections. Chapter 6: Overview of Computer Aided Design. Chapter 7: Drawing Using AUTOCAD. Chapter 8: Modifying Using AUTOCAD. Chapter 9: Customization and Productive Tools. Chapter 10: Dimensioning, Annotations Layering. Chapter 11: Solid Modelling. Exercise Summary

Authors

A.P. Gautam has more than five year of experience in teaching and industry. He is also providing solutions in engineering design. Presently he is working in HI Tech Institute of Engineering Technology. **Pradeep Jain** has 15 years of experience in teaching and industry in CAD/CAM. presently he is working as an associate professor in the Department of Mechanical Engineering, Ajay Kumar Garg Engineering College, Ghaziabad. He is providing training and consultancy in CAD/ CAM field. **Ankita Maheshwari**



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Product Description

The book is designed to become a valid source of information to assist the student both in and out of the classroom to attain his or her objective. the structure of the text book is as follows: Chapter 1 is an introduction to the book, covering the basic information on automobiles. Chapter 2 deals with engines and their auxiliary units. Chapters 3-10 cover several aspects of design of automobile components - SI system, background mathematics and advice on problem solving, particularly exam questions. Chapters 11-15 cover essential theory part of support system for vehicles. Numerous designs and fully worked problems are provided at the end of the chapter. It is expected that as the student works through the examples and problems, he or she will develop a greater understanding of the mathematics required for engineering. To help the student develop a sound grasp of the principles covered there are many diagrams, notes and applications as an aid to develop knowledge and facilitate understanding.

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6: Propeller-shaft Assembly. Chapter 7: Final Drive and Differential Assembly. Chapter 8: Axle. Chapter 9:
Steering. Chapter 10: Suspension System. Chapter 11: Brake System. Chapter 12: Wheel and Tyre. Chapter 13:
Vehicle Electrical System. Chapter 14: Instruments and Accessories.

Authors

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