Engineering Graphics & Design

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Product Description

This textbook “Engineering Graphics and Design” is based on the latest outcome based model curriculum of the AICTE. The book covers complete syllabus catering requirements of all major technical universities and institutes and provides insights into traditional engineering graphics as well as treats of the subject using 2D and 3D design software. It offers technical details, current standard, real world examples and clearly explains theory and technique in highly visual and concise format. The topic covered in this book are arranged into 9 chapters comprising self-explanatory diagrams and solved examples. Salient Features: 1. Introduction of Engineering Drawing.
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Chapter 5: Isometric Projection.

Chapter 6: Overview of Computer Graphics.

Chapter 7: Customization &CAD.

Chapter 8: Annotation Layers and 3D Modelling.

Chapter 9: Projects.

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Author

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.

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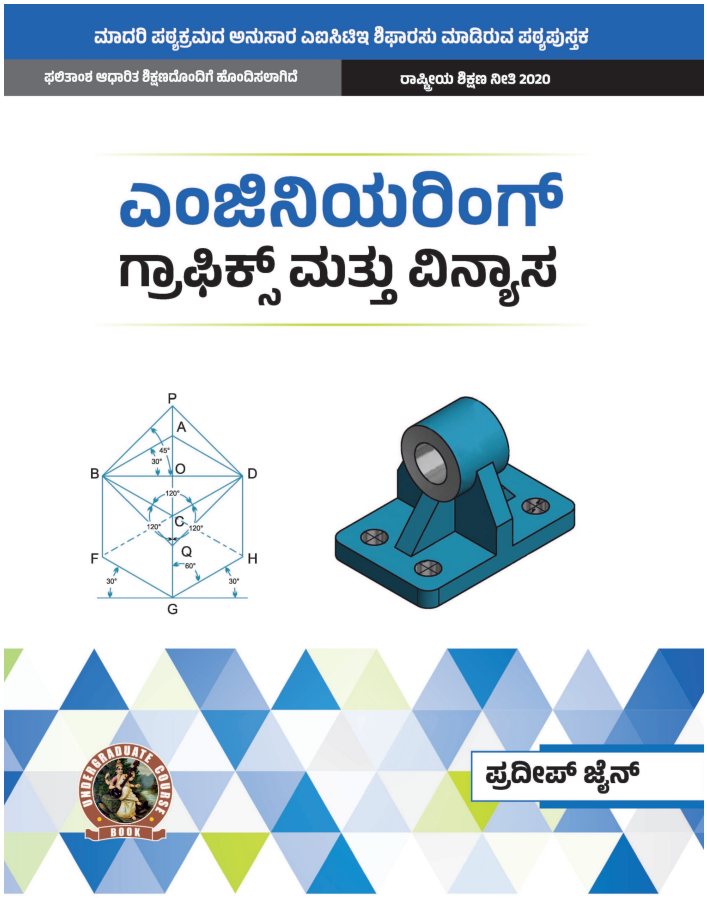

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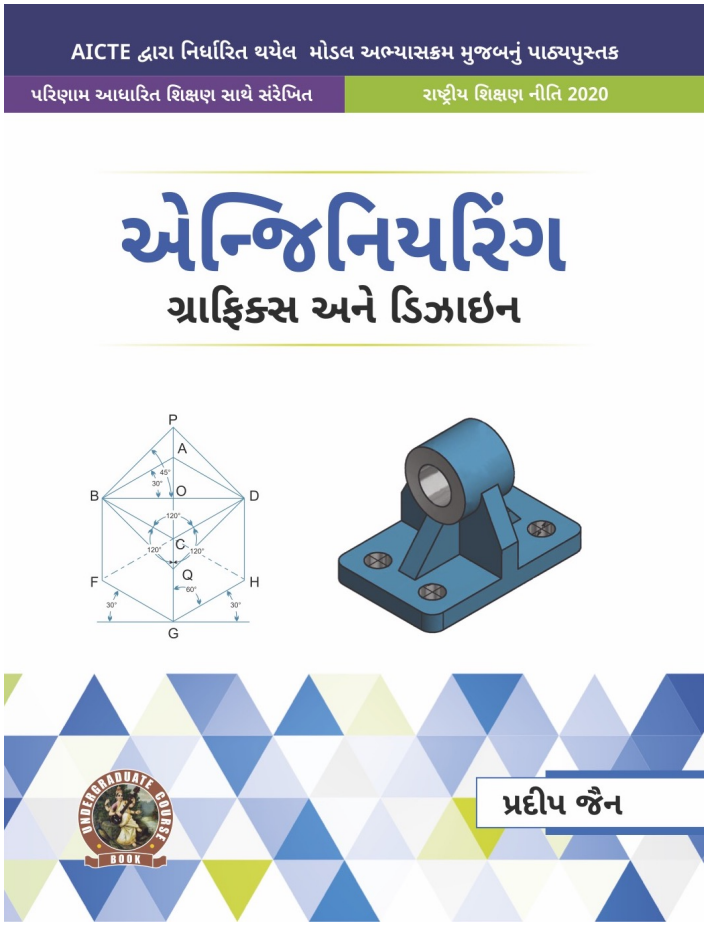

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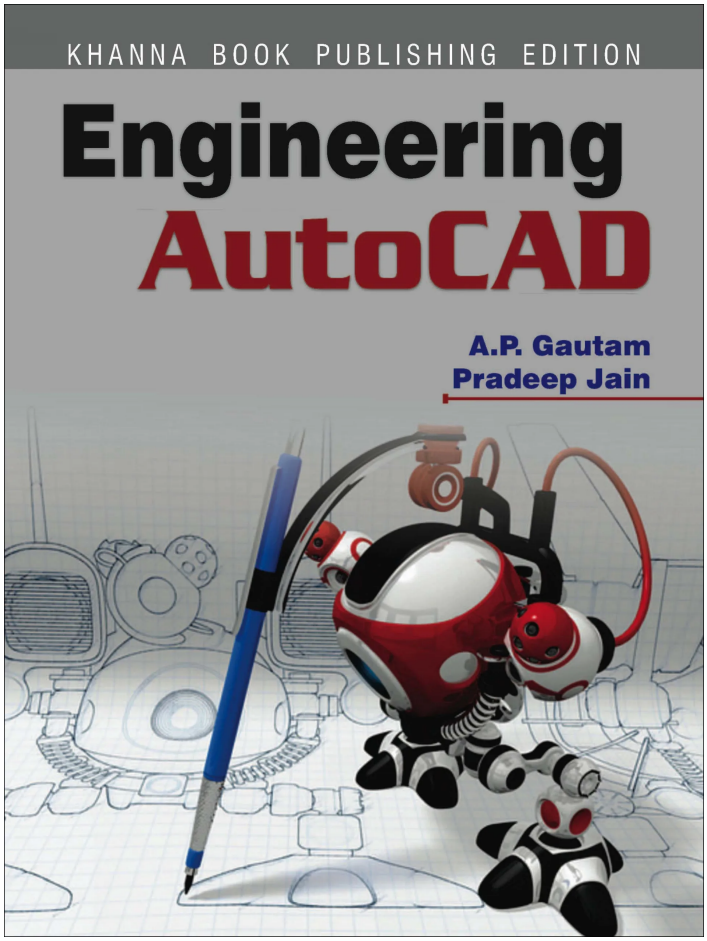

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Product Description

The books is useful for the students of B. Tech and diploma in Mechanical, Civil and B. Architect, and for the industrial persons to enhance their designing skills. This book is simple to understand included exercises and tutorials. For better understanding. objective-type questions and practice have been included at the end.

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Chapter 1: Concept Of Engineering Drawing. **Chapter 2:** An Introduction Of AutoCAD. **Chapter 3:** AutoCAD Command Shortcuts. **Chapter 4:** Draw Toolbar. **Chapter 5:** Modify Toolbar. **Chapter 6:** Dimension Toolbar. **Chapter 7:** Layers. **Chapter 8:** Productivity Tool. **Chapter 9:** Miscellaneous Command. **Chapter 10:** Constraints. **Chapter 11:** Three Dimension Tool. **Chapter 12:** Page Setup & Plot Manager.

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A.P. Gautam AP 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** 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.

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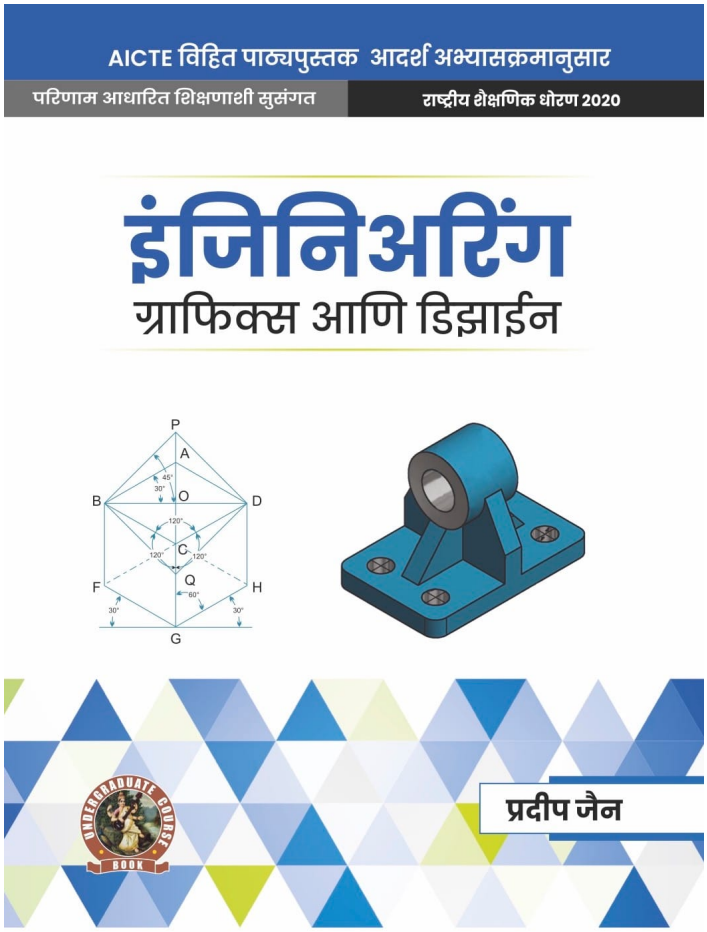

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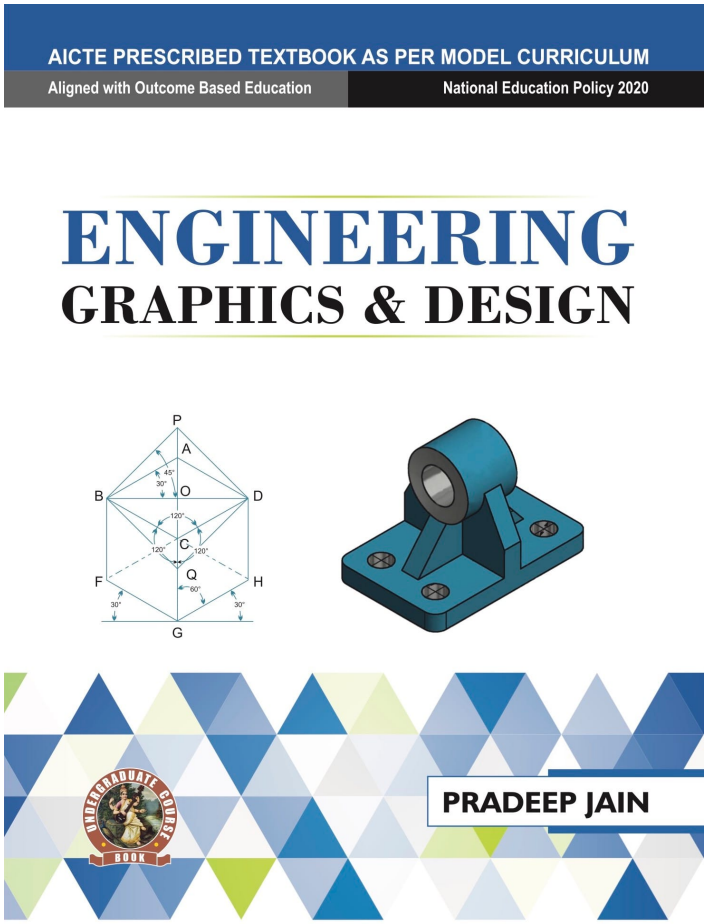

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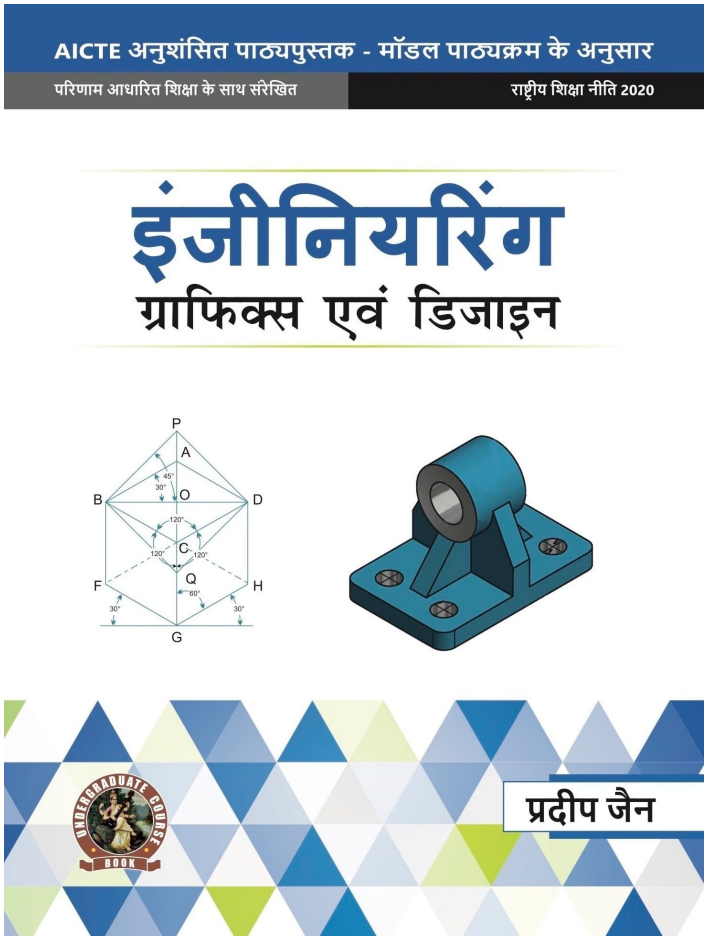

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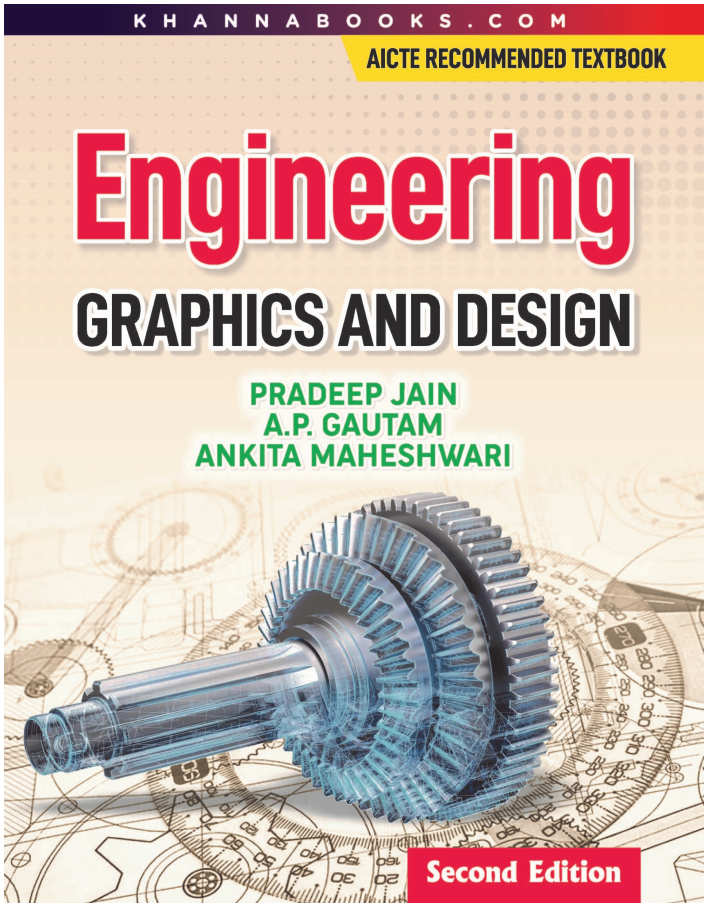

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Product Description

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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