

Artificial Neural Networks

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Product Description

Written with the beginner in mind, this volume offers an exceptionally clear and thorough introduction to neural network at an elementary level. It provides the clear survey of basic neural network architectures and learning rules. In it, We emphasize mathematical analysis of networks, methods for training network, and application of neural network to practical engineering problems in speech recognition, stock market prediction and pattern recognition.

Table of Contents

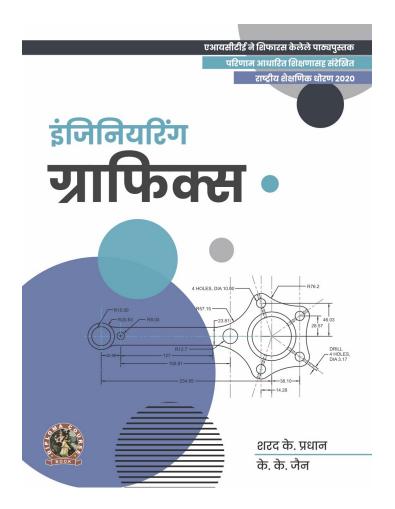
Chapter 1: Fundamentals of Neural Networks. Chapter 2: Perceptrons. Chapter 3: Backpropagation. Chapter 4: Adaline and Madaline. Chapter 5: Supervised and Unsupervised Learning. Chapter 6: Counter-propagation Network. Chapter 7: Adaptive Resonance Theory. Chapter 8: Neocognitron. Chapter 9: Bidirectional Associative Memory. Chapter 10: Case Studies.



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Engineering Graphics

Author: K. K. Jain

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Product Description

"Engineering Graphics" is a compulsory paper for the first year Diploma course in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education. Book covers six topics- Basic Elements of drawing, Orthographic Projections, Isometric Projections, Free Hand Sketcher of Engineering Elements, Computer Aided Drafting Interface, Computer Aided Drafting. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test the student's comprehension. Some salient features of the book: 1. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes. 2. In start of each unit learning outcomes are listed to make the student understand what is expected out of him/ her after completing that unit. 3. Book provides lots of recent information, interesting facts, Codes for E-resources, QR Code for use of ICT, projects, group discussion etc. 4. Student and teacher centric subject materials included in book with balanced and chronological manner. 5. Figures, tables and software screen shots are inserted to improve clarity of the topics. 6. Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus. 7. Short questions, objective questions and long answer exercises are given for practice of students after every chapter. 8. Solved and unsolved problems including numerical examples are solved with systematic step.

Table of Contents

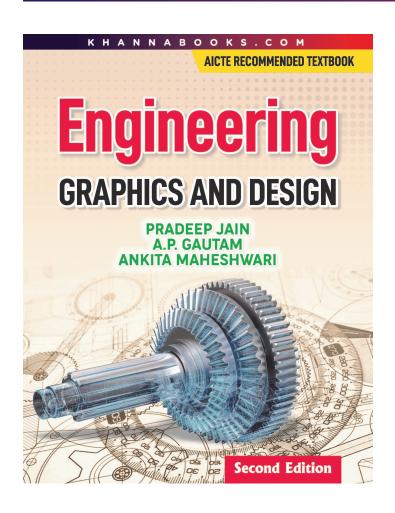
Foreword, Acknowledgement, Preface, Outcome Based Educations, Course Outcomes, Abbreviations and Symbols, List of Figures, List of tables Guidelines for Teachers, Guidelines for Students UNIT 1:

Basic Elements of Drawing. UNIT 2: Orthographic Projections. UNIT 3: Isometric Projections. UNIT 4: Free Hand Sketches of Engineering Elements. UNIT 5: Computer Aided Drafting Interface. UNIT 6: Computer Aided Drafting.

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Engineering Graphics and Design

Author: A.P. Gautam

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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.



Table of Contents

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

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