

## Utilisation of Electric Power and Electric Traction

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A Text Book of Utilisation of Electric Power and Electric Traction which is prepared on the basis of Engineering scientific study covering the syllabi of all the universities running electrical engineering courses, Engineering colleges and Technical Education Boards of all the states in India. This book is also meets the requirement of Foreign Universities where this subject is taught.



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## Table of Contents

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1. Industrial Utilization 2. Control of Industrial Motors 3. Electric Heating 4. Electric Welding 5. Illumination 6. Electrolytic Process 7. Refrigeration and Air Conditioning 8. Electric Traction 9. Economic Aspects 10. Objective Type Questions of Industrial Utilisation

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## Author

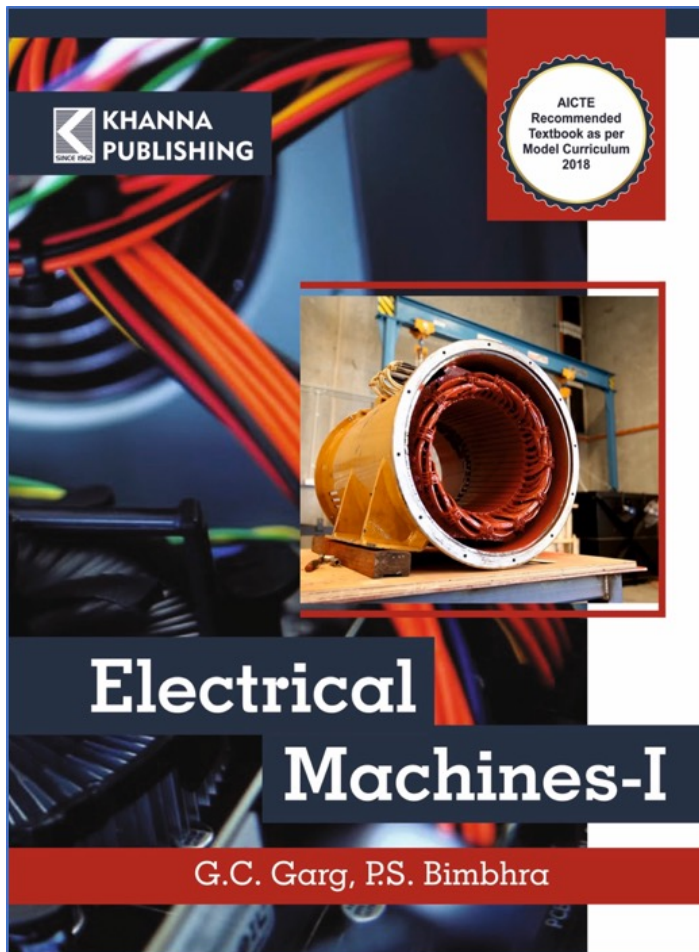
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### G.C. Garg

Prof. G.C. Garg retired as registrar from the Technical Education Department Haryana, Chandigarh. Before that he was Head of Deptt. In Electrical Engineering at Govt. Institution of Engineering Ambala City, Haryana. After Graduation in Electrical Engineering he has gone 2½ years regular advance course in Electrical Engineering with specialization of Electrical Machines in T.T.T.I. Chandigarh in collaboration with Netherlands Govt. under the guidance of Prof. B. Mone who was authority in Electrical Machines and Electrical Power. He has also undergone one and a half year Industrial/Power Projects/Field and Transmission & Distribution Power Stations. He is fellow of the Institution of Engineers (India).

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## Electrical Machines - I

**Author :** G.C. Garg

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## Product Description

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This book is written so that it serves as a text book for B.E./B.Tech degree students in general and for the institutions where AICTE model curriculum has been adopted. TOPICS COVERED IN THIS BOOK:-

- Magnetic field and Magnetic circuit
- Electromagnetic force and torque
- D.C. Machines
- D.C. Machines-Motoring and Generation

SALIENT FEATURES:-

- Self-contained, self-explanatory and simple to follow text.
- Numerous worked out examples.
- Well Explained theory parts with illustrations.
- Exercises, objective type question with answers at the end of each chapter.

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Chapter-1: Magnetic Fields and Magnetic Circuits Chapter-2: Electromagnetic Force and Torque Chapter-3: The Direct Current Machines Chapter-4: DC Machine-Motoring and Generation Chapter-5: Transformers



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## Author

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### **P.S. Bimbhra**

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

### **G.C. Garg**

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