

ELECTRICAL ENGINEERING DESIGN, DRAWING & ESTIMATION

ABOUT THE BOOK

This book is primarily intended to cater the needs of polytechnic students for different states. Electrical design, drawing and estimation is an important area for students as well as engineers. This subject is studied with different names, such as Electrical Engineering Design and Drawing I & II, Estimating, Costing & Design of Electrical Installations, Electrical Design, Drawing & Estimating-I & II and by other such names. The content of the text book has been developed by referring the syllabus of various State Boards of Technical Education in the country. In addition to inclusion of conventional topics, a chapter on introduction of Computer Aided Designing (CAD) in Electrical Drawings has been included in this book. This book consists of detailed diagrammatic description of service connection, power wiring and motor control circuits. Also, designing of small transformer, choke coils are explained with easy formulae and diagrams. This book is not only helpful to students but also to workers and engineers in industries.

Salient Features

- Book provides very clear, systematic description of various topics and circuit diagrams in a very simple style.
- Detailed description of complex wiring circuits and their cost estimation in a very simple language.
- A complete chapter devoted to introduction of CAD in electrical drawings.
- Assembly drawings of all related electrical equipments and machines.
- Point-to-point approach.
- Chapter summary and review questions are given at the end of each chapter.
- Text has been supported by figures for easy understanding and visual approach for problems.

ABOUT THE AUTHOR



Madhvi Gupta is working as an assistant professor in IFTM University, Moradabad in Electrical Engineering Department. She has been teaching, with admirable teaching techniques and experiences. She is pursuing Ph.D from Dr. A.P.J. Abdul Kalam Technical University, Lucknow with research on "Placement of FACTS Devices for Congestion Management". She has a number of papers in various national and international journals to her credit. She has written a book entitled "Installation, Maintenance and Repair of Electrical Machines and Equipments".



Ankit Agarwal is working as an assistant professor in IFTM University, Moradabad in Electrical Engineering Department. He has done B.Tech, M.Tech in Electrical Engineering from renowned universities. He has a vast experience of teaching Electrical Design, Drawing and Estimation course to polytechnic students. He has supported for the establishment of different laboratories for polytechnic. He has a variety of papers in various national and international journals to his credit.

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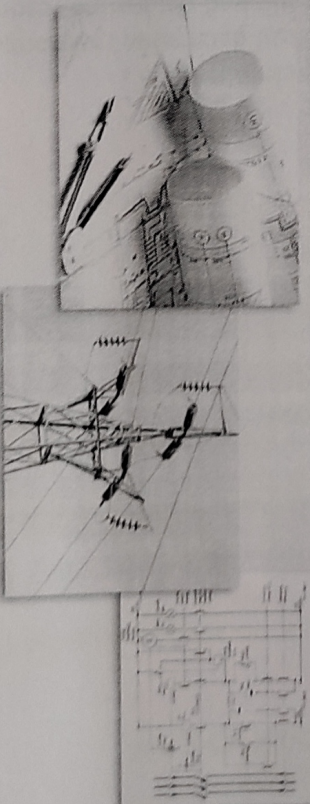
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