# Textbook Of Basic Electrical And Electronics Engineering Jb Gupta Pdf

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this research book volume offers an important learning opportunity with insights into a variety of emerging electronic circuit aspects such as new materials energy harvesting architectures and compressive sensing technique advanced circuit technologies are extremely powerful and developed rapidly they change industry they change lives and we know they can change the world the exhibition on these new and exciting topics will benefit readers in related fields

this book is designed for under graduate students of all branches those who are going to study electrical and mechanical technology as one of the subject in their curriculum the primary goal of this book is to establish a firm understanding of basic knowledge on dc machines single phase transformers three phase induction motors alternators measuring instruments energy sources internal combustion engines heat transfer power transmission and manufacturing methods the contents of this book are presented in a simple way for easy understanding and can be used as self study material

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this book features high quality peer reviewed research papers presented at the international conference on data electronics and computing icdec 2023 organized by department of computer science engineering mizoram university a central university aizawl india department of computer

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the only integrative approach to chaos and random fractal theory chaos and random fractal theory are two of the most important theories developed for data analysis until now there has been no single book that encompasses all of the basic concepts necessary for researchers to fully understand the ever expanding literature and apply novel methods to effectively solve their signal processing problems multiscale analysis of complex time series fills this pressing need by presenting chaos and random fractal theory in a unified manner adopting a data driven approach the book covers dna sequence analysis eeg analysis heart rate variability analysis neural information processing network traffic modeling economic time series analysis and more additionally the book illustrates almost every concept presented through applications and a dedicated site is available with source codes written in various languages including java fortran c and matlab together with some simulated and experimental data the only modern treatment of signal processing with chaos and random fractals unified this is an essential book for researchers and graduate students in electrical engineering computer science bioengineering and many other fields

green blockchain technology for sustainable smart cities presents a detailed exploration of the adaptation and implementation of green blockchain technology for sustainable and eco friendly smart city applications this book covers all aspects of the topic and explores smart cities ecosystem applications of blockchain technology novel architectural and business blockchain use case solutions in smart city implementations are at the core of this book which will be beneficial for all researchers engineers graduate students smart city practitioners and city administrators who are engaged in green blockchain and smart cities related technologies covers a wide variety of topics offers readers multiple perspectives from a variety of disciplines written by an

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