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Intelligent Transport Systems Asier Perallos, Unai Hernandez-Jayo, Enrique Onieva, Ignacio Julio García Zuazola, 2015-09-28 The book provides a systematic overview of Intelligent Transportation Systems ITS First it includes an insight into the reference architectures developed within the main EU research projects Then it delves into each of the layers of such architectures from physical to application layer describing the technological issues which are being currently faced by some of the most important ITS research groups The book concludes with some end user services and applications deployed by industrial partners This book is a well balanced combination of academic contributions and industrial applications in the field of Intelligent Transportation Systems The most representative technologies and research results achieved by some of the most relevant research groups working on ITS collated to show the chances of generating industrial solutions to be deployed in real transportation environments

Antenna Systems and Electronic Warfare Applications Richard Poisel, 2012 Antennas systems play a critical role in modern electronic warfare communications and radar Today s EW engineers need to have a solid understanding of the design principles of this technology and how antenna systems are used in the field This comprehensive book serves as a one stop resource for practical EW antenna system know how Supported with over 700 illustrations and nearly 1 700 equations this authoritative reference offers professionals detailed explanations of all the important foundations and aspects of this technology Moreover engineers get an in depth treatment of a wide range of antenna system applications The book presents the key characteristics of each type of antenna including dipoles monopoles loops arrays horns and patches Practitioners also find valuable discussions on the limitations of antennas system performance in EW applications

Basic Electrical Engineering Jntu 2/e T. K. Nagsarkar, T. K. Nagsarkar & M.S. Sukhija, 2007-10-11 [Index to IEEE Publications](#) Institute of Electrical and Electronics Engineers, 1998 Issues for 1973 cover the entire IEEE technical literature

Journal of Electrical and Electronics Engineering, Australia, 1981

Basic Electrical Engineering A. Kasatkin, 1980 **Basic Electrical Engineering** Mithal G K, 1998 [Basic Electrical Engineering](#) SINGH, S. N., 2010-10-30 This book presents comprehensive coverage of all the basic concepts in electrical engineering It is designed for undergraduate students of almost all branches of engineering for an introductory course in essentials of electrical engineering This book explains in detail the properties of different electric circuit elements such as resistors inductors and capacitors The fundamental concepts of dc circuit laws such as Kirchhoff s current and voltage laws and various network theorems such as Thevenin s theorem Norton s theorem superposition theorem maximum power transfer theorem reciprocity theorem and Millman s theorem are thoroughly discussed The book also presents the analysis of ac circuits and discusses transient analysis due to switch operations in ac and dc circuits as well as analysis of three phase circuits It describes series and parallel RLC circuits magnetic circuits and the working principle of different kinds of transformers In addition the book explains the principle of energy conversion the operating characteristics of dc

machines three phase induction machines and synchronous machines as well as single phase motors Finally the book includes a discussion on technologies of electric power generation along with the different types of energy sources Key Features Includes numerous solved examples and illustrations for sound conceptual understanding Provides well graded chapter end problems to develop the problem solving capability of the students Supplemented with three appendices addressing matrix algebra trigonometric identities and Laplace transforms of commonly used functions to help students understand the mathematical concepts required for the study of electrical engineering

Basic Electrical Engineering
 Uday A Bakshi,Varsha U Bakshi,2013 Basic Electrical Engineering Mehta V.K. & Mehta Rohit,2008 For close to 30 years Basic Electrical Engineering has been the go to text for students of Electrical Engineering Emphasis on concepts and clear mathematical derivations simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject Divided into 17 chapters the book covers all the major topics such as DC Circuits Units of Work Power and Energy Magnetic Circuits fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand Basic Electrical and Electronics Engineering M. S. Sukhija,2012 Basic Electrical Engineering KULSHRESHTHA.,2009 Basic Electrical Engineering and Electronics D.K. Sharma,P. Sharma,1986 **Basic Electrical and Electronics Engineering** R.K. Rajput,2007 **Basic Electrical Engineering** J. P. Tewari,2003 This Book Is Written For Use As A Textbook For The Engineering Students Of All Disciplines At The First Year Level Of The B Tech Programme The Text Material Will Also Be Useful For Electrical Engineering Students At Their Second Year And Third Year Levels It Contains Four Parts Namely Electrical Circuit Theory Electromagnetism And Electrical Machines Electrical Measuring Instruments And Lastly The Introduction To Power Systems This Book Also Contains A Good Number Of Solved And Unsolved Numerical Problems At The End Of Each Chapter References Are Included For Those Interested In Pursuing A Detailed Study *Basic Electrical Engineering (Jntu Ed)* Nagsarkar,T.K. And Sukhija,M.S.,2005-09-06 Basic Electrical Engineering Aleksandr Sergeevich Kasatkin,Mikhail Aleksandrovich Perekalin,1965 *Basic Electrical Engineering* Nagsarkar,Sukhija,2018-09-06 This third edition of Basic Electrical Engineering provides a lucid exposition of the principles of electrical engineering The book provides an exhaustive coverage of topics such as network theory and analysis magnetic circuits and energy conversion ac and dc machines basic analogue instruments and power systems The book also gives an introduction to illumination concepts *Electrical Engineering (For 1st Year of UPTU & UTU)* Navani J.P. & Sapra Sonal, Basic Of Concepts D C Circuit Analysis Network Theorem A C Fundamentals Analysis Of Single Phase A C Circuit Three Phase A C Circuit Measuring Instruments Introduction To Power System Magnetic Circuits Single Phase Trasformer D C Machines Induction Motors Three Phase Synchronus Machaines Papers Index **BASIC ELECTRICAL ENGINEERING** Dr. K. A. Navas,T. A. Suhail,2016-08-01 This book is prepared as per the syllabus of VISVESVARAYA TECHNOLOGICAL UNIVERSITY Karnataka for first year B Tech Engineering course

using the reference books given in the course syllabus Authors have tried to elucidate the topics such a way that even a mediocre student can assimilate them Many solved problems sample question papers and exercise given in every section will provide a thorough understanding of topics

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