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Basic Principles and Functions of Electrical Machines O.I. Okoro, Ph.D.1\*, M.U. Agu, Ph.D.1, and E. Chinkuni, Ph.D.2 1Department of Electrical Engineering, University ...

### **Basic Principles and Functions of Electrical Machines**

Dr. Ram Kumar S Professor & Head - Electrical and Electronics Engineering. Electrical and Electronics Engineering is one of the prestigious branches of Engineering, originated decades ago, from which various other branches like Electronics & Communication, Computer Science, Information Science etc., have emerged.

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- To build any electronic circuit, you'll need some combination of three basic components, resistors, capacitors, and inductors. It's easy to look at an electronic schematic and follow along to assemble a circuit with those parts, but if you want to design your own circuits or debug problems in an existing one, you need to understand what each of those components can actually do.

### **Electronics Foundations: Basic Circuits - [lynda.com](http://lynda.com)**

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Electron Theory Electron theory helps to explain electricity. The basic building block for matter, anything that has mass and occupies space, is the atom.

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## **Book:An introduction to electronics - Wikipedia**

The Institute of Electrical and Electronics Engineers (IEEE) is a professional association with its corporate office in New York City and its operations center in Piscataway, New Jersey. It was formed in 1963 from the amalgamation of the American Institute of Electrical Engineers and the Institute of Radio Engineers.. Today, the organization's scope of interest has expanded into so many related ...

## **Institute of Electrical and Electronics Engineers - Wikipedia**

in 1974, we used to read the marvin and Tepper series of electricity and Electronics books. After those, came HenryJacobwitz (I think is the name)- BASIC ELECTRONICS book.

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## **TRAP DESIGNS The Importance of Good Trap Design**

IEEE Guide for Surge Protection of Equipment v About the Authors Richard L. Cohen (Editor, Author) is a Consultant for lightning and surge protection. He was Vice President of Engineering at Panamax, Incorporated.

## **How to Protect Your House and Its Contents from Lightning**

Proper soldering technique and quality of solder are the lifeline of any PCB manufacturing and assembly. If you are into electronics, you must be knowing that soldering is basically a technique to join two metals using a third metal or alloy. In electronic PCB Manufacturing, assembly and rework, the metals to be joined are the leads of the electronic components (thru-hole or SMD) with the copper ...

## **Basic Soldering Guide - How to Solder Electronic**

Headed by Professor H. Tischner , the initial framework of the department was formed under a collaborative

programme with the University of Illinois, USA, through TCM involving exchange of faculty members.

### **Electronics and Electrical Communication Engg.**

Introduction to the uses of Mechanical, Electrical and Electronic switches. Understanding the fundamental of electronics from the knowledge of switch.

#### **Switch | The basic understanding of electronics comes from**

Experiment with an electronics kit! Build circuits with batteries, resistors, light bulbs, and switches. Determine if everyday objects are conductors or insulators, and take measurements with an ammeter and voltmeter.

View the circuit as a schematic diagram, or switch to a lifelike view.

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