

Resource links for CVAC Domestic Applications of Electronics (DAE) paper, Semester 2 of B.Sc. (3 Year and 4 Year) CCF syllabus of Calcutta University (CCF):

Photoresistor

[Photoresistor Basics: Types, Principles and Applications - Utmel](#)

[Photoresistor: Workings & Fundamentals | StudySmarter](#)

Photodiode

[Photodiode Basics, Working and Its Applications | EFY](#)

[Solar Photovoltaic Cell Basics | Department of Energy](#)

[Understanding Photovoltaic and Photoconductive Modes of Photodiode Operation - Technical Articles](#)

Phototransistor

[Phototransistor : Construction, Circuit Diagram & Its Applications](#)

Metal detectors

[Metal detector - Wikipedia](#)

LCD_displays

[LCDs vs. CRTs - How Computer Monitors Work | HowStuffWorks](#)

[What Is LCD? | Construction & Working | Basics](#)

Semiconductor sensors

[What are Semiconductor Sensors?](#)

[The Applications of Semiconductors in Sensors](#)

Diode and Transistor

[Diodes](#)

[Diodes & Transistors | Home](#)

[Transistors](#)

FET

[Field Effect Transistors](#)

[Field-Effect Transistor \(FET\): Characteristics, Operation, & Types](#)

Insulators, Semiconductors and Metals

[Band Theory for Solids](#)

[III-V Semiconductors in Optoelectronics | Beneg](#)

[Elemental Semiconductor - an overview | ScienceDirect Topics](#)

Seven Segment Display

[Seven-segment LED| Electronics Basics | ROHM](#)

[7-Segment Display Pinout, Codes, Working, Interfacing](#)

Microprocessors and Microcontrollers

[What's difference between Microcontroller \(\$\mu\$ C\) and Microprocessor \(\$\mu\$ P\)? - GeeksforGeeks](#)

Embedded Systems

[Introduction of Embedded Systems | Set-1 - GeeksforGeeks](#)

[Embedded system - Wikipedia](#)

[5 Real-Life Examples of Embedded Systems | Lemberg Solutions](#)

[What is an Embedded System? | Definition from TechTarget](#)

Modulation (AM and FM)

[Broadcast Signals](#)

[Need of Modulation in Communication Systems - GeeksforGeeks](#)

MCB and RCB

[RCCB, RCB, MCB Explained: Which One Do You Need?](#)

[What is the difference between RCD and RCB? - Quora](#)

[How to Choose MCB: An MCB Selection Guide](#)

[Miniature Circuit Breaker - How It Works | Tameson.com](#)

Electricity transmission

[Basics of Electric Power Transmission - Civildaily](#)

[Electrical transmission - Energy Education](#)

[Transmission of Electricity | Process, Types, Power Lines & Home Use](#)

[How electricity is transmitted UPSC.](#)

Microwaves and Microwave Oven

[Industrial microwave generators - SAIREM](#)

[1676957657.pdf](#)

[Mechanism of a Microwave Oven. | PPT](#)

Washing Machine

[Clothes washing machines: How they work - Explain that Stuff](#)

[Washing Machine Control Board 101: For Beginners - ApplianceChat.com](#)

Air Conditioner

[AC Working Principle: How Does An Air Conditioner \(AC\) Work?](#)

Loudspeakers

[How loudspeakers work - Explain that Stuff](#)

[Piezoelectric speaker - Wikipedia](#)

[What Are Woofers, Mid-Range Speakers, and Tweeters?](#)

Regulated Power Supply

[regulated power supply | PPT](#)

[LM317 Voltage Regulator : Circuit, Features and Its Working](#)

[IC 7808 Voltage Regulator Pin And Circuit Explained - EEE PROJECTS](#)

[Voltage Regulators 78xx and 79xx Family specifications and uses](#)

The above links have been compiled and shared for the benefit of students to complement and/or supplement whatever is being taught in the class.

Dr. A. Poddar
Dept. of Electronics
Surendranath Evening College
Kolkata 9.