



Start from Basic full Electronics:

Automatic Structure,
Current, AC,DC ,
Examples of AC,DC,
Waves,
Difference Between AC and DC
Difference Between Electronics and Electricals
Types of electronics Material -Conductor, Insulator, Semi Conductor
Development stage of Electronics from beginning of electronics to today's SMT,
NANO technology.
How to use Multimeter.

Electronics Components and Testing, Fault Findings–

Resistor:

What is Resistor? Work of Resistor. How to check Resistor? Type of Resistor, SMT Resistor, Resistors on Desktop. Color Coding, Soldering & De-soldering, and Resistor effects on Desktop.

Capacitor :

What is Capacitor? Work of Capacitor. How to check Capacitor?
Type of Capacitor? Capacitor on Desktop. SMT Capacitor,
Soldering & De-soldering of Capacitor / SMT Capacitor. Capacitor effect on Desktop.

Inductor:

What is Inductor? Work of Inductor? Type of Inductor. How to check Inductor?
Soldering & De-soldering of Inductors. SMT Inductors, Inductor effects on Desktop.

Crystal Oscillator:

What is Crystal? Work of Crystal? Types of Crystal? Soldering & De-soldering.
Frequencies of Crystal. How to Check Crystal? Oscillation of Crystal. Crystal Effect on Desktop.

Diode:

What is Diode? Work of Diode? Types of Diode? Use of Diode in Desktop.
Soldering & De-soldering. How to Check Crystal? Diode Junctions. SMT Diode.
Diodes in Desktop. Diode effect on Desktop.

Transformer:

What is Transformer? Work of Transformer? Types of transformers?
SMT Transformer, How to Check transformers? Soldering & De-soldering.
Transformers Fault finding, Transformer effect on Desktop. How to Work
Transformer in SMPS/ Desktop Adaptor?

Transistors: (Including MOSFET)

What is Transistor? Work of Transistor? Types of Transistor? SMT FET, SMT Transistor. Soldering & De-soldering. How to Check Transistor, MOSFET?
Transistor, MOSFET effect on Desktop.

IC: (Integrated Circuit)

What is I.C? Work of IC? Types of IC?

IC Theory in Details. How to check IC? All types of IC Soldering and De-soldering.

IC's Fault Findings.

SMPS

Desktop:

Assembling and Disassemble of all Make (types) of Desktop

All Desktop Motherboard in Details points.

Desktop every section wise Information and identification.

Different types of Desktop motherboard sections in Depth:-

Voltage regulator modulation with CPU Core voltages and VID selector.

CPU Section in motherboard.

Graphics section of VGA/HDMI, with DSP in motherboard.

Temperature section in core with CPU and Other section.

North-Bridge section in motherboard.

South-Bridge section in motherboard.

Memory Section in motherboard.

Clock Section in motherboard.

Input/Output controller section in motherboard

BIOS section in motherboard

Keyboard, Morse, USB, PCMCIA, Audio section in Desktop motherboard.

Desktop Display – LCD / TFT / LED including Invertors, CCFL lamp, LVDS In details.

Practical On: Soldering Machine with industrial tricks.

SMD/SMT Reworks Station with industrial tricks.

BGA Reworks Station, All Types of IC Programming.

(Including BIOS with programmer)

Key-Marks- >

All Section in details with live practical with all models of Desktop

Student Kit-> 1. Updated Desktop Schematics CD.

2. Printed Notes in details.

3. India's most valuable market visits & Material Dealer / Distributor Contact for business purpose only.

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