

## Course Outline & Syllabus

# DIPLOMA IN LAPTOP SERVICE & MAINTENANCE

The course curriculum is designed and prepared by

**et&t**



## 1st Month Introduction Basic Electronics.

### Practical on Electronics components

Conductor, insulator

Resistor

Capacitor

Diode

Transistor

Led

Crystal

Fuse

On/off Switch

IC & Protector.

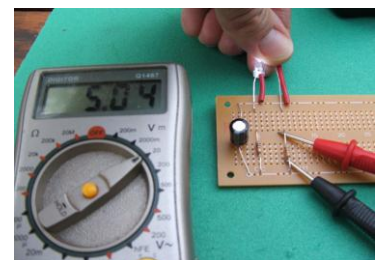


### Familiarization with tools



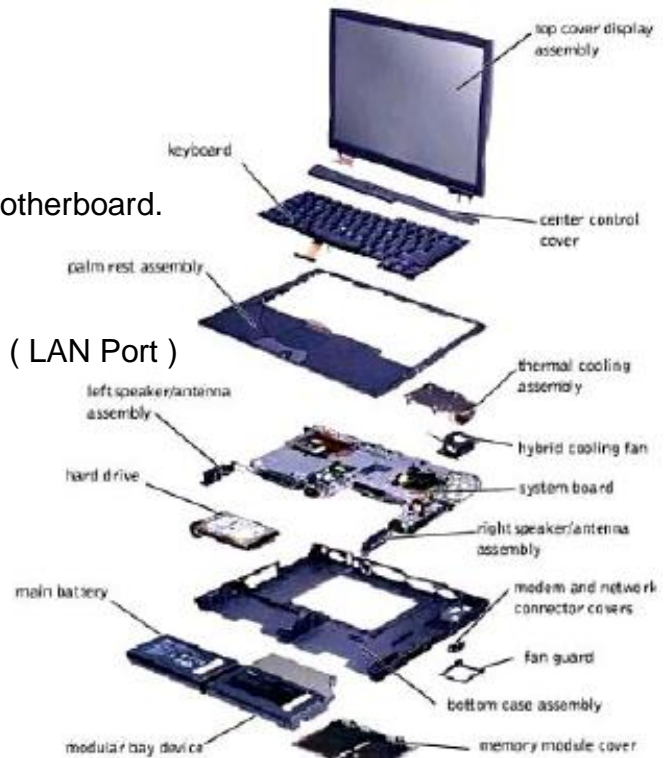
### Fault testing and measuring through

Multimeter and other Measuring Device.



# LAPTOP MAINTENANCE

- 1) Laptop Charger Maintenance technique
- 2) Block Diagram of Adaptor.
- 3) Schematic Diagram of Adaptor.
- 4) Faulty fining of Adaptor.
- 5) Charger Repairing.
- 6) Battery Types.
- 7) Components Of a Laptop
- 8) Block Diagram & Components of Laptop Motherboard.
- 9) Identification & Fault finding of PS2 Port
- 10) Identification & Fault Finding of Com Port
- 11) Identification & Fault Finding Of LPT Port
- 12) Identification & Fault Finding Of RJ 45 Port ( LAN Port )
- 13) Identification & Fault Finding Of Sound
- 14) Identification & Fault Finding of Ram Slot
- 15) Identification & Fault Finding of USB Port
- 16) Identification & Fault Finding of IDE
- 17) Fault Finding of Keyboard
- 18) Fault Finding of Mouse/ Touchpad
- 19) No Display
- 20) Processor Heating.Ram Heating
- 22) Hanging Problem
- 23) Voltage Checking
- 24) Signal Checking
- 25) Bios Setup/Programming
- 26) LCD
- 27) Soldering & Dislodging
- 28) SMD Rework Station Use
- 29) BGA Rework Station
- 30) Password Resetting
- 31) Touch Pad



## **SOFTWARE:-**

- DOS Commands
- Harddisk Partition, formating
- OS Installation
- Driver Download & Installation
- Antivirus Installation
- Other Software Installation
- Data Recovery
- Drive Resizing
- OS Backup & Restore
- Internet Connection

