

Schedule for fast- track course 12 days

DESKTOP COURSE 6 Days.

1st Day –

Basic Electronics & Micro components:

Functions, Applications, Testing using multimeter
using frequency tester
Difference between AC & DC.
RTC Crystal
Concept of source & load.
Concept of open, short & ground.

2nd Day -

Using SMD station & solder iron - specifications and settings
Replacement of micro components
Replacement of THT components
Replacement of IC: QFN package & 2 gate IC

3rd Day –

Logic Portion

Block diagram & IC functions:
Slots, ports & port voltages and Pinouts
PCI slot counting.
RAM slot counting & voltages marking.

4th Day –

Power Section:-

Power on sequence
PWM sections
RAM power supply.
Chipset & other powers Supply.

5th Day -

Practical Session:-

No lecture- practical for,
Replacement of micro components & testing.
Replacement of QFN IC.
Replacement of 2 - Gate IC.

6th Day

Motherboard signal testing guide:-

PCI slot signal testing
BIOS Signal frequency testing
Ram Slot signal testing – RAS, CAS, WE
Clock synthesizer testing
Troubleshooting – common problems & peripheral failure.
Debug card & RAM slot tester.

LAPTOP COURSE 6 Days

7th Day –

Using BGA Rework station- Reballing of BGA IC

(ADVANCE) - Replacement of 4 Gate chips by Vertical Drag Solder Technique

Professional Soldering (ADVANCE) - Process of filing ,Tinning, Wetting, Reflow, Wicking

8th Day –

Assembly & disassembly of laptop using Service Manual

Block Diagram Components & Layout of systemboard

Functioning of all peripherals & different slots

9th Day –

Practical fault finding of power section

Volt IN, Power Rail

PWM section testing & faults

RAM power section & faults

Primary step down section testing & faults

Secondary step down section testing & faults

Charging & discharging section testing & faults

10th Day –

Practical signal testing using schematics.

Power Logic Sequence of laptop System board, CPU Functions sequence of system board

Trouble shooting – USB, keyboard, hard disk, optical drive, display parts, touchpad, wifi

11th Day –

No Lecture- only practice sessions

12th Day-

Universal inverter replacement for LCD

BIOS Programming – Nana Bios Flasher.

Instructions for trainees

1. Grades will be dependent upon daily sessions
2. 1/2 hrs. daily practice for 3 months is necessary to perish the practical skills after course completion
3. Audio recordings should be listened on the same day of lecture
4. For repetition of Topic, inform trainer and contact office for schedule
5. Missed sessions can be attended according to schedule only, contact office for schedule
6. For future support after course completion,
Whats App group: Oscillate Solutions
Google Drive links: oscillatesolutions@gmail.com
7. For arriving for further support please carry own tools –
(Multi meter, Power adapter, Twizzers, etc.)

Fee Structure:-

No	Course	Fees	Timing	Course Duration
1	Basic Hardware	4000/-	9.00 am to 10.30 am	15 Days
2	Laptop Repairing Course	10,000/-	11.00 am to 5 pm	6 Days
3	Desktop motherboard	5,000/-	11.00 am to 5 pm	6 Days
4.	Mobile Repairing Course	5,000/-	8.00 am to 10:00 am	12 Days
	Free Mob. Repairing Course	Free	Same Time	6 Days
5.	Printer Repairing Course	12,500/-	8.00 am to 10:00 am	15 Days
<p>Offer: 1) Laptop, Desktop Motherboard Rs. 12,500 + FREE MOBILE COURSE</p> <p>Offer. 2) Laptop, Desktop Motherboard, Mobile, and Printer repairing course Rs. 25,000/-</p> <p>(ON ONE TIME PAYMENT)</p> <p>Hostel Charges Rs.2500/- for 15 days.</p>				

Required Documents (self-attested Photo copy)

- 1 Education Certificate (Marksheet / Leaving Certificate / Birth certificate)
- 1 Photo ID proof (Aadhar Card / Voter ID card)
- 1 Pass port size Photograph

Note:

Mention '**For Oscillate Technical Institute certification purpose**' on the provided documents