# LAPTOP MOTHERBOARD TRAINING (LVL-2)

CHIP SYSTEMS
TECHNICAL & SKILL DEVELOPMENT CENTRE
Years of Experience | 20000+ Students Trained

# LAPTOP
## MOTHERBOARD CHIP LEVEL
# TRAINING
L2

**DIRECT CLASSROOM TRAINING**
**@ CHENNAI**

### SMT ELECTRONICS TRAINING TOPICS

- SMT Electronic Component testing
- Motherboard SMT Resistor Checking Method
- Motherboard SMT Capacitor Checking Method
- Motherboard SMT MOSFET Checking Method
- Motherboard SMT Inductor / Diode Checking Method

### LAPTOP CHIP LEVEL TRAINING TOPIC

- Motherboard 10 Sections Analysis
- Battery Charger Circuit Troubleshooting
- Motherboard Voltage Regulator Troubleshooting
- Motherboard CPU Circuit Troubleshooting
- Motherboard Ram Circuit Troubleshooting
- Fault Finding Method Through CRO
- Removing the Mbrd Ball Chip Through BGA Mahine

### WHO MAY ATTEND:

- People in Service
- Job Seeker
- Self Employed
- Engineers
- Corporate
- Students
- NRI Returned
- Retired People
- Interested People

### WE PROVIDE:

- Reference Book Material
- Certificate
- Back Up Support for Doubt Clearing.

**Rs.8450/-**

**98410 99911 / 94440 34246**
www.chipsystems.in

2 Photo, 1 Address Proof, Registration Charges Rs.250 is Extra

H.O : No 107, Lake View Road,
West Mambalam, Chennai-33 info@chipsystems.in

## Course Details

| | |
|---|---|
| Course code | ADLM<br>S |
| Course Name | **Advanced Diploma in Laptop Motherboard Training (Lvl-2)** |
| Course Type | Classroom Training |
| Eligibility | No Need |
| Age Limit | No bar |
| Duration | 21 days |
| Batch Type | Regular, Fast Track, Week End (Saturday only) |
| Timing | Regular Class: 1 hr = 20 Days Daily Class \| 2 hrs = 10 Days Daily Class<br>Weekend Class: 4 hrs X 4 Weeks of Every Saturday only (Fast track) |
| Payment Mode | Debit Card, Credit Card, Net Banking, Paypal, Gpay |
| Registration | 2 Photo, 1 Address Proof, Registration Charges Rs.250 is Extra |
| We provide | Space- Includes Class rooms & Lab with all facilities, Course materials, Note, Pen, Life time Backup Support, Whole sale materials Purchase References, Old & New materials contacts, Job Assistance, Self-Employment Assistance &Etc… |
| Exam | Online Examination with Online Verified Certificate. |

# LAPTOP MOTHERBOARD TRAINING (Lvl-2) TOPIC'S

1. What is motherboard? And Laptop motherboard block diagram explain
2. Basic electronics introduction
    a. RESISTOR
    b. CAPACITOR
    c. INDUCTOR AND TRANSFORMER
    d. DIODE
    e. Integrated circuits [IC]
3. How to Solve Laptop Power Adapter Problem? – Practical
4. Power Section-How Laptop Power Section Works?
5. Adapter V In Section [AC-Mode] -Practical
6. Battery Charging Section [Charge Mode]-Practical
7. DC mode
8. Step-Down Regulator Section
9. MAIN STEP-DOWN VOLTAGE REGULATOR CIRCUIT [3.3V & 5V] Circuit Fault Finding/Tracing and its Troubleshooting Tips
10. CPU V core circuit fault finding -practical
11. CPU V core circuit fault finding
12. MEMORY [DDR1/DDR2/DDR3] VOLTAGE REGULATOR SECTION Circuit Fault Finding/Tracing and its Troubleshooting Tips [2.5V/1.8V/1.5V]
13. CHIPSET VOLTAGE REGULATOR SECTION Circuit
14. Fault Finding/Tracing and its Troubleshooting Tips [1.5V/1.05V]
15. Ram and chipset voltage regulator circuit
16. Laptop motherboard voltage checking method for power fail laptop motherboard [motherboard Dead]
17. LAPTOP -No Display Problem-PRACTICAL
18. Clock Frequency Checking-CRO Practical
19. BGA REWORK PRACTICAL
20. LCD Screen Power Supply Section
21. BIOS FLASHING METHOD -Practical
22. Audio section problem -practical
23. USB power circuit problem and its troubleshooting

# SAMPLE CERTIFICATE

Udyog Aadhaar No: TN02E0053508

# Certificate

*This is to certify that Mr. / Ms. / Mrs.*

**UNNI M THOMAS**

*has successfully completed the Direct Course of*

**ADVANCED DIPLOMA IN CCTV CAMERA TRAINING WITH SMT (ADCCS, ADSE)**

*From the period of* 19.01.2015 *to* 06.02.2015

*He / She has secured* DISTINCTION *class*

*in the examination, conducted by Chip Systems*

*on* 07.02.2015 *through Online Certification Program*

**MANAGER (ADMIN)** **TECHNICAL DIRECTOR**

CCP CERTIFIED

Date of Issue : 07.02.2015

Verification No: CS-IND33764

For Online Verification logon to: www.chipsystems.in/verification

CHIP SYSTEMS®
TECHNICAL & SKILL DEVELOPMENT CENTRE

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1. **Chip systems has been established on 1st Jan 2001 and our motive is to develop highly qualified service engineers and entrepreneurs.**
2. **We have more than 20 years of rich experience in technical training with strong technically qualified trainers.**
3. **We have 25 classroom trainings, more than 14 online trainings and more than 16 technical books & DVD kits.**
4. **Chip systems is the only institute with all type of technical courses under one roof with various learning methods.**
5. **We have developed more than 20,000 service engineers and entrepreneurs.**
6. **We are providing online verified certificates for the courses.**
7. **No age criteria or qualification required to take our technical training courses.**
8. **Chip systems mainly gives practical trainings.**
9. **Chip systems has reached 150+ countries and trains people across world especially from US,UK,UAE.**
10. **We are the trendsetter in chip level trainings.**

**WE OFFER FRANCHISEE ALL OVER THE WORLD**

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