



SENINFOTECH

LAPTOP CHIP LEVEL TRAINING INSTITUTE



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About Us.

Introduction

Sen Infotech is a leading Laptop Service & Training Center located at Netaji Chowk, Vivekananda Colony, Purnia, Bihar. Established and managed by Jyoti Karmakar, our center is dedicated to delivering high-quality chip-level laptop repair training along with expert hardware and electronics services. We combine modern diagnostic tools, advanced lab facilities, and hands-on practical sessions to ensure every student gains the confidence and skills required to excel in today's fast-growing electronics repair industry.

Beyond laptop training, Sen Infotech provides comprehensive solutions including hardware & software services, printer repair, CCTV camera installation and maintenance, LED/LCD TV repair, and mobile repair training. Our mission is to empower students, technicians, and entrepreneurs with real-world knowledge, lifetime technical support, and career guidance—helping them turn technical expertise into successful employment or self-employment opportunities.



Mission & Vision.

MISSION

To empower students, technicians, and entrepreneurs with cutting-edge technical skills and practical knowledge in electronics and IT hardware. We strive to bridge the gap between learning and earning, helping every learner build a successful and sustainable career.

VISION

To become a center of excellence in electronics repair and technical education, empowering individuals with advanced skills in laptop chip-level servicing, hardware, and emerging technologies. We envision creating a network of highly skilled professionals and entrepreneurs who can deliver reliable, innovative, and eco-friendly repair solutions, contributing to a sustainable and technology-driven future for our community and beyond.



Why Choose Us ?

- 100% practical, hands-on training with real equipment and faulty devices.
- Experienced trainers with years of field expertise.
- Advanced lab setup with modern diagnostic and repair tools.
- Lifetime technical support and career guidance for students and entrepreneurs.
- Recognized certifications to boost your professional credibility.

What We Offer ?

- **Recognized Certification** on successful course completion to boost your career profile.
- **Comprehensive Training Programs** covering Laptop Chip-Level Repair, Hardware & Software, Printer Repair, CCTV Camera Installation & Maintenance, LED/LCD TV Repair, and Mobile Repairing.
- **100% Practical Sessions** with real faulty laptops, printers, TVs, and mobiles for hands-on learning.
- **Advanced Lab & Modern Tools** including BGA rework stations, digital oscilloscopes, BIOS programmers, and professional diagnostic equipment.
- **Flexible Class Schedules** – Regular, Weekend, and Fast-Track batches for students and working professionals.
- **Lifetime Technical Support** to help you solve future technical challenges.
- **Career & Business Guidance** with job placement assistance and step-by-step help to start your own service center.
- **Affordable Fees** ensuring quality training that fits every budget.
- **Personal Attention** – Small batch sizes for better understanding and one-on-one guidance.
- **Latest Industry Updates** so you stay current with new technology and repair techniques.
- **Entrepreneurial Support** to set up your own laptop, mobile, or electronics repair business.
- **Data Recovery & Security Training** for advanced career opportunities.
- **Hands-on Case Studies** to build confidence in diagnosing and fixing complex issues without schematics.

Our Services

At Sen Infotech, we provide a wide range of reliable and professional services including laptop chip-level repair, hardware & software solutions, printer repair, CCTV camera installation & maintenance, LED/LCD TV repair, and mobile phone repairing. We are committed to earning your trust through timely delivery, transparent service processes, and the highest quality workmanship. Our team ensures prompt and effective support even after service, giving you peace of mind and a dependable partner for all your electronics repair needs.

**LAPTOP CHIP-LEVEL
REPAIR AND
MOTHERBOARD
TROUBLESHOOTING**

**HARDWARE &
SOFTWARE
SOLUTIONS**

**CCTV CAMERA
INSTALLATION &
REPAIR**

**PRINTER REPAIR
AND MAINTENANCE**

**LED/LCD TV
REPAIRING**

**MOBILE PHONE
REPAIRING AND
TRAINING**

Course Title : Advanced Laptop Chip - Level Repair and Motherboard Troubleshooting + Internship

Duration : 6 months

Our comprehensive Laptop Chip-Level Training course is designed for aspiring and experienced technicians who want to master the art of repairing laptop motherboards at the component level. Move beyond simple hardware replacements and learn to diagnose and fix complex circuit issues, opening up a world of professional opportunities and self employment.

Are you ready to elevate your career in electronics repair ?

Why Choose This Course ?

- **100% Practical Training** : Our curriculum is heavily focused on hands-on practice, allowing you to work on real, faulty motherboards from various brands like Dell, HP, Lenovo, and more.
- **Expert Instructors** : Learn from seasoned professionals with extensive experience in the field of chip-level repair.
- **State-of-the-Art Lab** : Gain experience with advanced diagnostic and repair tools, including BGA rework stations, digital oscilloscopes (DSO/CRO), BIOS programmers, and more.
- **Comprehensive Curriculum** : From fundamental electronics to advanced signal tracing, our course covers every aspect of chip-level repair.
- **Career and Self-Employment Support** : We provide lifetime technical support, job assistance, and guidance for starting your own repair business.
- **Certification** : Receive a recognized certification upon successful completion of the course.

Course Curriculum

Module 1 : Fundamentals of Electronics & Computer Hardware.

- **Introduction to Laptops vs Desktops** : Laptop & Desktop Disassembly and Reassembly.
- **Basic Electricity and Electronics** : AC/DC, Voltage, Current, Resistance.
- **Identification and Testing of Electronic Components** :
 - Resistors, Capacitors, Diodes, Inductors, Fuses.
 - Transistors, MOSFETs, and Integrated Circuits (ICs).
- **Working with Essential Tools** :
 - Digital Multimeter
 - Soldering Iron and Hot Air Rework Station
 - DC Power Supply

Module 2 : Motherboard Architecture & Circuit Analysis

- **Understanding Motherboard Block Diagrams and Schematics**
- **Tracing Different Motherboard Sections** :
 - DC-in / Adapter Section
 - Battery Charging/Discharging Section.
 - System Power Sections (3V/5V, 1.8V, 1.5V)
 - CPU Core Voltage (V-Core) Section.
 - RAM Section
 - Graphics (GPU) Section.
 - Northbridge and Southbridge (PCH/Chipset).
 - I/O Controller (Super I/O)
- **Understanding Power States and Power Sequencing (S0, S3, S4, S5)**

Course Curriculum

Module 3 : Advanced Chip-Level Repair Techniques.

- **BGA Rework :**
 - Introduction to Ball Grid Array (BGA) chips.
 - Using a BGA rework station for chip removal and reballing.
 - Reballing techniques for GPU, PCH, and other BGA ICs
- **BIOS Programming & Firmware Repair :**
 - Understanding BIOS, EC (Embedded Controller), and Firmware.
 - Using a Universal BIOS Programmer to read, write, and repair corrupted BIOS chips.
 - Solving common BIOS-related issues like "No Display" or "No Power".
- **Signal Tracing and Diagnostics :**
 - Using a Digital Oscilloscope (DSO/CRO) to check for signals like Clock, Reset, and various power signals.
 - Advanced troubleshooting with a debug card.
- **Diagnosing and fixing common problems :**
 - Dead motherboard ?
 - "No Display" and "Junk Display"
 - Overheating and auto-shutdown
 - Charging and battery issues
 - USB, keyboard, and touchpad problems


Module 4 : Practical Application & Case Studies

- Hands-on practice on a variety of faulty motherboards.
- Learning to diagnose and repair issues without schematics.
- Understanding component-level faults and their solutions.
- Data recovery and password removal techniques.

Contact us today to learn more and enroll !

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