



**Revitalizing Career In Computer, Laptop
Mobile, Smart TV, CCTV & Printer
with Chip Level Repair Technology**



www.mindproindia.com



mindpro
ACADEMY

Mindpro Academy is a Division of CET Excellence Pvt.Ltd. registered and incorporated under the companies act 1956, is India's pioneer institute for training in chip level repairing of Computer and Mobile Hardware Technology.

Mindpro Academy is one of the fastest growing and most successful training centers in India for Computer, Laptop, Printer and Mobile Hardware Technology. CET Excellence Pvt. Ltd. today has an enviable reputation based on the achievement of our staff and student.

More and more employers are looking for qualified professionals in industrial and special skills. Our entire course here is of highest International standards. Which is why, a Blue-chip company are putting forward their demand of Computer and mobile engineers to us. Soon India will be the second largest user of Computer and Mobile phone in the World. This is the golden opportunity to find a job with lucrative salary easily in India and abroad.

If you wish to be self-employed, then this course offers bright future for you. Our experience in Computer and Mobile phone service technology business in association Mindpro's highly qualified team has enabled us to develop these courses.

The course is so designed that it enables a complete to start repairing of Computers, Laptop, Printer and Mobile phones at part to be a competent engineer, right down to component level. Here we understand the needs of modern service center, which helps tailor the course to your individual needs.

All training and courses are approved by professional hardware and software engineers.

Placement

Mindpro offer you an opportunity to touch highest level of your potential. Therefore, if you are looking for the right opportunity your search ends with us.

Career at Mindpro is superb because it provides you monetary reward, respect, stability and high social status. We hire the persons of positive attitude and promote their skills.

We always welcome to the talented, ambitious and enthusiastic individuals who love to challenge the standards and willing to set new standards in order to achieve the outstanding goals successfully and efficiently.

100 % Practical
+100 % Job Oriented

100 % Career



Career in Chip Level Repair Technology in Computer/Laptop

Thousands of Hardware Training Institute has come up in this two decade to produce hardware Engineers for Card Level troubleshooting the faulty systems. Presently there are more than 2 lakhs Hardware Engineers working in Eastern India. But very few or rather none have come up in the field of Chip Level Repair Technology. But in the developing and third world countries like India, the scenario is totally different due to low manpower cost and economical status.



People have a tendency to get the Electronics peripherals repaired as long as possible. Mindpro took a long dedicated Research and Development to make Repair Technology feasible in India.

The whole repairing can be done at 80% less cost than Card level.

So the scope of Component Level Repairing is increasing day by day. Every year thousands of Desktop PCs, Servers, Printers, and Laptops etc. are being sold and these Electronics Products becomes faulty/defective during warranty as well as after warranty.

The advantages of chip Level Engineer over Card Level Engineer will always be there because of better troubleshooting knowledge by understanding the measurements of parameters of ICs and discrete components of which each peripheral are made of. For example, a Computer have motherboard problem, which will cost about Rs. 3000/- for a new Computer in order to Service it, so a Card Level Engineer will suggest to the customers to buy a new motherboard where as a Chip Level Engineer will suggest to repair the faulty motherboard at approx. Rs. 500/- and bill at Rs. 1500/- to the customer. Therefore the demand for the Chip Level Repairing will remain in India for all the time to come.

Practical, friendly guide to repairing Laptops in easy-to-understand language, detailed problems & solution tutorials is key stone of our way of teaching. Our course emphasizes a deep understanding of "how a Laptop works", How to diagnose and repair problems; it concentrates on practical, "hands-on solutions" that can be implemented right away.



Remuneration of Chip Level Repair Engineer

A Chip Level Repair Engineer will get much higher salary in any firm as compared to Card Level Hardware Engineer. So those who know the Chip Level Repair Technology are the prestigious and elite ones. More over, getting a lucrative job in any MNCS is quit difficult without knowing chip Level repairing.

CCTV Repairing

About Cctv Camera And Installation

1. Basic concept of CCTV camera and its work
2. How many types of devices used for cctv installation work.
3. What is Digital and Analog Technologies in CCTV Camera?
4. Types of Camera according to design, specification and features.
5. How to choose a CCTV Camera for different location and area?
6. Camera Angle, Distance, Width, & Degree selection
7. How to create a CCTV Cable for connection.
8. Types of connectors for cctv camera installation work.
9. Physical connection of storage device in DVR
10. CCTV Camera Installation with DVR.
11. How to create Network Cable (cat5, Cat6) with RJ45 connector for IP Camera installation.
12. Process of IP Camera installation with NVR.
13. How to connect mic and speaker with cctv camera



Cctv Camera Faults & Repairing Solutions

1. Parts of CCTV camera
2. Assembling and disassembling of different types CCTV Camera
3. Working concept of CCTV camera parts
4. Faults of cctv camera
5. Repairing and solutions of cctv camera faults
6. Practical of CCD camera (Two way communication camera)
7. Cable connection and Socket knowledge of CCD camera



Camera Lense & Lighting Concept

1. What is CCTV Camera Lenses?
2. Difference between Manual Iris Lens & Auto Iris Lens.
3. Difference between fix lenses and vari focal lenses.
4. What is Lighting concept in CCTV camera installation work?
5. Infrared and its Explanation according to distance.

Power Supply Concept

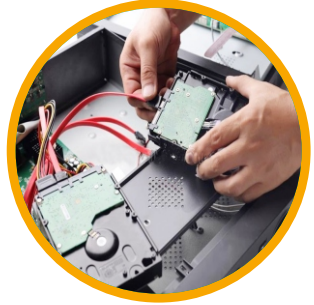
1. How many types of power supply used in cctv installation work
2. Various voltage of camera, DVR and NVR – 24 V, 12 V, 19 V,
3. Individual Plug in and common SMPS
4. Selection of power supply according to project



Career in Chip Level Repair Technology in Computer/Laptop

Transmission Media

1. What is Transmission Media?
2. Types of cable used for CCTV Cable
3. Use of RCA, HDMI, RG6, RG11, RG58, Coax, Cat6, cat5 Cable
4. Power supply concept according to cable distance



Switcher (customized & Readymade Switcher)

1. What is switcher?
2. How many types of switcher?
3. How to connect Switcher with CCTV Camera
4. Use of switcher

Storage Device Concept In Cctv

1. Types of storage device in cctv.
2. T Physical connection of storage device.
3. T Recording types of cctv camera for storage.
4. T Complete knowledge of software for storage device management

DVR (Digital Video Recorder) & NVR (Network Video Recorder)

1. What is DVR and NVR?
2. Difference between DVR and NVR
3. Types of DVR and NVR
4. About all ports of DVR and NVR
5. Practical on different types of DVR application Software



Cctv Camera Online (networking)

1. What is Networking concept in CCTV
2. Concept of Network Cable Color Coding for connection
3. LAN & WAN Network Setup Configuration
4. About Routers and Modem
5. About Control Panel of Routers
6. How to take camera online on smart phone and Laptops
7. How to Get reminder mail of camera error
8. Practice on Android based application for DVR & NVR to view camera online

Computer Hardware & Networking

Computer Hardware

1. Introduction of Computer, Types of Computer
2. ESD and power supply , Power Supply Device
3. Input and Output Device.
4. Hard Disk , RAM / ROM, Processor and their types
5. Buses and different types of buses
6. Display Cards and their types
7. Motherboard and types of Motherboard, CMOS Setup
8. Assembling and Disassembling of PC
9. Introduction to O/S, Introduction to MS-DOS
10. DOS Internal and external Command
11. Installation of Windows XP, Driver and Software Installation
12. Control Panel Option, System Tools Utility
13. Backup and Restoring the Data, Introduction to Windows 7
14. Installation of Windows 8 O/S
15. Installation of Windows 10 O/S
16. Introduction to Windows 2008 Server
17. Different features of Windows 2008 Server
18. NTFS permission, Creating User and Security Setting



Networking

1. Introduction to Networking
2. Types of Networking LAN, MAN, WAN
3. Different Network Devices, Network Topology
4. Cabling (Cross Cable / Straight Cable)
5. IP Address and Planning of Network
6. Networking with Windows XP
7. Networking with Windows 7
8. Networking with Windows 8
9. Networking with Windows 10
10. Networking with Windows 2008 Server

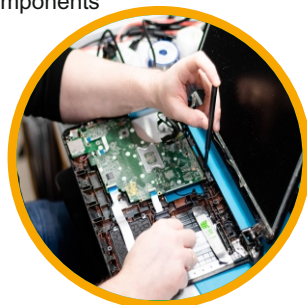


Career in Chip Level Repair Technology in Computer/Laptop

Computer & Laptop Chip Level Repairing

Electronics

1. Introduction, History of Electronics & Branches of Electronics
2. Electronic Theory, Charges & its Properties, Atomic Structure,
3. Conductor, Insulator, Semiconductor, Symbols of electronics Components
4. Ohm's Law, Voltage & Current and Relation among V, I & R
5. Frequency, Time Period & Wavelength
6. Multimeter and its Use
7. Practical: Checking of AC/DC Voltage and Current
8. Basics of PCBs, SMD & Non-SMD Components,
9. Resistors & its types, Capacitors & its types
10. Practical: Checking & identification of resistor and capacitors
11. Diodes and its type
12. Coil/ Inductors, Transformers & Its Types, Crystal
13. Transistors (NPN, PNP), Integrated Circuits (Leg IC/ Ball IC)
14. Practical: Checking & identification of Diode, Coil & Transistor



Desktop Motherboard

1. Various I/O and peripheral devices of a PC
2. Use of different tools and equipments
3. Soldering and desoldering
4. CPU Overview, CPU Socket and slot overview
5. Block Diagram of Motherboard
6. BIOS Overview
7. Motherboard Overview, Introduction,
8. Types of motherboard Various I/O Ports and connectors of Motherboard
9. Post Diagnostic Cards
10. Motherboard Checking Procedures
11. Physical Verification and Checking of power supply line
12. Checking Motherboard without inserting power connector cable
13. Checking of motherboard after inserting power connector cable but not switching on
14. Checking of motherboard after switching on the system but not inserting CPU and RAM
15. Checking of motherboard by inserting CPU but not inserting RAM
16. Checking of motherboard by inserting CPU and RAM
17. Checking of post screen & Vector Table



Laptop

1. Introduction of CPU & NB Processor
2. Hyper Threading & Hyper Transporting
3. SD-RAM, DDR1 & DDR2
4. BIOS Details, IDE & SATA Hard Disk
5. NB Motherboard, Assemble & Disassemble of NB

LED & LCD TV REPAIRING

About LED, LCD & CRT TV

1. Introduction of LED/LCD /CRT TV
2. Difference between LED and LCD TV

Basic Electronics

1. Introduction of Electronics.
2. Symbols of electronic component.
3. Current, Voltage, Power.
4. Conductor, Insulator, Semi Conductor.
5. Resister, Type of Resister and its color code.
6. Capacitor and type of capacitor.
7. Inductor, Transformer and types of transformer.
8. Diode, Transistor and Thermister.
9. IC, Crystal and PCB, Identify of Electronics components
10. Use of Multi Meter and component checking.
11. Use of Hot Air Gun Machine(SMD) and Soldering Iron Machine
12. How to remove and fix faulty components from Board?



LED & LCD TV Repairing

1. LCD and LED TV hot and cool testing.
2. Block diagram of LCD and LED TV and smart TV
3. LCD and LED TV power circuit board details
4. LCD and LED TV assembling & disassembling
5. Main board testing of TV, T-con board testing
6. Power supply circuit testing & repairing solutions
7. LCD and LED TV all voltage tracing
8. LCD and LED TV screen testing and repair
9. TV Inverter and power circuit board problems
10. Led repairing tools details
11. Bios update & flash with bios programmer
12. Led TV remote function details
13. How to check logic card?



Career in Chip Level Repair Technology in Computer/Laptop

Led Tv Faults & Repairing Solutions

1. How to test and repair black light problem?
2. LCD and LED panel repair and testing tips.
3. LCD and LED TV Dead problem solution step by step easily
4. No sound problem solution
5. Video fluctuation error solution
6. Vertical line problem solution of screen
7. Horizontal line problems solution of all types of LCD and LED
8. No video and audio issue
9. Repairing all types damage board of LCD and LED
10. Solutions of hardware and software of LCD and LED
11. How to use and fix issue of universal board
12. Shortcut and quick repairing tips
13. Repairing concept of all types of TV with & without power supply
14. Black light failure issue on screen
15. TV repair with jumper on board
16. Color issue of screen
17. HDMI port testing and its faults repairing
18. USB port testing and repairing solutions
19. Audio jack testing and error solutions
20. Video in and video out port testing and faults repairing
21. Voltage testing issue on board like 12v, 5, 3.3v 2.5v, 1.2volts
22. Auto power off problems of TV
23. Video ok but no audio problem and solution
24. Audio ok but no video on screen
25. Cof related problems and repairing solutions
26. White screen problem and repairing
27. LED/LCD repair with schematics diagrams



Mobile Repairing course

Basic Electronics:

1. Introduction & Working of Mobile Phone Types of Mobile
2. Current, Voltage, Power, conductor, Insulator, Semiconductor and Resistance.
3. Capacitor, Types Of Capacitor, Diode & Transistor Inductor, Transformer, PCB and its types
4. Crystal and Integrated circuit(IC), Power supply & Abbreviations
5. Multi meter, Checking of Electronic Component

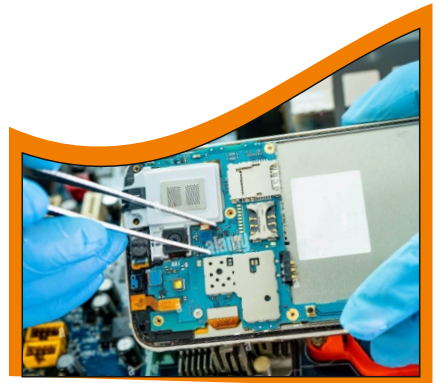


Mobile Software

1. Flashing & Unlocking through SPT
2. Flashing & Unlocking through MTK Software

Mobile Hardware

1. Mobile Phone Repairing Tools and its works
2. Soldering & Desoldering
3. Construction of Battery Booster
4. Identification of Component and I.C. on Mobile PCB
5. Fault finding of Speaker, Ringer and Microphone Section Theory and Practical
6. Fault finding of Charging, Vibrator and Keyboard Section Theory and Practical
7. Fault finding of Display and Network Section Theory and Practical
8. Fault finding of SIM and Set Dead Theory and practical
9. Fault finding of Camera, Bluetooth and Memory card Section Theory and Practical
10. Fault finding of Wi-Fi & GPS Section
11. Jumpering Technique and solution
12. Reballing of Ball I.C. Practical



Career in Chip Level Repair Technology in Computer/Laptop

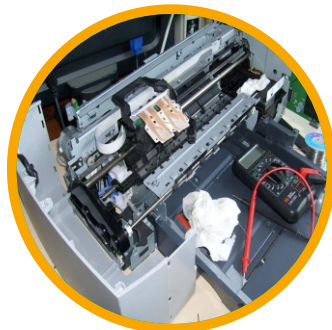
Printer Repairing

Printer Overview

1. What is printer and it's use?
2. How many types of Printers
3. Use of digital Multimeter
4. Basic electronic concept for printer logic card.

Repairing concept of Dot matrix Printer (DMP)

1. What is dot-matrix printer?
2. Dot Matrix Printer function.
3. Parts of dot matrix printer & how to identify ?
4. How to Assemble and disassemble of dot matrix printers
5. Working concept of all parts.
6. Faults of dot matrix part.
7. Solution of all faults of dot matrix printer
8. About dot matrix printer head working
9. About Printer Power Supply
10. How to do pin head refurbish
11. About dot matrix logic card & solution of card fault

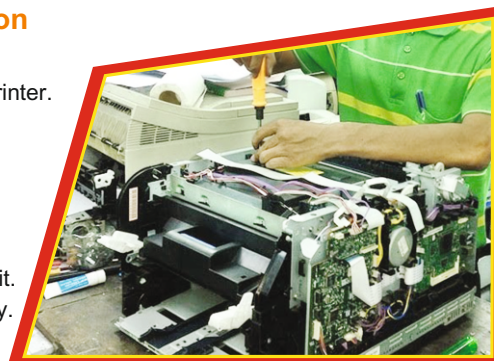


Repairing concept of Inkjet and Desk Jet Printer

1. Desk Jet and Inkjet Printer function?
2. How to assemble and disassemble inkjet printers?
3. Parts of inkjet printers.
4. Inkjet Printer Parts Identification and printer troubleshooting?
5. Faults of inkjet and desk jet printers
6. Inkjet printers fault solutions.
7. Logic card fault of inkjet and repairing solutions.
8. Inkjet Printer power supply and solutions of faults.

LaserJet Printer Repairing and Solution

1. Function of Laser Printers.
2. Logic card block diagram concept of Laser printer.
3. Laser printer logic card faults and solutions.
4. LaserJet printers parts and Identification.
5. Common fault of laser jet printers.
6. Repairing solution of all types of faults
7. About laser Jet printers parts.
8. Introduction of PCB Concept and Control Unit.
9. About laser jet power unit and Lens assembly.
10. Logic card faults and how to repair it.



Career in Chip Level Mobile Repairing

Mobil Phone Repairing का व्यवसाय करने वालों को **Customer's** की राह नहीं देखनी पड़ती, आपके पास **Mobile** की **Hardware Repairing, Software Repairing** और **Mobile** में **Downloading** के **Purpose** से **Customer** दिन भर आते ही रहते हैं।

इस क्षेत्र में **Service** की भी कमी नहीं है **Mobile Co.** के **service camp** से **Mobile Technician** की बड़ी संख्या में आवश्यकता है। इस क्षेत्र की **Earning** को देखते हुए यह कहना अतिशयक्ति नहीं होगी कि काफी कम समय में लोग अपने वर्तमान और भविष्य के प्रति चिन्तामुक्त हो सकते हैं।

आज भारत जैसे विशाल जनसंख्या वाले देश में जहाँ लोगों को अपनी



जिन्दगी बनाना आसान नहीं रह गया है। ऐसे में लोगों को नौकरियाँ या रोजगार मिल पाना नामुकिन सा हो गया है। **Technology** के इस युग में **Mobile Phone Field** लोगों के लिए वरदान साबित हुई है क्योंकि आज मोबाईल फोन की माँग निरन्तर बढ़ती जा रही है। आज मोबाईल फोन घर, हर व्यक्ति की जरूरत बन चुका है। आज कल के मोबाईल फोन में **Mobile Phone Engineer** की माँग निरन्तर बढ़ती जा रही है। एक सर्वे के अनुसार पूरे भारतवर्ष में लगभग 40 करोड़ मोबाईल फोन **user's** हैं। इस अनुपात को देखते हुए लगभग 4 लाख मोबाईल फोन इंजीनियर की जरूरत है, जबकि अभी तक पूरे भारतवर्ष में सिर्फ 30-35 हजार मोबाईल फोन इंजीनियर ही हैं। जब कि मोबाईल फोन को नेमते हर साल लगभग 7 करोड़ के अनुपात में बढ़ रहे हैं और उसी अनुपात में हमें हर साल लगभग 70 हजार मोबाईल फोन इंजीनियर की जरूरत भी रहेगी। आज इस फील्ड की उपयोगिता का अंदाजा इस बात से भी लगाया जा सकता है कि आज वह लौग जो अपने व्यवसाय से सुन्तुष्ट नहीं है और दिनभर **customer** की राह देखते हुए गुजार देते हैं, और वह लोग भी जो पिछले 5-6 सालों से कोई **private job** कर रहे हैं लेकिन केवल **4000/-** से **5000/-** रुपये तक ही **salary** ले पा रहे हैं, जबकि इतनी **salary** में अपना पालन-पोषण कर पाना आसान नहीं है, इसी कारणवश वह लोग भी आज इस फील्ड से जुड़ रहे हैं। और सबसे ज्यादा आकर्षण इस फील्ड में **students** का है जो अभी 10जीए 12जी या **Graduation** कर रहे हैं या कर चुके हैं। साथ ही साथ उनके लिए तो और भी सुनहरा मौका है जोकि किन्हीं कारणों से ज्यादा पढ़-लिख नहीं पाए हैं और अब तो कुछ वह लोग भी जो **Diploma Holder & B-Tech Person**, हैं तथा अलग-अलग क्षेत्र से जुड़े लोग जिनके सामने अपने **career** को लेकर बहुत ज्यादा चिन्ता है। ये चिन्ता छात्रों के साथ-साथ उनके माता-पिता को भी होती है कि मेरा बेटा कल क्या करेगा ऐसे सभी लोगों के लिए यह **course** एक नई आशा की किरण है। इस कोर्स की खास विशेषता ये भी है कि इस बवनतेम को करने के लिए आपको बहुत कम फीस देनी होती है।

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 * f d l l H k h i x d k j d s D i s c o u n t; k i z y k k u d s l h k e e a d n k f i u k Q l A
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 bu l c c k r k a d k /; ku j [k d j v k i v i u s f y, c g r j I n s t i t u t e d k p; u d j l d r s g A D; k f d b l p a u s g y C o u r s e e a j k s t x k j d s [k r e g k u s d h l H k k o u k d n k f i u g h a g A b l f y, e a v k i y k s k a r d; g l a n s k i g p k u k p k g r k g u f d M o b i l e P h o n e R e p a i r i n g dkl l d j d s v k i v i u k H k f o"; m T t o y c u k, A e j h ' k l k d k e u k, i v k i d s l k f k g A

Feature's of the 4 Months

Mobile Repairing Training Course

- **Knowledge & Skill :** *All of the knowledge and skill required in repairing a cellular phone is covered during the course.*
- **Troubleshooting :** *The common fault's for the repairing of different model's and make's of handset are provided during the course.*
- **Toos Equipments :** *Not only knowledge and skill are provided, but also option to purchases all the related tool's, equipment at trade prices. Therefore you can set up your own service centre immediately after completing the course.*
- **Back-up Service :** *We provide life time technical support after the course.*
- **Theory and Practical :** *There are both theory and practical lesson so you get hands on experience of the tools and methods used to repair mobile phones.*

Scope for the students : *(100% placement assistance will be provided)*

Student can start his /her own business in cell phone industry.

Student can work as a technician in a cell phone authorised/non authorised service centre. He can look for a place in major cell phone industry.

Student can open his/her own mobile training centre

Eligibility

- *X Standard Pass*
- *Acumen and will to learn*
- *Honesty punctuality and perfection*

Why to join Mobile Technology Course

Fast Growing Market

*Handsome Return on
your investment*

*Absence of Qualified
Repair Person*

*No. need of high
Technical Qualification*

*A Modern business avenue
of the Jetset World*

Our students working in the industry



Surash Chandra Goral
AFORESERVE
(Bangalore)



MD. Wasituddiya KBR
Nigeria,(Africa)



Deepak Kr. Ray
AFORESERVE
(Bangalore)



Shaahli Kiran Pingua
ICT Service Mgt. Solutions
(Bangalore)



Nikhil Kumar
Customer Support Engg.
Lenovo (Ranchi)



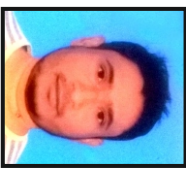
Tiliu Janika
Comnoisseur Elctis.
(Bangalore)



Subhash Kumar,
Vikash Solar
Shop, Dohri
Market, Dohri On
Sone, Rohas



Bijay Kumar, Rohit
Telecom, Suisa,
Bagmundi, Purulia



Sushant Behera,
Monit Mobile,
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Sourav Mobile,
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Rahul Kumar
Gupta, R K Mobile,
Kushinagar, UP



Virend Lal
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