

CHIPFIXMASTER INSTITUTE

MOBILE REPAIRING COURSE

Dwarka Mor Metro Station Gate no.2 Building no. B-2 Sewak Park, New Delhi -110059

Mobile: 8920778160, 9718611260 Email: Chipfixmaster@gmail.com

SYLLABUS

Level-1(Basic Electronic)

- What is a multimeter?
- Type of multimeter
- How to use a multimeter
- What is current?
- What is Volt?
- What is ampere?
- Resistor
- Capacitor
- Fuse
- Coil
- Transfer
- Diode
- Transistor
- MOSFET
- LDO
- Speaker
- Microphone (mic)
- Battery
- Vibrator
- Crystal
- Antenna
- Speaker
- About Diode Component
- About Coil component
- About transistor components
- About Crystal Component
- About IC Component
- About speaker/ringer Component
- About Mic Component



- About vibrator component
- About switch component
- How to replacement mobile folder



Level-2(Advance Practical)

- Jumper
 - a) Print jumper
 - b) Component jumper
- Component soldering & desoldering in a safe way
 - a) Big component
 - b) Small component
- Charging Jack soldering and desoldering in a safe way
- Headphone jack soldering and desoldering without burn
- SMD mic removal and reattachment
- Proximity sensor removal and reattachment in a safe way
- Flash light removal and reattachment in a safe way
- SIM socket soldering and desoldering without burn
- Memory socket soldering and desoldering without burn
- How to remove and reattach PGA IC
- How to remove BGA IC in a safe way
- How to clean PCB pads in a safe way
- How to recover damaged PCB pads
- How to reball BGA IC
- How to install BGA IC



Level-3 (Advance software)

- Definition of software
- Types of software
- Definition of code

- All types of secret code
- Mobile brands
- Types of chipsets (CPU)
- How to identify mobile chipsets
- What is flashing?
- What is unlocking?
- Software problems
 - a) Dead problem
 - b) Hang problem
 - c) Auto restart
 - d) Pattern lock
 - e) Security lock
 - f) PIN lock, face lock, finger lock
 - g) Country lock
 - h) FRP lock
 - i) MI account lock
 - j) Baseband lock
 - k) Bootloader



- Types of software tools
 - a) MTK (SP Flash Tool)
 - b) SPD (Spreadtrum Tool)
 - c) Qualcomm Tool
 - d) Exynos Tool (Odin Tool for Samsung)
 - e) Third-party tools
- iPhone
 - a) iTunes
 - b) 3uTool



Level-4(Super Advance Software)

Emmc Programming

- Programming Box Details
- How to Install Emmc/UFI Box Setup?
- How to Connect Programming Box with PC?
- How to Identify Emmc/UFS IC
- How to Check Boot File?
- What is Boot File and How to Repair Dead Boot?
- What is Dump File?
- How to Read Dump File?
- How to Write Dump File?
- What is Security File?



- How to Read Security File?
- How to Write Security File?
- How to Unlock Mobile by UFI Box?
- How to Flash Mobile by UFI Box?
- How to Recover Photos and Videos from Dead Mobile?
- How to Recover Contact Numbers from Dead Mobile?
- How to Change Emmc?
- How to Upgrade Emmc Size?
- How to Glue Clean Pasted BGA IC?
- How to Glue Clean PCB Pads?
- How to Drill CPU IC in a Safe Way?

Level-5(Advance fault finding tracing class)

- What is a circuit?
- What is a track?
- What is a component?
- What is cooltesting?
- What is hot testing?
- Identification of IC.
- Destination and source.
- Track and track name.
- Condition of board:
 - a) Ok condition
 - b) Open condition
 - c) Full shorting condition
 - d) Half shorting condition



- Power on section & What is Primary and Secondary line
- Charging section and identification:
 - a) Mid cap
 - b) Boot cap
 - c) BTST
 - d) Data & CLK Line
 - e) Vbus & Vbat
 - f) Temperature
 - g) Live testing

- USB section
- SIM section
- Memory section
- Audio section:
 - Ringer speaker section
 - Ear speaker section
 - Mic section
 - Vibrator section
 - Headphone section

- Keypad section
- Touch section
- Display section:
 - Display backlight section & explain all lines:
 - LED A, LED K
 - PWM Line
 - Light IC 6 pin details
 - Light IC OLED light IC details
 - Protocols interface details
 - Display graphic section and all line details:
 - VSN, VSP, MIPI, MOSI, I2C, RST, DATA, CLK

- Camera section
- Wi-Fi/Bluetooth/FM section
- GPS section
- Network Section
- How to read IC datasheet?
- DC supply failure and fault

- 6-port USB charger reading and fault

