

Mobile Course

- ❖ Multi-meter
- ❖ Mobile Assembling & Disassembling

- Basic Electronics

1. Current
2. Resistor
3. Capacitor
4. Coil (Inductor)
5. Transformer
6. Diode
7. Transistor
8. MOSFET
9. Crystal
10. Speaker
11. Microphone
12. Vibrator
13. Fuse
14. Battery

Practical

1. Introduction of Tools
2. Use of Soldering Iron
3. Use Of SMD Machine
4. Soldering & De-soldering
5. Charging Jack Replacement
6. Hands free Jack Replacement
7. SIM socket Replacement
8. MMC Socket replacement
9. SMD MIC replacement
10. Use of Jumper wire
11. Use of De-soldering wire
12. IC Re-balling And pasting
13. Pasted IC Removing Re-balling Pasting
14. Dabble Decker CPU Re-balling
15. Use of Separator Machine
16. Display connector (FPC) Replacement
17. Backlight Replacement
18. Folder Pasting

Software

1. What is software
2. Driver installation
3. Application installation
4. Hard reset
5. Application software flashing tools (SP flash tool – MTK, SPD Flash tool – Spreadtrum, Q flash tool – Qualcomm, Oddin- samsung, Itune– Apple)
6. Data backup & Restore
7. How to Download flash file (firmware)
8. How to take Backup or Dump file
9. How to unlock (FRP pattern and pin unlocking)
10. Flashing

Tracing

1. Basic electronics
2. IC identification
3. Testing points (VCH, VBAT, VBUS, VSIM PWR ON, RX TX, DP DN , SPK , EAR, GND ETC...)
4. Block Diagram
5. Schematic Diagram Download & Reading
6. How to use of DC Machine
7. Sorting remove by DC machine or short killer
8. Power sequence checking
9. Charging Track Testing & Tracing
10. Hot & cool testing
11. Network section
12. Primary power Circuit (Battery connector) checking
13. Secondary power circuit checking
14. Dead solution
15. Insert SIM or No SIM Solution
16. Audio Section
17. Display solution
18. Display backlight solution
19. Touch solution
20. Finger print sensor solution
21. Front & Back camera solution
22. sensors solution (light ambient, proximity, Accelometer, gyroscope, barometer, magnetometer etc...)
23. BT/WiFi solution
24. MMC solution