

2.ADVANCED MOBILE CHIP LEVEL Course Content:

BASIC ELECTRONICS

Materials
Electricity (Current, Voltage, Power, Resistance)
Multi meter
Crystal
Resistor
Capacitor
Coil
Diode
Transistor
Mosfets
Type of IC (BGA, Pin and Path ICs)
Battery

HARDWARE SECTIONS

Charing Section

- i)Charing Section Problems
- ii)Troubleshoot of Charing Section

Lighting Section

- i)Lighting Section Problems
- ii)Troubleshoot of Lighting Section

Graphic Section

- i)Graphic section problems
- ii)Troubleshoot of Graphic Section

LED Driver

- i)LED problems
- ii)Troubleshoot of O LED Driver IC

Touch Section

- i)Touch section problems
- ii)Troubleshoot of touch Section

Audio (Codec)

- i)Receiver
- ii)Ringer
- iii)Mic
- iv)Headset
- v)Troubleshoot of Audio Section

Vibrator

- i)Vibrator Problems
 - ii)Troubleshoot of Vibrator Section
- SIM and Memory Section
- iii)SIM and Memory Section Problems
 - iv)Troubleshoot of SIM and Memory section

Camera

- i)Front Camera
- ii)Back Camera
- iii)Wide Camera
- iv)Troubleshoot of Camera sections

Bluetooth & Wi-Fi

i) Troubleshoot of Bluetooth and Wi-Fi Sections

ii) NFC/MST

iii) Troubleshoot of NFC/MST section

Fingerprint Section

i) Fingerprint Section Problems

ii) Troubleshoot of Fingerprint section

Sensors

i) 6X Sensor

ii) MAG Sensor

iii) Proxi Sensor

iv) Hall Sensor

v) Grip Sensor