



Certificate in Mobile Repairing

Duration : 480 Hrs / 6 Months

Unit 1:-

- Introduction to mobile phones
- Generation of mobile phones
- FHSS Networks
- GSM, CDMA, TDMA
- Spread Spectrum
- Basic Electronics Components

Unit 2:-

- Handset specific operating systems
- Handset features and applications
- Working principle of mobile handset
- Component used in Mobile handsets

Unit 3:-

- Tools and equipments used for repairing and maintenance of mobile handsets
- Types of power supplies & batteries
- Boosting a battery
- Troubleshooting Basics

Unit 4:-

- Network problems
- Power failure (Dead)
- Mobile phone hardware troubleshooting (Water damage, Hanging, Charging & keypad problems)
- Handsets assembly & disassembly
- Soldering & Desoldering
- SMD rework station

Unit 5:-

- BGA IC's
- Basics of computer
- Installation of software
- Flashing
- PC based diagnostic tools
- Mobile sets formatting
- Used of secret codes

Unit 6:-

- Mobile software
- Data cable, Card reader, Mobile Display
- Remove/Replace component
- Mobile phone hardware troubleshooting

Troubleshooting through:-

- ❖ Circuit diagram
- ❖ Transmission
- ❖ Transmission filter
- ❖ Reception
- ❖ Microphone
- ❖ Antenna
- ❖ RF power amplifier
- ❖ Local Oscillator
- ❖ Audio IC
- ❖ Speaker
- ❖ Charger etc.

Unit 7:-

- Reading & writing skills
- Communication skills
- Time management skills
- Team skills
- Safety & Security