



## BASIC TO ADVANCE CHIP LEVEL MOBILEPHONE MICROSOLERING COURSE

BASIC TO ADVANCE LEVEL TRAINING PROGRAM | DESIGNED BY MPRTS  
UK

### OBJECTIVE

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The objective of the course is to provide the requisite skills and knowledge to enable the student to get into a wide variety of jobs in the mobile phone industry or to start a mobile phone repair outlet.

### SKILLS

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Our training in mobile phone repairing is skill-oriented training. The classroom training also provides hands on practice. The right infrastructure is required to ensure that the students develop required skills.

### PRE-REQUISITES

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No previous experience required.

### COURSE DURATION

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**FIVE DAYS • MONDAY TO FRIDAY • 11AM TO 4PM**

This training program required 20 hours to complete.

Evening and week end classes can be delivered in a structured format in order to suit the needs of learners with busy lives.

### FUNDING

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**DWP. LOW-VALUE PROVISION SCHEME • JOBCENTRE PLUS**

MPRTS work with DWP as a training provider.

Our courses (Smartphones and PCs/MacBook's) can be funded by DWP through Job Centre Plus under Low-value Provision (LVP) scheme.

You can find us on training providers list as ' Electronics Training School Limited'. (Our D-U-N-S number is -221955830)

### SUPPORT AND BENEFITS

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- Unlimited repair practice at our Service Centres and no extra for retake.
- Unlimited on-going support at no extra cost and telephone support for students related to any repair issues.
- Business setup support for candidates interested in self-employment.
- Repair guide price list and repair terms and condition.
- List of suppliers and business plan template.
- Facilitate accounting support (free for first 3 months start-up)
- Support with finding a job.
- Free basic tool kit.



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TELEPHONE



LINKEDIN URL



# BASIC TO ADVANCE CHIP LEVEL MOBILEPHONE

## BASIC MICROSOLDERING

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### 1: Theory

- Basic PCB diagnostics,
- Short detection & Removal
- Introduction to Multi Metre use and fault finding
- Parts sourcing & management
- Fault diagnosing and Troubleshooting
- Tools & equipment guide

### 2: Practical

- Basic understanding of schematics & technical diagrams.
- FPC connector repairs
- Micro soldering
- IC replacement

## ADVANCE MICROSOLDERING

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### Lecture Module:

- iPhone Motherboard structure analysis, Schematic diagram reading, and Board view Software introduction.
- iPhone 6, 6s and 7 boot circuit diagnosis and repair.
- iPhone display and touch circuit analysis, iPhone 6 display and touch fault diagnosis and repair.
- iPhone Camera fault diagnosis and repair.
- iPhone Wi-Fi fault diagnosis and repair.



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- iPhone 6, 6s and 7 baseband circuit fault diagnosis and repair.
- iPhone 6, 6s and 7 Radio-frequency circuit analysis.
- iPhone 6, iPhone 6s and iPhone 7 audio circuit troubleshooting.
- iPhone 6 and iPhone 6s charging circuit analysis and repair.
- iPhone 6 Compass, Gyroscope and restore error analysis and repair.

## Hands-on Module:

- How to use typical repair tools like Hot air rework station, Soldering Iron, Ultrasonic cleaner, Microscope, etc.
- Logic board fault finding, Multimeter use, Component voltage, and shortage check, chip desoldering and black adhesive removing techniques.
- Chip IC replacement, IC Reballing, EMI shield removal, and Micro soldering techniques.
- Remove/replace FPC connectors on the PCB, BGA IC Reflow, IC Repair, Backlight Fix, Charging Port Connectors, SIM Card Connectors, Battery Connectors, Wi-Fi Connectors, board SD Memory Card Connector, Multi-Pin Data Port, Multi Vibrator, Charging IC (iPhone) Touch IC (iPhone) iPad mini touch connectors, iPad mini charging IC replacement.
- Motherboard bonding pad Jumpering techniques, desoldering and glue removal techniques.
- Home button fingerprint repair and NAND Flash Memory replacement and upgrading.
- iPhone 6/6s/7 common problems, troubleshooting, and maintenance.
- Comprehensive hands-on practice.



**MPR**

**Telephone:** +44(0)2035000733

**Email:** [info@mprts.org](mailto:info@mprts.org)

**Website:** [www.mprts.org](http://www.mprts.org)

**Address:**

25 Woodford Avenue, Ilford, Essex, (IG2 6UF) Greater London. United Kingdom  
Nearest Train Station (Underground): Gants Hill (Central Line)



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