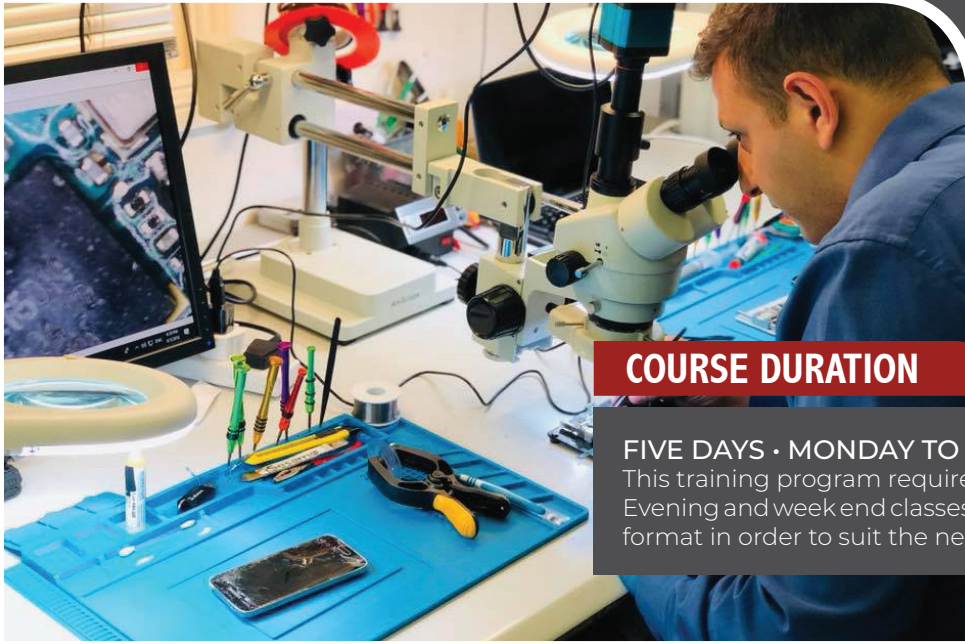# BASIC TO ADVANCE CHIP LEVEL MOBILEPHONE MICRO SOLDERING COURSE

BASIC TO ADVANCE LEVEL TRAINING PROGRAM | DESIGNED BY MPRTS UK

OBJECTIVE

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.

COURSE DURATION

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.

SKILLS

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

Requires some prior experience in basic soldering, diagram reading and the ability to assemble and dismantle mobile phones.
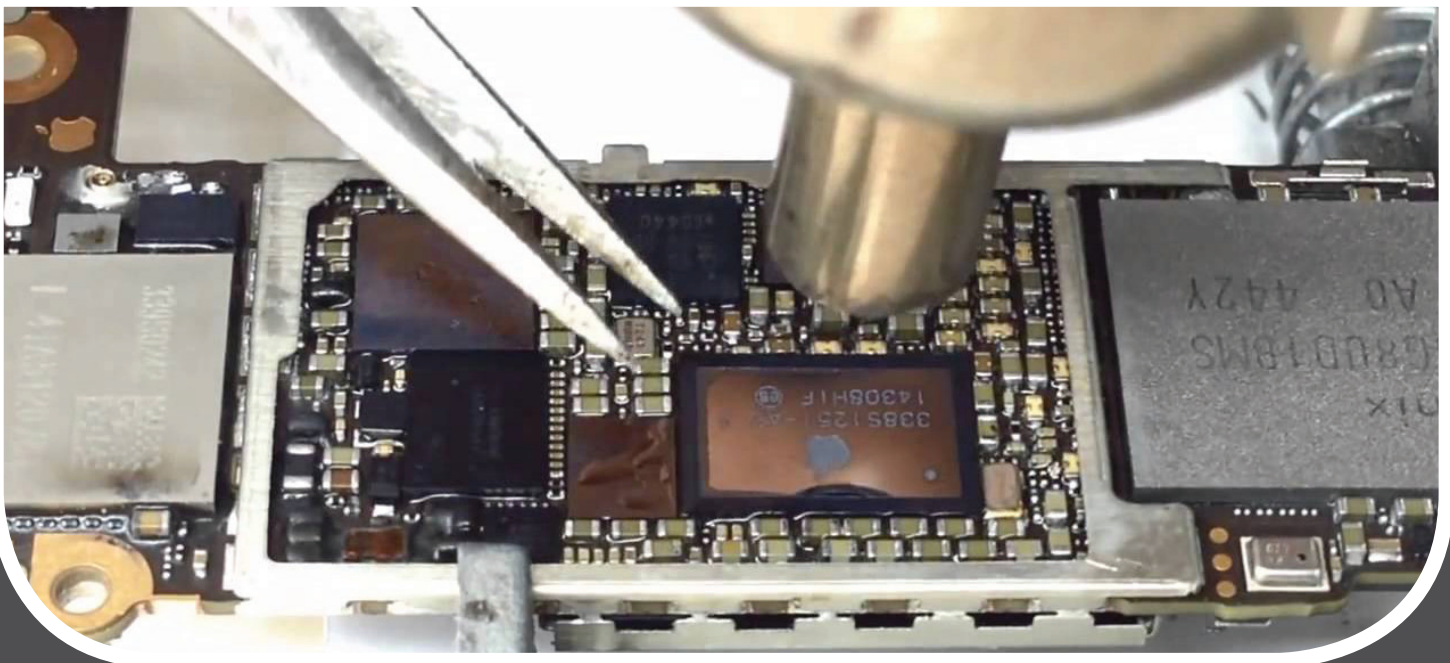
SUPPORT AND BENEFITS

» Unlimited repair practice at our Service Centres and no extra cost 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.

FUNDING

MPRTS is registered on the Low Value Provider List

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)

BASIC MICROSOLDERING

1: Theory

- » Basic PCB diagnostics,
- » Short detection & Removal
- » Introduction to Multi-Meter 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

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.
- » 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.