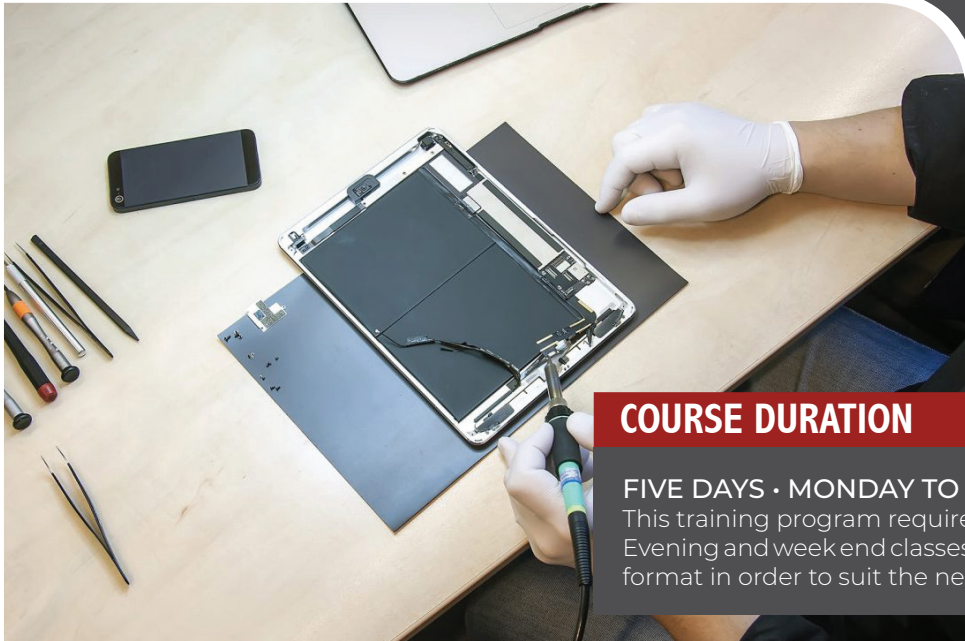




## SMART PHONE AND TABLET REPAIR LEVEL 1, 2 AND 3 COURSE

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

No previous experience required.

### SUPPORT AND BENEFITS

- » 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.

### 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)



## SMART PHONE AND TABLET REPAIR LEVEL 1

### 1: LEVEL 1

- » Concept and structure of GSM, CDMA, 3G, 4G networks.
- » Theory and concept of ESN, IMEI and SIM relationships.
- » Determination of physical and liquid damage detection on PCB Boards.
- » Basic soldering and de soldering techniques.
- » Use of proper tools and opening techniques to dismantle devices.
- » Assemble and disassemble on iPhone, Android, iPad and tablets.
- » Phone malfunction and liquid damage troubleshooting.
- » Data transfer and recovery techniques.
- » Mobile Phone Unlocking - Remove carrier locks off GSM Phones.

## SMART PHONE AND TABLET REPAIR LEVEL 2

### 2: LEVEL 2

- » Structure and design of the BGA Controller Chip.
- » Techniques of how to repair Water Damage devices.
- » Techniques on how to repair physical damage, troubleshooting on GSM and CDMA phones.
- » Replacement Techniques on LCD, Ribbon flex cable, Speakers, Camera and Battery.
- » How to repair phone not powering on (no power), no network signal or unstable signal.
- » How to repair your Phone when it automatically shuts off (Power Cycling)
- » How to replace the Sim Connector, Switch, Battery connector, SD memory connector, Vibrator, Flex Cable Switch, Multi pin Data Port, LCD plug-in connector and Charging Port.
- » How to repair on-board components, circuit bridging and Jumper techniques.

## SMART PHONE AND TABLET REPAIR LEVEL 3

### 3: LEVEL 3

- » How to use typical repair tools like Hot air rework station, Soldering Iron, Ultrasonic cleaner, Microscope, DC power supply, NAND Programmer, 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, Vibrator.
- » Level III Water Damage Phone Troubleshooting and Repair
- » Physical damage repair and troubleshooting techniques on Mother Boards
- » Repair Techniques for On Board ICs, Copastor, Diode, Resistor etc
- » No network signal or unstable signal
- » Repair missing onboard components, circuit bridging & Jumpering techniques
- » Phone automatically shuts off (Power Cycle)
- » Use of Digital equipment to spot treat board level corrosion
- » Board cleaning agent and solutions to treat liquid damaged Mobile phones.
- » Introduction to board view soft where.

