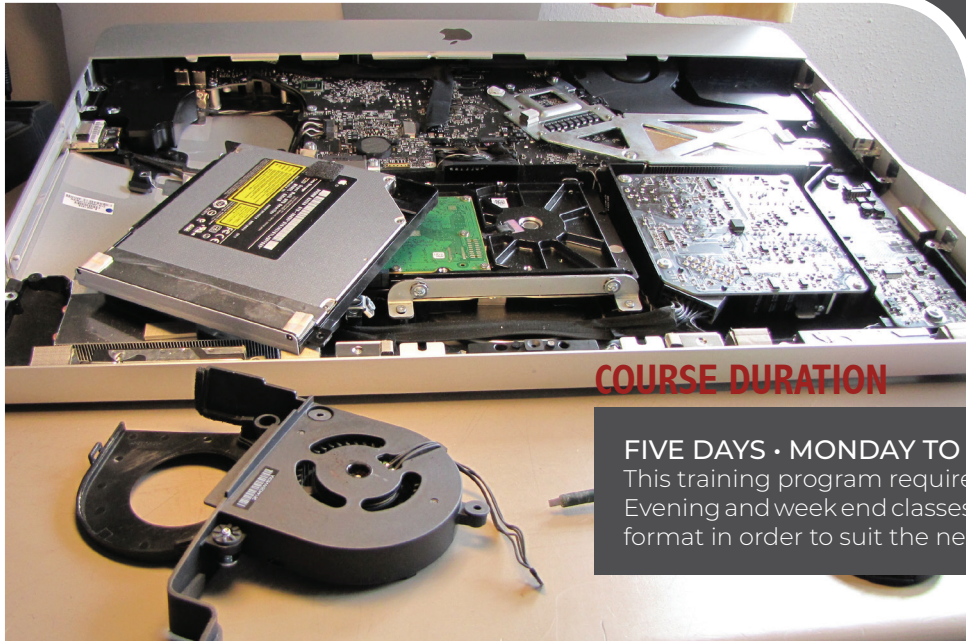




# MAC BOOK AND IMAC REPAIR COURSE LEVEL 1, 2 AND 3

BASIC TO ADVANCE LEVEL TRAINING PROGRAM | DESIGNED BY MPRTS UK



## 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.

## 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 IT industry or to start a laptop repair outlet.

## SKILLS

Our training in MacBook and iMac 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

### 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)



## MAC BOOK AND IMAC REPAIR COURSE LEVEL 1

### 1: SOFTWARE/OS

- » What is Operating System
- » How to install Operating System (ALL OS)
- » Hard drive Partitioning
- » Hard drive Formatting
- » Application Installation
- » OS Settings and Security
- » Microsoft office installation
- » Data Backup & Restore.
- » Workgroup Networking & Internet Concept.

### 2: Hardware

- » Identification of Apple Laptop and desktop parts, Adapters/Chargers
- » Types, work, volt, Ampere, pin detail, Basic problem.
- » Types of Battery, work, volt, pin detail, Basic problem.
- » Types LCD/Screen, Brand, size, and wideness.
- » Types of hard drive its problems and solutions.
- » Type of keyboard, Basic problem, and solutions.
- » Body/Housing size, Front Panel, Back Panel.
- » Type of Motherboard its manufacture Identification.
- » Ram: Types of RAM.
- » Types of MacBook/iMac CPU/Processor it identifies diagnosing and troubleshooting
- » Introduction to tools and equipment
- » MacBook/iMac Assembly & Disassembly (Theory)
- » Common fault diagnosing and troubleshooting

## MAC BOOK AND IMAC REPAIR COURSE LEVEL 2

### 1: Hardware Section (Theory & Practical)

- » Identify each component & IC's on motherboard.
- » Testing of electronic components (Multimeter use)
- » Resistors, Capacitors, Diode, Inductors & Fuse (PCB Component identification)
- » Proper use of the regulated dc power supply
- » Understanding of OHM'S Law (Voltage, Amps And resistance)

### 2: Repair & Parts replacement (Practical Troubleshooting)

- » How to repair/replace DC Jack (charging connectors)
- » MacBook/iMac full assembly and disassembly
- » How to repair/replace LCD, LED and Touchscreen
- » How to repair/replace Speaker, Microphone and Headphone socket
- » How to repair/replace Keyboard and Mouse
- » Diagnostic AC/DC (Power system understanding)
- » Dead Systems
- » No display
- » Dim display
- » Freezing System
- » WIFI Card replacement

## MAC BOOK AND IMAC REPAIR COURSE LEVEL 3

### 1: Theory

- » How to read Schematics or Block diagram of laptops.
- » How to diagnose the fault in Laptop PCB with the help of schematics and Block diagram
- » Understanding of Power supply of different chips & components

### 2: Practical

- » Testing of electronic components with the multimeter (Resistors, Capacitors, Diode, Inductors Fuse, Transistors, Mosfet & IC's etc.
- » Special Training on BGA Machine/Hot air rework station
- » Understanding of Advance Testing and Repairing Tools
- » IMAC PCB fault diagnostic
- » MacBook PCB fault diagnostic
- » Identify each component & IC's in the Laptop motherboard.
- » Using of DC power supply.
- » Soldering and Desoldering practice of IC's
- » Soldering dislodging of USB Port, DC Power connector, FTP Connectors, Ethernet Connectors, and HDMI/DVI/VGA Ports.
- » Removing and Inserting Small SMD Components
- » Tracing Different Section of Motherboard:
- » Chip Level Practical (Using Solder Iron, BGA Machine, SMD Machine)
- » Micro soldering (Proper use of the microscope)
- » Water and liquid damage repair