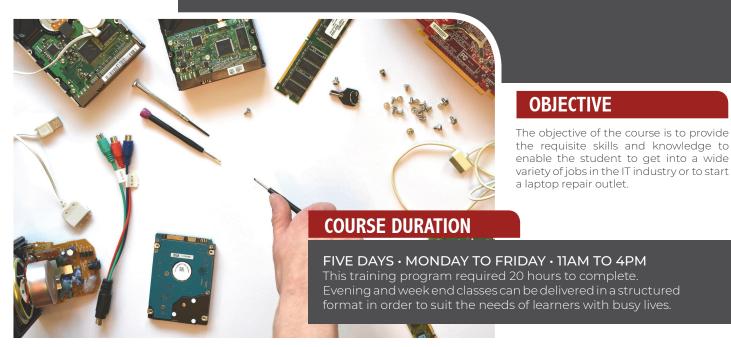# LAPTOP AND DESKTOP REPAIR COURSE
LEVEL 1, 2 AND 3

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 IT industry or to start a laptop 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 Laptop and Desktop 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
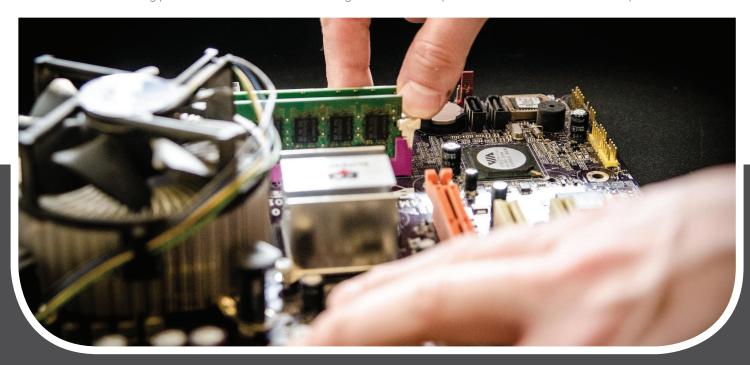
No previous experience required.

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

LAPTOP AND DESKTOP REPAIR COURSE LEVEL 1

1: Laptop/PC Software.

- » What is the Operating System?
- » How to install Operating System? (Window Installation)
- » Hard drive Partitioning
- » Hard drive Formatting
- » Driver Installation
- » Offline driver installation
- » Online driver installation
- » Manual driver installation
- » Application Installation
- » Antivirus (Windows Settings and Security)
- » Microsoft office installation
- » Windows Backup & Restore.
- » Workgroup Networking & Internet Concept.

2: Laptop/PC Hardware.

- » Identification of laptop-Desktop part
- » Adapters/Chargers
- » Types, work, volt, Ampere, pin detail, Basic problem.
- » (Battery)Types of Battery, work, volt, pin detail, Basic problem.
- » LCD: Types LCD, Brand, size, and wideness.
- » Inverter: Types of Inverter and pin detail.
- » Hard disk: Types of hard drive its problems and solutions.
- » Keyboard: Type of keyboard, Basic problem, and solutions.
- » Body/Housing
- » Hinges size, Front Panel, Back Panel.
- » PCB/Motherboard: Type of Motherboard its manufacture Identification.
- » Ram: Types of RAM.
- » CPU/Processor: Types of Laptop /Desktop CPU its identify diagnosing and troubleshooting.
- » CD/DVD Drive: Type, brands, Basic problem.
- » Introduction to tools and equipment's
- » Troubleshooting
- » Laptop and Desktop Assembly & Disassembly
- » Common fault diagnosing and troubleshooting

LAPTOP AND DESKTOP REPAIR COURSE LEVEL 2

Software (Theory Practical)

- » Installation of windows on secure boot enabled laptops (for latest laptops who have this security)
- » Installation of Windows without losing customer data (Data Backup and recovery)
- » How to create Bootable USB Drive.
- » Networking -IP address-Ipconfig-Assigning IP address
- » Hardware Section (Theory & Practical)
- » Identify each component & IC's in the Laptop 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 Resentence)

- » Repair & Parts replacement (Practical Troubleshooting)
- » How to repair/replace DC Jack (charging connectors)
- » 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

LAPTOP AND DESKTOP REPAIR COURSE LEVEL 3

1: Theory

- » How to read Schematics or Block diagram of laptops.
- » How to diagnose a fault in Laptop PCB with the help of schematics and Block diagram

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
- » Desktop PCB fault diagnostic
- » Laptop PCB fault diagnostic
- » Identify each component & IC's in the Laptop motherboard.
- » Using of DC power supply.
- » Soldering and DE-soldering 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 a microscope)