



*Training Course:
Smart Phone Repair*

*30 May - 3 June 2027
Cairo (Egypt)*

Training Course: Smart Phone Repair

Training Course code: MI234725 From: 30 May - 3 June 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

The **Smart Phone Repair** course equips participants with essential skills to diagnose, troubleshoot, and repair mobile devices efficiently. Combining theoretical knowledge of mobile electronics with practical hands-on exercises, the program enables participants to identify faulty components, perform hardware and software repairs, and restore smartphones to full functionality. By the end of the course, attendees will gain confidence in repairing mobile devices while applying proper safety procedures and industry best practices.

Objectives

By the end of this course, participants will be able to:

1. Understand the fundamentals of mobile electronics and communication systems.
2. Prepare the proper tools and work environment for smartphone repair.
3. Identify, test, and replace damaged components accurately.
4. Troubleshoot and repair hardware and software issues effectively.
5. Apply safety procedures and handle tools and test equipment correctly.
6. Understand smartphone software operations and configurations for repair purposes.

Target Audience

- Individuals seeking a career in smartphone and tablet repair.
- Technicians or engineers wishing to expand their skills in mobile device repair.
- Hobbyists or enthusiasts interested in understanding smartphone hardware and software troubleshooting.
- IT support staff and electronics technicians who work with mobile devices.

Course Outline

Day 1 - Basics of Mobile Electronics & Components

- Overview of mobile communication systems and digital electronics.
- Introduction to various smartphone components mic, speaker, vibrator, LCD, antenna, etc..
- Disassembly and assembly of different smartphone models.
- Use of essential tools and instruments in mobile phone repair.
- Testing basic components with a multimeter.
- Introduction to circuit boards and motherboards.

Day 2 - Software Operations & Unlocking

- Flashing, formatting, and software installation.
- Unlocking devices and using secret codes.
- Downloading firmware and updates.
- Understanding smartphone software architecture.

Day 3 - PCB & Soldering Techniques

- Introduction to Printed Circuit Boards PCBs and motherboards.
- Identification of BGA and SMD components.
- Soldering and desoldering techniques using soldering iron and rework stations.
- Hands-on practice with BGA/SMD ICs and PCB troubleshooting.

Day 4 - Hardware Fault Diagnosis & Troubleshooting

- Fault-finding methodology for hardware issues.
- Circuit tracing, jumper techniques, and component replacement.
- Use of schematics for problem identification.
- Practical exercises on common hardware faults.

Day 5 - Advanced Troubleshooting & Repair

- Complex hardware and software problem-solving.
- Integration of hardware and software repair techniques.
- Advanced troubleshooting using technical resources and online support tools.
- Case studies and final assessment of repair skills.

Registration form on the Training Course: Smart Phone Repair

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Payment Method

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