

Day 1 - Tools, Safety & Basic Disassembly

Before starting with real devices, you must learn about the tools you will be using. The right tools make repairs safer and more efficient. Let's look at the essential tools for phone and tablet repair.

Essential Tools (used in today's practice):

- Phillips screwdrivers (1.5, 2.0)
- Pentalobe screwdriver (for Apple devices)
- Plastic opening tools and suction cup
- Tweezers
- Magnetic mat
- Isopropyl alcohol for cleaning
- Heat gun or LCD separator (if screen is glued)

Theory (30%)

- Purpose and correct use of repair tools.
- How to safely open phones and tablets.
- How to organize your workspace and track screws.

Practice (70%)

- ✓ Disassemble a training phone completely.
- ✓ Reassemble the phone with no missing screws.

- ✓ Replace the screen (full module).
- ✓ Replace the charging flex cable.
- ✓ Replace the power or volume button.
- ✓ Detach and reattach the main camera.

Day 2 - Screen & Back Glass Replacement

Theory (30%)

- How to identify original and copy screens.
- How to handle fragile components safely.
- Proper use of heat during screen removal.
- How to use a heat gun or LCD separator safely.
- How to protect the flex cable during screen opening.

Practice (70%)

- ✓ Remove a broken screen from a phone.
- ✓ Remove a broken screen from a tablet.
- ✓ Clean and prepare the frame for new screen installation.
- ✓ Install and test a new screen before closing.
- ✓ Manually remove and replace the back glass.
- ✓ Use a laser machine to remove and replace the back glass.

Day 3 - Diagnostics, Soldering, Flashing & FRP Removal

Theory (30%)

- Understanding diagnostic errors and boot failure symptoms.
- Basic soldering safety and proper soldering technique.
- How to read and interpret Panic Full logs on iPhones.
- Common causes of iPhone restarts and how to fix them.
- Introduction to flashing iPhones and Samsung devices.
- What is Google Account Lock (FRP) and why it exists.

Practice (70%)

- ✓ Read Panic Full logs from a sample iPhone and diagnose the issue.
- ✓ Solder a charging port onto a practice board.
- ✓ Repair broken pads or torn flex contact points on a test board.
- ✓ Replace an HDMI port on a console (example: PS5 or Xbox).
- ✓ Flash firmware on an iPhone and Samsung using appropriate tools.
- ✓ Bypass Google Account (FRP) lock on a Samsung device.