



NOAHTECH COMPUTER REPAIRING AND SERVICES

NO: 3A-1, JALAN CEMPAKA SD 12/2, BANDAR SRI DAMANSARA,
52200 KUALA LUMPUR.
TEL: 03-62778522

Advanced Electronics Troubleshooting And Repair

Topics Covered

Course Code AER01

Course Length: 3 days

Day 1

9.00am – 9.45am	Refresh Of Basic Electronics Course
9.45am-10.45am	Fixing Power Supply Electronics Project kit
10.45am – 11.00am	Tea Break
11.00am – 12.00pm	How Switch Mode Power Supplies (SMPS) Work
12.00pm to 1.00pm	How To Read SMPS Schematic Diagram
1.00pm- 2.00pm	Lunch Break
2.00pm- 2.30pm	How To Perform Voltage Testing On SMPS
2.30pm – 3.00pm	How To Use DC Ammeter and Light Bulb to Troubleshoot SMPS
3.00pm- 3.30pm	How To Use Flickering and Isolation Method To Solve SMPS problem
3.30pm-3.45pm	Tea Break
3.45pm-4.45pm	How To Find Replacement Components in SMPS
4.45pm-5.00pm	Questions and Answers

Day 2

9.00am- 9.45am	How Electronics Equipment Mainboard/Motherboard Work
9.45am- 10.45am	How To Read A Typical Electronics Equipment Mainboard Schematic Diagram
10.45am-11.00am	Tea Break
11.00am- 11.30am	Understanding Oscilloscope
11.30am- 1.00pm	How To Use Oscilloscope To Perform Troubleshooting on Power Supply and Mainboard
1.00pm-2.00pm	Lunch Break
2.00pm- 2.30pm	How To Perform Voltage Testing On Mainboard
2.30pm -3.30pm	How to use EEPROM Programmer to program EEPROM IC and How To Trace Shorted Components In A Mainboard
3.30pm-3.45pm	Tea Break
3.45pm- 5.00pm	How To Use A Rework Station

Day 3

9.00am- 9.45am	Fixing another Electronics Project kit
9.45am- 10.45am	How To Read SMD Components Coding
10.45am-11.00am	Tea Break
11.00am- 11.30am	How To Use Smart Tweezer Tester To Check On SMD Components
11.30am- 1.00pm	How To Find Replacement For SMD Components and How To Use Coolant and Hair Dryer To Locate Intermittent Faults In Power supply and Mainboard. How to use Huntron Tracker to locate faulty components in Mainboard.
1.00pm-2.00pm	Lunch Break
2.00pm- 3.30pm	Troubleshooting and repairing real problems in a circuit board
3.30pm -3..45pm	Tea Break
3.45pm-4.45pm	Continue with the troubleshooting and repairing of real problems in circuit board
4.45pm- 5.00pm	Questions/Answers and Presentation Certificate of Attendance

For more information please contact us at

<http://www.noahtechronicstraining.com/contact-us>