

TOTAL COMPUTER HARDWARE SOLUTION Training Program



A+ is a solid certification that is a career door opener and the industry standard for entry-level computer technicians.

Earning CompTIA A+ certification proves a candidate has a broad base of knowledge and competency in core hardware and operating system technologies, including installation, configuration, diagnosing, preventive maintenance and basic networking.

This Program is ideally suited to following individuals who are:

- **Managers, Students, & Fresh Graduates**
- **Using their own computers or Laptops**
- **Who want to be good and reputable jobs in the market and are like to enhance their skills in computer hardware & Networking.**

Program is offered by: 3D Educators – Trainers & Consultants

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3D EDUCATORS

Program Details

Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

Program Structure

Number of classes in a week	Two Class Per Week
Duration of each class	2-Hour

Other Learning Activities:

Classroom Assignments	2
Presentations by Trainees	1

About the Program Designer & Instructor

- ✓ The “Total Computer Hardware Solutions” Program has been designed by the Dr. M. S. Waqar where the program is also covers the international certification contents of A+.

They trainers are foreign qualified and having the degree & certification of Ph.D, MBA, MSc.

As Consultant & Senior Trainers the team of trainers from Engineering side we **3D Educators – Trainers & Consultants** would not compromise on the faculty.

Program Syllabus

TOTAL COMPUTER HARDWARE SOLUTIONS (TCHS)

Equivalent to the preparation of A+ certification for the core technologies.

- **Installation, Configuration, and Upgrading:**
 - Basic Terms, Concepts, and function of system modules.
 - IRQs, DMAs, I/O, Ports, Addresses.
 - Buses, Connectors.
 - Hard disk (IDE, EIDE, SCSI etc).
 - Installation of Peripherals and configuring them.
 - Handling of Synthetic and Effective tools.
 - Configuration of BIOS.
 - System Optimization.

- **Diagnosing and Troubleshooting:**
 - Common symptoms and problems.
 - Common Associate problems.

- **Safety and Preventive Maintenance:**
 - Various types of preventive maintenance products and procedures.
 - Software procedures and hard ware devices.
 - Potential hazards and proper safety procedures.
 - Items that require special disposal procedures.
 - Electronic Discharge (ESD).

- **Mother board/Processor/Memory:**
 - Popular CPU and Basic Characteristics.
 - Categories, problems of RAM and physical Properties.
 - Popular Mother Boards, Architectures and Power Distribution.
 - Purpose of CMOS.

- **Printers:**
 - Printer operations, Care and service techniques, connection and configuration.

- **Portable Systems:**
 - Unique components of portable systems and their unique problem and configuration.

- **Basic Networking:**
 - Networking Concepts
 - Procedures for Swapping and configuring NIC.
 - Identify the ramification of repairs on the network.

Students who are unable to appear for the final exam are required to submit a written application stating the reason for not appearing for the exam. 3D Educators reserves the right to approve or deny such applications. If approved, the student will be allowed to sit for the exam within one month. Failure to do so, the student will be resubmit the examination fee and sit the future schedule exam. Without passing of the exams no certification will be awarded.

3D EDUCATORS

ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to info@3deducators.com with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it info@3deducators.com. Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.
- If you are outside country or city then extra courier charges shall be incurred for Certificate.

PRECAUTIONARY MEASURES

- ✓ During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- ✓ Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- ✓ If you have taken the admission in the course online, ethically it is recommended and suggested that you only avail this facility.
- ✓ Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions.

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

DISTANCE NOT MATTER

You can join in the live classes Sessions of **3D EDUCATORS – TRAINERS & CONSULTANTS** from anywhere of the world.

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(Get the Admission Form)

[Admission Form](#)

MANAGEMENT

3D EDUCATORS – TRAINERS & CONSULTANTS