

Tech Focus

IT passports in Bangladesh

All about IT Certification

NAFID IMRAN AHMED

In 1995, some 30,000 students sat for the Dhaka University admission test. Only 1250 were selected for the science unit and most of them wanted to study computer science. But back then, the Department of Computer Science offered only 20 seats and each of top 50 went for those. Even now, when almost all the private universities offer computer science degrees, it is not enough to quench the IT thirst. But, what if one didn't graduate from college with a degree in computer science and still wanted to become an IT professional. What if someone didn't have years to go back to college to earn a degree in computer science? One should not worry; there is another way to start a brand new career in IT. Get certified!

In the country, there are many IT training centres offering hundreds of courses. Some of them are affiliated with foreign companies and some with local roots. Most of these institutes are very expensive. But are they providing quality IT education? Are these just certificates with colourful logos, nice bag packs, digital diaries, etc? The skill of their students will prove it all.

Many hardware and software vendors have introduced individual certification examinations all over the world. This has given the students a chance to prove their skills and become IT professionals in their desired fields. One can choose from two types of certifications: those offered by professional associations such as the Computer Technology Industry Association (Comp TIA) and those sponsored by vendors, such as

Cisco Systems Inc. or Microsoft Corp. Vendor certifications are considered more rigorous and valuable, and vendor companies usually update their tests as they introduce new technologies. People who pass the required exams can attach a string of alphabet-soup-like initials after their names. The Microsoft Certified Professional certification is the most popular certification today. There are nearly one million MCPs world wide.

Types of certification
There is no catch-all IT certification. Rather, certifications are specific to certain technologies and job descriptions. Certifications exist for everything from relatively simple tasks such as installing operating systems on personal computers, personal computer maintenance to programming in various languages such as Java,



Age is not a problem: Students taking certification class at New Horizons

system and network administrative skills, database development, security analyst, website development and trainer.

The certifications are granted by hardware and software vendors such as Microsoft Corporation, Sun Microsystems, Oracle Corporation, Cisco Systems, Red Hat Corporation, Citrix Systems Inc. and Novell Inc.

Getting the passport
The next step is to actually sit for the exam. Often, the training centres are authorised to administer an exam by the organisation granting the certification. There are also independent testing centres that administer exams to people who want to retake a test or have studied the course on their own.

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Probably, the most popular company offering such testing is Sylvan Prometric, which has testing centres across the United States. In this country, there are almost a dozen testing centres. Most of these centres are controlled by Sylvan Prometric and VUE (Virtual University Enterprise) testing services.

After getting prepared one needs to go to a testing centre, pay the exam fees, collect a voucher containing exam dates with details and then sit for the exam.

Computer certifications will definitely keep you competitive in your current position and are considered jewels on your resume. As a result of these certifications employers also

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Each training company and textbook has its own spin on the training process, so there is a wide range in price tags for various types of training, and the time needed to complete them.

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Tech News Snaps

Website for Hilsa information and research

Recently Bangladeshi fisheries biologist Mizanur Rahman has developed a website on Hilsa shad information and research. Mizanur Rahman completed his Masters and Ph.D. degree from the University of Bergen in Norway. Before that he completed his graduation in Zoology from University of Dhaka. The website is based on his previous research on the fish. He wishes to present it to the people who are interested to know about Hilsa through Internet. URL: <http://www.pathcom.com/~mizan>.

BCS Computer Show 2003

BCS (Bangladesh Computer Samity) is going to host the BCS Computer Show 2003 from January 12 to 18 at Bangladesh China Friendship Convention Centre (BCFCC). It will be the biggest gathering of ICT event ever held in Bangladesh. BCS expects around 300 companies from home and abroad will take part in this show. The honourable Prime Minister of People's Republic of Bangladesh Begum Khaleda Zia will inaugurate the show. Ali Ashfaq has been nominated by the executive council of BCS as the convener of BCS Computer Show 2003. Registration starts from August 01, 2002

Bangla ICT group at Yahoo!

Bangla ICT is a Bangladeshi information communications technology group at Yahoo! There are almost 700 member in this group from all over the world and most of them are Bangladeshi IT professionals. Recognition of Bangladesh as an emerging Silicon Delta is the vision of this group. With that vision held aloft, the group's primary objective is to exchange ideas, share articles, present the current trends, and introduce futuristic vision directly related to the real development of the IT sector in Bangladesh through e-mails. This IT forum, dedicated to the Bangladeshi IT professionals and students, hopes to make a difference in the years to come. IT professionals and students from Bangladesh are cordially invited to join this group to get an overview of the cutting edge, state-of-the-art technology and future job trends. Anyone can become a member of this group. First go to www.yahoo.com and then create a Yahoo id. Then go to Yahoo groups and type [bangla ict](http://www.yahoo.com) at the 'join group' field.

Free workshop on accounting software

Software development, implementation, research and training house IB Corporation has arranged a free workshop on Accounting, Inventory and MIS integrated Business Solution Software Accord, starting on the first week of August.

This workshop will be suitable for those who already have completed BCom/MCom in Accounting/Finance/Management/Marketing or BBA/MBA or are the student of CA courses/ICMA and Computer Science.

The workshop will span over a period of 6 hrs that will be conducted in three alternative days.

Interested participants are requested to contact: with a CV & one copy of passport size photographs to IB Corporation, 67/F, Green Road (Panthapath, adjacent to South Asia Hospital), Dhaka-1205. Tel: 9669379.

List of Examinations

Microsoft Corporation Microsoft Certified Professional (MCP) Microsoft Certified Systems Administrator (MCSA) Microsoft Certified Solution Developer (MCSD) Microsoft Certified Systems Engineer (MCSE) Microsoft Certified Application Developer (MCAD) Microsoft Certified Database Administrator (MCDBA) Microsoft Certified Trainer (MCT) Microsoft Office User Specialist (MOUS) Microsoft Office User Specialist (MOUS) Master Instructor	Oracle Corporation Oracle Database Administrator Oracle Certified Associate (OCA) DBA Oracle Certified Professional (OCP) DBA Oracle Certified Master (OCM) DBA Oracle Database Operator Oracle Certified Professional (OCP) DBO Oracle Developer Oracle Certified Professional Internet Application Developer Oracle Certified Application Developer Oracle Certified Java Developer	Certified Novell Administrator (CNA) Certified Novell Engineer (CNE) Master CNE Certified Directory Engineer (CDE) Certified Novell Instructor (CNI)
Sun Microsystems Java Platform Certification Sun Certified Programmer for Java 2 Platform 1.2 (SCJP) Sun Certified Developer for Java 2 Platform (SCJD) Sun Certified Web Component Developer for Java 2 Platform, Enterprise Edition (J2EE[tm]) Sun Certified Enterprise Architect for J2EE Technology (SCJA) iPlanet[tm] Application Server 6.0 Certification Sun Certified Developer for iPlanet Application Server 6.0 Solaris Operating Environment Sun Certified System Administrator for Solaris Operating Environment Sun Certified Network Administrator for Solaris Operating Environment Network Storage Sun Certified Data Management Engineer Sun Certified Backup and Recovery Engineer Sun Certified Storage Architect	Cisco Systems Network Installation and Support Certifications Cisco Certified Network Associate (CCNA) Cisco Certified Network Professional (CCNP) Cisco Certified Internetwork Expert (CCIE) Routing and Switching Network Engineering and Design Certifications Cisco Certified Design Associate (CCDA) Cisco Certified Design Professional (CCDP) Communications and Services Certifications Cisco Certified Internetwork Professional (CCIP) Cisco Certified Internetwork Expert (CCIE) Communications and Services	Citrix Systems Citrix Certified Administrator (CCA) Citrix Certified Enterprise Administrator (CCEA) Citrix Certified Sales Professional (CCSP) Citrix Certified Instructor (CCI)
Red Hat Corporation Red Hat Certified Engineer Program (RHCE) Red Hat Linux Essentials Red Hat Linux System Administration Red Hat Linux Networking and Security Administration Red Hat Certified Engineer Novell Inc.	CompTIA Computer Technology Industry Association (CompTIA) A+® - entry-level personal computer technology Certified Document Imaging Architect™ (CDIA+)	CompTIA Computer Technology Industry Association (CompTIA) A+® - entry-level personal computer technology Certified Document Imaging Architect™ (CDIA+)

New Tech

At Last - A Hardware Decoder For MPEG-4

Most video enthusiasts are all too aware of the fact that you can only play films in MPEG-4 or Divx format in full-screen mode smoothly by using a powerful PC system. So what's the point in spending entire days

downloading a long-awaited movie from the Internet, only to find you can't even play it properly? After all, not everyone has a high-speed processor with a high clock speed. To ensure that just about any Divx film can be played back without image dropouts, you should use at least an AMD Athlon with 800 MHz plus or an Intel Pentium III/733. Otherwise, you will very soon encounter image gremlins or errors, particularly if the image content is complex with numerous motion vectors. Videos with action scenes are good examples of this.



Dr. Tech

Q. Dear Dr. Tech I get an annoying network logon screen every time I boot Windows? What can I do to get rid of it?

1. Click Start, Settings, Control Panel
 2. Next, open the Network Icon.
 3. Finally, change the item in the Primary Network Logon drop down box to "Windows Logon". It's probably a good idea to write down whatever was in the "Primary Network Logon" box before you change it. Just in case...
 That's it. You should no longer have a logon screen pop up when you start Windows.

Email: dailystartech@yahoo.com

Star Tech Quiz

Check the box beside the correct answer

1. What does the term IRQ stand for?
 Input Request Que. Interrupt Request Queue
 Interrupt Request Input Request.

2. What is a cookie?
 Cooking software Web site
 Internet information file Hacker file

3. The windows registry consists of which two files?
 autoexec.bat, config.sys user.dat, win.ini
 user.dat, system.dat win.reg, user.dat

Name: _____ Occupation: _____
 Address: _____
 Contact Number: _____ E-mail: _____

Please fill this up and send your answers to Star Tech Quiz, The Daily Star, 19 Karwan Bazaar, Dhaka 1215. e-mail us at dailystartech@yahoo.com

Tech Tutorial

Learn Tweening in Macromedia Flash 5.0

IMAGINE that once upon a time there was a tailor shop with a Web site. Customers would go to this site and scroll through static images of different suits to decide on the one they wanted at least, that was the goal. In truth, most of the customers became bored with the site and went off to do something else. While the Web page served a purpose, it didn't really capture anyone's attention.

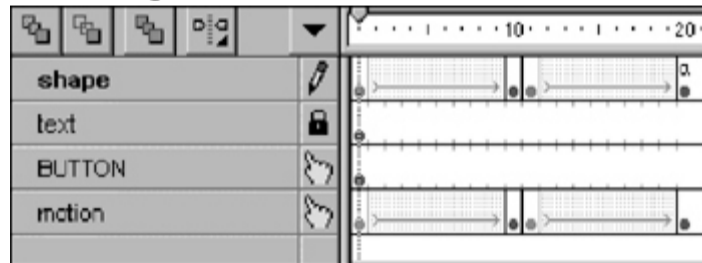
Now imagine you can add Flash to the site. Which will make it an interactive site that lets users view and design their own suits.

This tutorial will introduce you to Tweening in Flash 5.0. I hope this tutorial will be of use to those beginning Flash.

Tweening basically gives you the ability to make objects/shapes move without actually having to do it frame by frame. Here is an example below.

To do a shape tween (morph) keep these in mind:

The objects you are tweening need



to be broken apart, in other words they cannot be grouped images.
 Shape tweens are indicated by green circle with green arrow.

To do a motion tween keep these in mind:

The objects you are tweening need to be grouped together or symbols.

Motion tweens are indicated by red circle with red arrow.

They allow you to use automatic rotation, clockwise, or counterclockwise rotation.

It allows you to scale the objects and

move in certain directions.

To Tween in both cases you just need to double click the first frame that you will be tweening and select the "Tweening" tab and make your modifications under that tab. Flash should do the rest of the work for you as far as the movement and things.

For example to obtain an object moving the rotating and scaling at the same time, this is what I did:

1. Create a graphic symbol (F8)
2. Insert symbol onto stage in Frame 1, copy the frame and paste it into

Wireless and Mobile

Mobile phones and inner ear

Quasistatic zooming will help researchers calculate the amount of radiation from mobile phones absorbed by human tissue on scales of less than one millimetre.

A New technique has been developed by researchers in the Netherlands to look at the effect of radiation from mobile phones on complex structures like the inner ear and eye.

The technique called 'quasistatic zooming' will help researchers calculate the amount of radiation from mobile phones absorbed by human tissue on scales of less than one millimetre. The work is published in *Institute of Physics Journal, Physics in Medicine and Biology*. Concern about the potentially hazardous effects of mobile phones on human tissue has led to a great deal of research on the subject.

Using computer models of the head, the amount of electromagnetic radiation absorbed and the resulting increases in the temperature in the head have been calculated. One drawback of this research is that these computer models are very complicated and take a long time to do the calculations, so the models have to be simplified to make the experiments practical.

To keep the experiment time down, the computer calculates the amount of radiation absorbed on two millimetre sections of the head.

A resolution of two millimetres is adequate for studying the brain as it

does not have small-scale intricate features, but this is not high enough to test how mobile phones affect the inner ear and eye. To find out what is going on here, high-resolution simulations are needed.

To make higher-resolution simulations, researchers have developed a new technique that calculates the distribution of the absorbed radiation on a sub-millimetre scale from the conventionally computed, low-resolution distribution of the electric field.

This 'quasistatic zooming' allows the researchers to find the power distribution in the head, at a scale as low as 0.4mm, due to a radiating phone held next to the ear. Comparing their results with conventional calculations they found that the main part of the brain has the same power distribution due to the mobile phone, but the more intricate structures in the head absorbed the power of the mobile phone in a different way than had been seen before.

For example, a thin sheet of cerebral spinal fluid around the brain was seen to absorb more radiation at the surface of the brain than had been seen with the 2 mm resolution computer model.

Although the maximum increase



in temperature found in the head is less than 0.2 degrees centigrade as it was with lower resolution computer models, research must now be done with this higher resolution technique to check the impact of the mobile phones on the inner ear and eye and several other small-scale parts of the head.

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Source: Internet

Notice

The Daily Star science and technology page 'Star Tech' requests all interested companies, institutes, persons to send in their press release, news, information and articles regarding the page to: Nafid Imran Ahmed IT page In-charge The Daily Star 19 Karwan Bazar, Dhaka 1215 email: dailystartech@yahoo.com

Tech Tips

Printing, Just a Little

This tip will show you how to print out just a portion of an e-mail, web page, or other document. First, you need to know that this does not work with every system out there. This tip only works if both your printer driver and the software application you're using supports this little trick. So, take this for what it's worth. Here's how it usually works:

1. First, select the area you would like to print.
2. Next, from the file menu, select Print...
3. When the printer dialog box comes up, look for an option for "Selection", in a "Print Range" frame. Again, not all printers / software support this.
4. Click Print.

This week's price list

- Intel Pentium 4 1.7Ghz Processor with Intel 850C Mainboard & 128 Mb RAM package: Taka 22,000.
- RAM 128 Mb: Taka 1,450.
- Maxtor 60 GB Hard Disk: Taka 5,500.
- ASUS 52X CD ROM: Taka 1,750.
- AverMedia Ext TV Card Taka: 4,750.
- ASUS 64Mb 3D Graphics Card Taka: 4,500.
- Samsung Monitors 15" - Taka 5,850. 17" - Taka 9,500

Best 10 Websites

Category: Books



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