



Presidency University

IS/IT Services
Gulshan-2, Dhaka

Professional Hands-on (IT) Training Program' 2008

SL No.	Name of the Professional Training Programs	Day & Duration
01	IST 609 - Microsoft Windows Server 2003 Administration	
	<p>Course Description: This course provides students with the knowledge and skills to manage accounts and resources in a Microsoft Windows Server™ 2003 environment. The course is intended for systems administrator and systems engineer candidates who are responsible for managing accounts and resources. These tasks include managing user, computer, and group accounts; managing access to network resources; managing printers; managing an organizational unit in a network based on Active Directory® directory service; and implementing Group Policy to manage users and computers.</p>	<p>Duration: 3 weeks Class Duration: 3 hr. Total Class: 6 Days Total Hours: 18</p> <p>Methods of Teaching: ➤ Lecture 25% ➤ Lab Practice 75%</p>
02	IST 610 - Computer Networks & Data Communication	
	<p>Course Description: Principles, design, implementation, and performance of computer networks. Topics include: Internet protocols and routing, local area networks, TCP, performance analysis, congestion control, switching and routing, mobile IP, peer-to-peer overlay networks, network security, and other current research topics. Programming assignments will be on protocol implementation and analysis.</p>	<p>Duration: 3 weeks Class Duration: 3 hr. Total Class: 6 Days Total Hours: 18</p> <p>Methods of Teaching: ➤ Lecture 25% ➤ Lab Practice 75%</p>
03	IST 611 - TCP/IP Network with IPv4	
	<p>Course Description: This course provides both a theoretical and practical introduction to the TCP/IP (Transmission Control Protocol/Internet Protocol) Internet working protocols. Topics include Internet Addresses, DNS, ARP, UDP, TCP, IP, ICMP, DHCP, Application Layer and Client-Server Model, Routing Protocols, and selected network security topics. A TCP/IP network will be designed, configured, and managed using Linux in a laboratory environment. The necessary Linux background will be developed within this course. The course provides international comparisons in the design, purpose, and security of communications.</p>	<p>Duration: 3 weeks Class Duration: 3 hr. Total Class: 6 Days Total Hours: 18</p> <p>Methods of Teaching: ➤ Lecture 25% ➤ Lab Practice 75%</p>
04	IST 612 - MySQL & PHP (Complete Project)	
	<p>Course Description: This course shows you how to use the PHP scripting language and a web browser to access MySQL databases and tables. Simple and complex queries can be set up through a web page which calls a PHP script to carry out the enquiry. PHP can present the results of the query as a web page. PHP can also be used to provide a web interface to add, delete and edit rows of data in MySQL tables.</p>	<p>Duration: 3 weeks Class Duration: 3 hr. Total Class: 6 Days Total Hours: 18</p> <p>Methods of Teaching: ➤ Lecture 25% ➤ Lab Practice 75%</p>
05	IST 613 - Fundamental of Fedora Core – 6	
	<p>Course Description: The curriculum is designed to provide hands-on experience. Subjects focused on during this class include the Unix file system and how to manipulate it; the basic Unix notions of pipes, redirection, regular expressions, and other tools for performing complex tasks; the management of processes and jobs; vi, the standard Unix editor; and the ability to construct shell scripts to automate routine or difficult operations.</p>	<p>Duration: 3 weeks Class Duration: 3 hr. Total Class: 6 Days Total Hours: 18</p> <p>Methods of Teaching: ➤ Lecture 25% ➤ Lab Practice 75%</p>

06	IST 614 - Advanced Systems Administrator for Fedora Core - 6	
	<p>Course Description: Students interested in developing skills as network administrators find this course invaluable. Topics explored and implemented in the class include the setup and maintenance of many of the most popular network services available for Linux and Unix today, including servers for DNS, LDAP, Web (HTTP, HTTPS), FTP, SMB (Windows networking), and email (SMTP, POP3, IMAP). Special attention is paid to the concepts needed to implement these services securely, and to the trouble-shooting skills which will be necessary for real-world administration of network services.</p>	<p>Duration: 3 weeks Class Duration: 3 hr. Total Class: 6 Days Total Hours: 18</p> <p>Methods of Teaching: ➤ Lecture 25% ➤ Lab Practice 75%</p>
07	IST 615 - System Administration for the Solaris™ 9 OE	
	<p>Course Description: Sun Solaris provides students with the necessary knowledge and skills to perform essential system administration tasks in the Solaris 9 OE, such as installing software, managing file systems, performing system boot procedures, performing user and security administration, managing network printers and system processes, and performing system backups and restores. This course is the second of a two-part series that individuals take in preparation for Part I of the Sun Certified System</p>	<p>Duration: 3 weeks Class Duration: 3 hr. Total Class: 6 Days Total Hours: 18</p> <p>Methods of Teaching: ➤ Lecture 25% ➤ Lab Practice 75%</p>
08	IST 616 - Network Planning & Design with Cisco Router - 2621 (Simulation Practice)	
	<p>Course Description: Cisco Systems are the market leader in the supply of networking equipment for the internet. CCNA Module 2 covers the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/internet protocol (TCP/IP) addressing, routers, router configuration, routing and routing protocols, internetwork open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the components of networks that make up LANs, WANs and the internet. You will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 5-router topology.</p>	<p>Duration: 3 weeks Class Duration: 3 hr. Total Class: 6 Days Total Hours: 18</p> <p>Methods of Teaching: ➤ Lecture 25% ➤ Lab Practice 75%</p>
09	IST 617 - TCP/IP Networking with IPv6	
	<p>Course Description: This workshop aims to provide an understanding of the IPv6 protocol structure, address architecture, IPv6 operation and technical features, transition mechanisms and their challenges. IPv6 policy and allocation criteria will also be covered, and the current IPv6 deployment status will be discussed. In addition, IPv6 router configuration and the operation of an IPv6 in the network will be included.</p>	<p>Duration: 3 weeks Class Duration: 3 hr. Total Class: 6 Days Total Hours: 18</p> <p>Methods of Teaching: ➤ Lecture 25% ➤ Lab Practice 75%</p>
10	IST 618 - Linux Firewall with IPTABLES and Bandwidth Management	
	<p>This course is open to anyone who knows basic Linux Operating System knowledge, routing concepts and TCP/IP packet structure. The Network Administrators who design, implement and maintain intermediate devices to secure communication between networks with Protocol and port Filtering</p>	<p>Duration: 3 weeks Class Duration: 3 hr. Total Class: 6 Days Total Hours: 18</p> <p>Methods of Teaching: ➤ Lecture 25% ➤ Lab Practice 75%</p>

Program Schedule:	
Program Start:	21st of March 9, 2008
Class Time:	Friday (09:00 am – 12:00 pm) (06:00 pm – 09:00 pm) & Saturday (06:00 pm – 09:00 pm)
Tuition:	5000/- Taka for each course