

HEXAN[©]

“A foundational computer course for beginners and job seekers to develop essential knowledge and skills, with the opportunity to earn a BTTB registered certificate or diploma.”



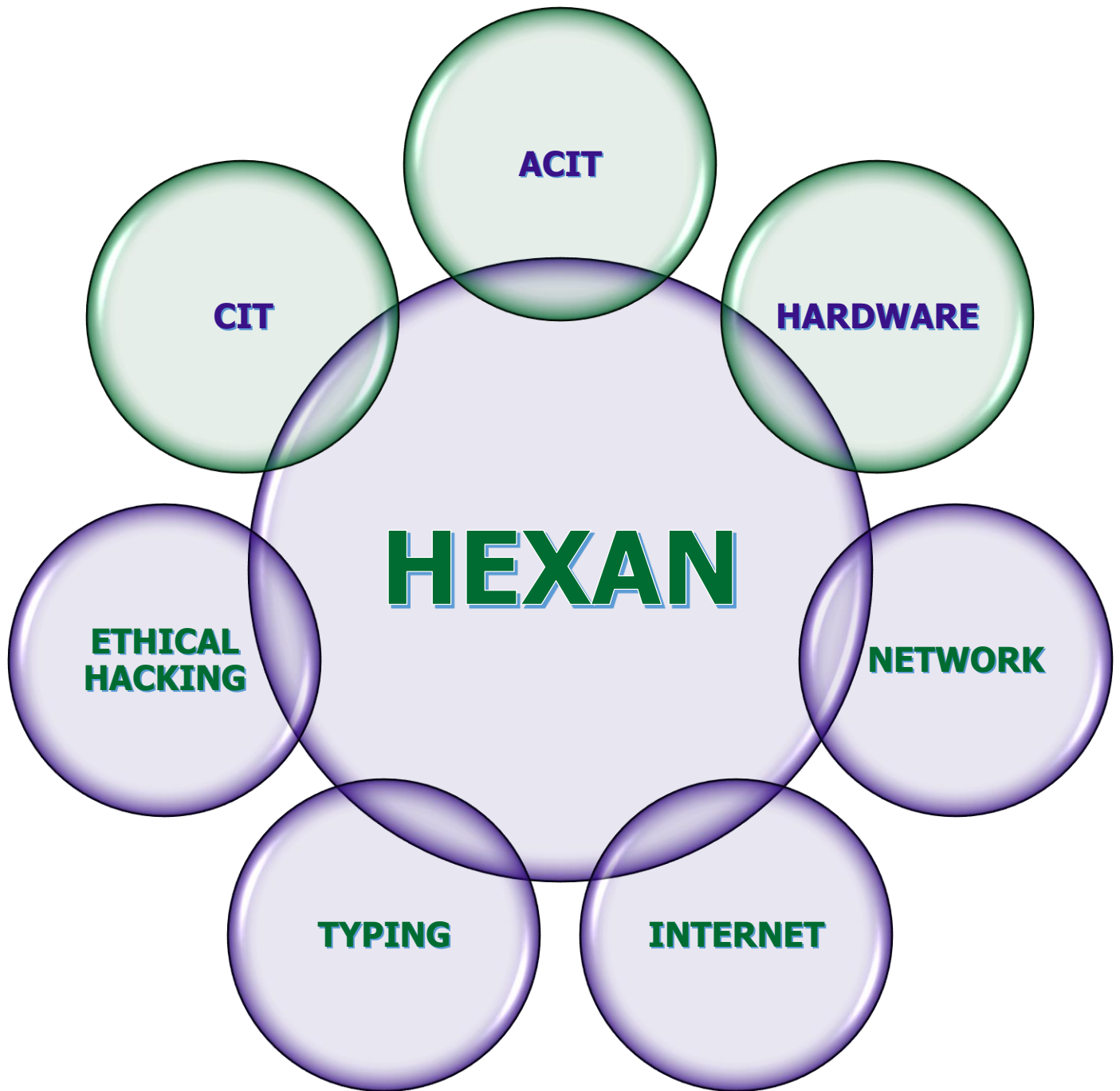
کمپیوٹر، سی سی ٹی وی کیمرہ، موبائل ریپیرنگ وسافٹ ویئر، اور
شارٹ ہینڈ کاتریتی ادارہ

QITEL® Provides IT/Computer, CCTV Camera,
Mobile Hardware/Software & Shorthand
Training in Quetta city.



QITEL® is registered and officially affiliated with BTTB (Baluchistan Trade Testing Board).

Board Reference#
616/TTB/QITEL/QTA/2018



Our [**Hexan**] course is first step in ICT/CS and is mandatory for everyone.

PKR. 200 Registration Fee for the 1st month only
PKR. 1000 Per Month

QUETTA INSTITUTE OF INFORMATION TECHNOLOGY AND ENGLISH LANGUAGE

TTB Registration No. 616/TTB/QITEL/QTA/2018
Official Website: https://www.qitel.edu.pk
Official Email Address: info@qitel.edu.pk
Official WhatsApp No. 0311-8377440
Official Address: Adjacent to Winsome English Language Center, Satellite Town, Block-4, Quetta

QIT COURSE OUTLINE- 6 MONTHS

- Basics**
 - Intro to Computer, Computer Science, & Information Technology
 - History of computer
 - Generations of computer
 - Types of computer
 - Classifications of computer
 - Characteristics of computer
 - Advantages and disadvantages of computer
 - Hardware vs software
 - Types of hardware and software
 - Printer and types of printer
 - Number system and their conversion (Binary and Decimal)
 - Computer viruses and its type
 - Fundamentals of OS (Microsoft Windows 7/10/11)
- Microsoft Office**
 - Microsoft Word
 - Microsoft Excel
 - Microsoft PowerPoint
- Programming Languages**
 - HTML
 - C
- Graphics Designing**
 - Inpage Urdu
 - CorelDRAW
- Computer Networking**
 - Basic Concepts, Designing Workgroup
- Internet**
 - Basic Concepts, Browsing, Downloading/ Uploading, E-Mail, Website

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ACIT COURSE OUTLINE- 6 MONTHS

- Database System**
 - o Microsoft Access
 - o SQL
- Apps Development**
 - o C/ C++
 - o VB
- Computer Network**
 - o Workgroup
 - o Domain
 - o Virtualization
- Frontend Web Development**
 - o HTML
 - o CSS
 - o JS

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PKR. 2200 complete course fee

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INTERNET COURSE OUTLINE- 1 MONTHS

- Internet History, Governance, and services
- Essential terminologies including but not limited to: Server, Client, Datacenter, CDN, VPN, proxies, web browser, chrome extensions, ISP, uploading, downloading, online, offline, MODEM, switch, router, submarine cable, fiber optic cable, twisted-pair cable, network, internetwork, LAN, WAN, WLAN, AP, SSID, Wi-Fi Key, Bandwidth, Cybercrime, scam, SERP, Firewall, Blog, Website, TLDs, ccTLDs, Domain Name, DNS, IP Address, URL
- Internet Vs. The Web
- Layers of Web
- Disable Windows Automatics Updates and update Windows Defender
- Fundamentals of Browsing, Surfing, and Navigation
- Search Engines and SEO
 - o Google, Bing, Yahoo
- Domain Registrar and Web Hosting Providers
- ChatGPT
- Social Media and SMM
 - o YouTube, WhatsApp, WhatsApp Web, Facebook
- E-Mail Addresses
 - o Google Mail, Microsoft Outlook, Apple iCloud
- Desktop Sharing and Remote Control
 - o Team Viewer, AnyDesk
- Website and Blogging
 - o 000webhost, Blogger, Wix
- Torrent
 - o Torrent clients and sites, downloading pirated apps
- Downloading & Uploading Media
- Download Devices Drivers
- File hosting services and synchronization
 - o Google Drive, Microsoft OneDrive
- Online News Papers, TV Channels, News Streaming
- FIA Cyber Crime Wing (CCW) and PECA 2016
- Google AdSense Vs. Google Ads

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HARDWARE COURSE OUTLINE- 1 MONTH

- Introduction
- Hardware vs Software
- Types of hardware and Software
- Basic parts of Computer (System Unit, Monitor, Keyboard, Mouse)
- Variants of Hard Drives: HDD, SSD, M1, M2
- FAT32 Vs. NTFS, MBR Vs. GPT, BIOS Vs. UEFI, 32-bit Vs. 64-bit Processor and Apps
- Memory and its types
- Disassembling and Assembling components of System Unit
- BIOS Settings:
 - o System specs, Boot Order, System password and Setup password, Enabling & disabling hardware components, Enabling virtualization, Date and time
- Operating System Installation and configurations
 - o Microsoft windows 7, Windows 8, Windows 10, Windows 11
 - o Linux
- Install, configure, and activate following apps:
 - o Microsoft Windows, Microsoft Office, CorelDraw, TypingMaster, PowerISO, Deep Freeze
- Show the contents in Drive having shortcut virus and remove it
- Norton Ghost & Disk Manager
- Devices Drivers
- Disable Windows Update and Update Windows Defender
- PowerISO
 - o Installing and configuring
 - o Creating CD/DVD/USB Images
 - o Mounting an image.
 - o Writing/Burning image on CD/DVD/BD
 - o Creating Single & Multi Bootable OS USB Flash Drive
 - o Creating Multi-Boot CD/DVD/BD
- Windows Restore Point
- Dual Drives Installation and Configurations
 - o Security System: Resetting Admin Passwords, System Key, PIN and Picture Passwords
- Third-Party Software
 - o WinRAR, Data Recovery, Antiviruses, USB Dumper
- Configure PC for fast running:
 - o Disable Automatic Windows Updates
 - o Replace HDD with SSD
 - o Empty Recycle Bin
 - o Disk Clean Up
 - o Uninstall unnecessary software
 - o Create New User Account
 - o Disable programs that run on startup
 - o Log out other user accounts
 - o Virtual Memory/ Page File
 - o Adjust Your PC for best performance
 - o Disk Defragmentation in HDD
 - o Delete Temporary files
 - o Change your power settings in Laptop
 - o Ready Boost with Flash Drive

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FOUNDATIONS OF ETHICAL HACKING (2 MONTH)

- Theory**
 - Intro to Ethical Hacking, Penetration Testing & Cybersecurity
 - CIA Triad
 - Types of Hackers
 - Essential terminologies
 - Network Vs. Internetwork Vs. Intranet Vs. Extranet
 - Layers of Web
 - Types of Networks; LAN, MAN, WAN, WLAN
 - Switch Vs. Router Vs. Access Point Vs. Firewall Vs. MODEM
 - Five Phases of ethical hacking
 - Malware and its types
 - Structure of URLs
 - Encryption, Decryption, and Hashing
 - Logical Vs. Physical Addresses
 - Port Numbers and its types
 - Ethical Hacking Certification programs and roadmaps
 - FIA Cyber Crime Wing (CCW) and PECA 2016
- Labs**
 - Set up Physical and Virtual lab using Oracle VM VirtualBox for Hands-on
 - Ensure Anonymity using proxychains, tor, & vps
 - Basics of Linux Terminal Emulator, Windows Commands Prompt, and PowerShell
 - ARP Poisoning and MITM attacks Ettercap
 - MAC and IP Address Spoofing
 - Password and Hash Cracking with john, ncrak,
 - Scanning and probing network with nmap, netdiscover, fping
 - Compromising a system with metasploit framework
 - Social Engineering/ Phishing Attacks
 - Packet Sniffing with Wireshark
 - Wi-Fi Hacking
 - Android Phone Hacking
 - Hosting Virtual Web Server with Kali
 - Cloning Websites with HTTrack
 - Third-party App including USBDumper, Keylogger, Reset Windows Password

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NETWORK COURSE OUTLINE- 1 MONTH

- Network Theory**
 - Introduction to and importance of networking
 - Types of networks (LAN, MAN, WAN)
 - Workgroup vs. Domain
 - Network topologies (bus, ring, star, hybrid)
 - Network media (guided & unguided)
 - Network devices (switch, AP, router, firewall)
 - Network addresses (logical & physical)
 - Classes of IPv4 addresses
 - Public vs. Private IP addresses
 - Data storage / transmission units & prefixes
- Network Labs**
 - Make straight-through, cross-over, and rollover cables
 - NIC/ WNIC installation & configuration
 - Workgroup**
 - o Designing and maintaining workgroup
 - o Folder and Drive sharing over workgroup
 - o Map network drive, Make available offline and Sync Center
 - o Remote desktop sharing, remote assistance, and Team viewer
 - o Printer, Game and Internet sharing
 - Domain**
 - o Install and Configure VirtualBox
 - o Demonstrate the Creation and deletion of three VMs
 - o Install Windows Server-20012, Windows 7, and Windows 10 in each VMs
 - o Configure and verify six networking options in each VMs
 - o Install following Roles and Features in Server:
 - o Active Directory domain services
 - o DNS server
 - o Promote server to a domain controller
 - o Demonstrate creating and deleting users, groups, and OUs
 - o Demonstrate adding and deleting users to a group/ OU
 - o Join and leave domain using remaining two VMs at client side
 - o Share a folder with specific users/ OU
 - o Create following policies at server side and verify them at client side:
 - o Prohibit access to control panel and PC settings
 - o Prevent access to drive in my computer
 - o Remove Task Manager

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TYPING COURSE OUTLINE- 2 MONTHS

- Introduction to:**
 - o Typing speed
 - o Typing speed units
 - o Typing apps
 - o Keyboard
- TypingMaster**
 - o Touch typing course
 - o Typing tests
 - o Typing games
- Notepad for typing**
 - o Typing magic sentences
- Inpage Urdu**
 - o Urdu typing
- Online typing**
 - o Intro to www.10fastfingers.com
 - o Typing for 1 minute
 - o Typing competitions
 - o Multiplayer typing

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فیس دیکھنے کیلئے نیچے لنک پر کلک کرے،
<https://wa.me/c/923118377440>



Certificate in Information Technology (CIT 6 Months)



Diploma in Information Technology (DIT 1 Year)

NAUTTC Islamabad کے نوٹیفکیشن کے مطابق کسی بھی سرکاری پوسٹ کے لئے صرف BTTB کا سرٹیفکیٹ ہی قابل قبول ہیں۔ لہذا QITEL® کے تمام طلباء و طالبات کو مطلع کیا جاتا ہے کہ وہ جلد از جلد BTTB سرٹیفکیٹ / ڈپلومہ کیلئے رجسٹریشن کروائیں۔

CONTACT AND FIND US

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2ND BRANCH

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Saturday & Sunday: **CLOSE**