POLICE TRAINING SCHOOL, JODHPUR
05 DAYS SEMINAR ON
" CYBER CRIME AWARENESS & INVESTIGATION "
(FOR ASSISTANT SUB-INSPECTOR TO SUB-INSPECTOR)

==

Computer Basics :- Definition, Hardware & Software, Functions of Computer System, Parts of Computer System, Introduction To Input-Output And Storage Devices, Memory(RAM, ROM)

Operating System :- Definition, Functions, Types of OS - CUI and GUI, PC Based OS (DOS, Windows, Linux and Mac OS. Mobile Operating Systems (Android, Windows, IOS)

Computer Networking :- Networks, Types of Network (LAN, WAN, MAN), Network Components (Hub, Switch, Router, Repeaters, NIC), IP Address (IPV4, IPV6)

Internet Basics :- What is Internet, ISP, Web Browsers, URL, Hyperlink, Web Server, Web Client Domain Name, Searching on Web

Working with Ms-Word:-Create Document, Save, Print, Formatting Document, Page Layout (Margin, Orientation, Size)

Working With Ms-Excel :-Create Table, Inserting Removing and Resizing Columns & Rows, Sorting and Filtering, Wrap Text, Merge and Center, Using Formulas

Cyber Crime :- Introduction, Types of Cybercrime, Preventions and How Computer System used as Tool or Target, Whom to approach after Cyber Crime.

Virtual Currency :- Concept of Virtual Currency, Currency flow and execution process, Concept of Block chain.

About Mobile :- Introduction to Mobile, Mobile Parts, Generation of Cellular Network. SIM, IMEI and IMSI Numbers.

Mobile Technology :- Mobile Technology Types (GSM,CDMA) GSM Architecture (MS,BTS,MSC etc.)

VPN :- VPN, Use of VPN, Types of VPN, VPN in Mobile Environment, Introduction to Different VPN Tools with Hands on Example.

Computer Virus :- Virus Definition, Types of Viruses, Virus Detection and Prevention, Antivirus.

Digital Forensic :- Mobile Phone Related Crimes, Digital Forensic Investigation Process.

Digital Evidence :- Nature and Sources, Presenting Digital Evidence in Court

Hash Tools :- Hash value calculation using different Techniques and Tools

E-Mail and IP Address Tracing :- E-Mail Ralated Frauds, E-Mail Header Analysis, IP Address Tracing

Cyber Crime Investigation & Recovery Tools :- Freeware tools for cyber crime Investigation: Sleuth Kit, Autopsy, Wireshark, PhotoRec)

Remote Access :- Meaning, Softwares (TeamViewer, AnyDesk, UltraViewer etc.)

Cloud Storage :- Use, Types of Cloud Storage, Examples of Cloud Storage.

VoIP :-VoIP calls and Virtual Numbers, Tracing of virtual numbers. VOIP Investigation with case studies.

IT Act 2000 :- Sections, Punishments, Amendments and Relation with IPC.

Dark Web and TOR Browser :- Concept of Deep Web, Darkweb and Darknet. Secured use of Darkweb using TOR Browser.

CDR :- What is CDR, Types, CDR Fields Descriptions, CDR Obtaining Process,

CDR Analysis :- In Ms-Excel using Vlookup, Pivot Table and Other Formulas.

CDR Analysis Tools :- Introduction to CDR Analysis Tools and Softwares

Banking Frauds :- Basic Banking Frauds And Online Frauds, ATM Card Related Frauds

Cyber Crime Investigation :- Pre Investigation Assessment, Scene of Offence. SOP, FIR, Chargesheet.

Cyber Crime Investigation :- Search and Seizure, Chain of Custody and Digital Evidence Collection Form. Legal Procedure to Post Seizure Evidence.

Phone Surveillance :- Meaning and Rules Related to Surveillance.

Mobile and Tower Location :- Use of Mobile and Tower Location in Crime Investigation, Tower Location Analysis.

Social Media Frauds :- Introduction to Social Media (Facebook, WhatsApp, Instagram etc.), Use of Social Media in Frauds and Crime, Investigation.

Case Study :- Payment Gateway Related Frauds / Crime - GOOGLE PAY, PAYTM, PHONEPE etc.

Case Study :- Online Banking, Cards and Wallet Related Frauds.