

# .Net (10 Days- 4 Sessions/Day)

## (Programming Language)

- Introduction to web technologies
- What is Web site/ Features of web sites / Usage of the web sites/ Types of Web Sites (Static & Dynamic) / Difference between static & dynamic web sites/What is Designing & Web Development
- HTML & CSS / What is HTML/What is Tag?/ Types of Tags with Syntax/ What is Attributes?
- HTML Page Structure/ Rules to be followed in HTML/ Writing a Sample HTML page/ What is CSS / CSS Features
- Types of CSS/ CSS Properties/ Class and ID Selectors/ Inline Style/Sheets / External Style Sheets
- Client Side Scripting language JavaScript/What is JavaScript?/ How to add JavaScript in HTML?/ How to include External JavaScript in HTML?
- JavaScript Comments/ JavaScript Keywords/Data Types in JavaScript/
- JavaScript Variables/ Key Difference between Var, Let, and Const/
- JavaScript Operators/ Conditional Statement
- Looping in JavaScript/ JavaScript Function/JavaScript Event Handling
- Overview of programming language c#/ OOPs-Concept
- OOPs-Programming Encapsulation.
- OOPs-Inheritance
- OOPs-Interface & Polymorphism
- Exception Handling
- ASP.NET Introduction and creating first web application/ What is Scripting / Client & Server Side Scripting/ Scripting Languages Introduction/ What is ASP. NET/ ASP.NET Features/ Creating first Web page/What is Web Form
- ASP.NET Standard Controls/ Label/ Literal/ Text Box/ Calendar
- Dropdown List/ List box/ Checkbox List/ Radio Button List/ Bulleted List
- Image and ImageMap Control/ FileUpload control/ Panel control/ Placeholder control
- ASP.NET Validation Controls/ Validating Form with Validation Controls of Asp.net/ Using RequiredFieldvalidator control/Using Compare Validator Control Using RangeValidator Control
- Using Custom Validator control/ Create Server-side / Client-side functions for – Custom Validator Control/Web user control/ Web Custom Controls

- ASP.NET Session Management/ About Cookies
- Application object/Session Object/ View State Object
- ASP.NET Data Binding with Controls/ GridView Control
- Dropdownlist/ Listbox/ BulletedList
- Checkboxlist / RadiobuttonList/ Detailsview/ DataList
- Master Pages & Navigation Controls/ What is Master Pages/Working on Master Pages/ About Navigation controls
- Menu control/Treeview Control/ SiteMap Path Control
- ASP.net Imp Files/ Web.config File/ Gloabal.asax File
- AJAX Extension Controls & AJAX Control ToolKit/ What is AJAX.
- About Script Manager Control/ About Update Panel control About Update
- Progress control.
- Web Services/What is Web Services
- Working on Web Services
  
- SQL Introduction
- Working on create tables,
- Key concept & Constraint
- Inserting, alternating
- Updating Tables
- Select Command
  
- Deploying Application/ What is Web Hosting/ About FTP
- How to Deploy ASP.Net application

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## **Forensic Cyber Crime** (5 Days- 4 Sessions/Day)

- Introduction of Cyber Crime- e-mail Frauds/ e-mail Spoofing/ e-mail Header & Tracing/ Hash value/ Steganography/ Encryption/ Phishing/ Smishing/ Web jacking/ Bullying etc.
- IP Address (Static, Dynamic, Public & Private)
- Network, Router, Network Topology /Proxy Server
- Safety Tips for protection/ Cyber Crime Investigation /CERT-IN/Tor Browser/Proton Mail
- Offences under IT Act & Case Study.
- Investigation of Social media activity/Data Extraction from Google/ Facebook & mobile safety.
- e Banking/ Flow of transaction/ Online Banking Frauds/Debit-Credit Cards Frauds
- Introduction to Forensic Tools Kit / FTK Imager/ Registry Viewer/ Seizing, Securing & Preserving Of Digital Evidences/Hard disk of PC-Laptop/MAC/ Mobile
- Voice Analyzer/ Image Analyzer / Cellebrite/ Write Blocker, Practical Copying/Backup/Imaging of digital evidence
- Analysis of digital evidence using Forensic Toolkit/ Report
- Mobile Forensic/ SIM/Evidence in mobile SIM/Handset/ Understanding Hacking Methods SQL injection/ Mobile data extraction/ Software Installation
- Mobile safety/ Securing Crimes Related Website Loose Loops Windows Hacking. Using of Google earth for Tower Location, etc, Tracking IP, safety from Hacking/ Securing Network
- Surveillance/ HLR/ VLR, Tower Dump Report / Network Service Provider/ CDR/ mtC, moC generation.
- CDR analysis using Excel, Tracking IP/IPDR & its analysis /VOIP Calls/
- Diversion & Case Study/ Hands on Practice
- Internet Tools/Google drive/ YouTube/Digi Locker/data.gov.in
- Police Website / Password Creation, /cloud/security awareness/ Digital Currency.
- Internet/ Web Browsers/ Email- Creating Account/Inbox/Compose/ Sending etc, Google drive/cloud, security awareness Password Creation

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# Office Automation & CPBS (5 Days- 4 Sessions/Day)

Colour Portrait Building System Software provided by NCRB

(To make Criminals Photos)

- Computer Basic Introduction / Binary Number, Operating System.
- Desktop/ Creating Directory, Folder Create, delete, Rename Managing user accounts, Printer Installation, Trouble Shooting
- Introduction To MS Word- Creating Word File/ Opening/ Editing/ Formatting. Bullet/Change case/Smart art/ Format Painter, Inserting Picture/clipart/ Shapes, Word art, symbols, Images, Tables, Chart, etc.
- Header, Footer, Page Number, Page Layout, Page Setup page background/ Watermark/ page color, Mail Merge, Desktop Publishing, Hyperlink, Page Border etc, Practical Session-of Mail Merging/ Problem Solving.
  
- Introduction To MS Excel- Creating/ Formatting Excel sheet Inserting/ Deleting Column/Row, Cell- height/ Merge & Centre /Wrap text, Formula
- Data- Sorting/ Split/ Freez /Hide/ Validation , Row to repeat at top/Filter, Calling data of one sheet to another.
- Chart creating, Page Layout, Printing, header, footer, Page Number, Page Break Preview, ETC.
- Creating use of Pivot table, Vlookup/ Hlookup with Practical/ Problem Solving.
  
- Introduction To MS PowerPoint- Creating/ Opening/ Insert- Delete slide, Insert Duplicate Slide/ Editing/ Formatting, Inserting symbol, shape, Text box, Background.
- Inserting word art, Clipart, Custom show, Customize , Animations, slide appearing effect Slide show, Auto show.
  
- Introduction of Color Portrait Building Software
- Installation of Software. Part I & II
- PBS Make Module- I
- Pbs Edit Module- I
- Hands on Practice/ Brief Discussion, Pbs Make Module- I
- Hands on Practice/ Pbs Edit Module- I
- Discussion/Queries
- Database Creation Part-II(Compdb)
- Data Merging Practical Session- Data base Creation of source data/all classes summary
- Internet/ Web Browsers/ Email- Creating Account/Inbox/Compose/ Sending etc, Google drive/Cloud, security awareness Password Creation

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# Office Automation & Advance course

(5 Days- 4 Sessions/Day)

- Computer Basic Introduction / Binary Number, Operating System.
- Desktop/ Creating Directory, Folder Create, delete, Rename Managing user accounts, Printer Installation, Trouble Shooting
- Introduction To MS Word- Word File, Bullet/Change case/Smart art/ Format Painter, Inserting Picture/clip art/Shapes, word art, symbols, Images, Tables, Chart, Coloum, Cover page, picture
- Header, Footer, Page Number, Page Layout, Page Setup page background/ Watermark/ page color, Desktop Publishing, Hyperlink, Page Border etc
- Mail Merging/ Macro/Markup/comments/ Compare/ Combine/Problem Solving
  
- Introduction To MS Excel- Creating/ Formatting Excel sheet Inserting/ Deleting Column/Row, Cell- height/ Merge & Centre /wraps text, formula tab,
- Data- Sorting/ Split/ Freez /Hide/ Validation , Row to repeat at top/Filter, Advance Filter, Calling data of one sheet to another, Smart art, consolidate, group, ungroup, text to column, column to text, Remove Duplicate,
- Vlookup, Hlookup, Chart creating, Page Layout, Printing, header, footer, Page Number, Page Break Preview,etc.
- Creating use of Pivot table, / Problem Solving
  
- Introduction To MS PowerPoint- Creating/ Opening/ Insert- Delete slide, Insert Duplicate Slide/ Editing/ Formatting, Inserting symbol, shape, Text box, Background, Design Tab.
- Inserting word art, Clip art, Sound, Video, Custom show, Hyperlink, Customize, Animations, slide appearing effect Slide show Tab, Auto show.
- Inserting page number, date and time, Copy and Paste from Word document and Excel worksheet, Different types of views, Printing slides, handout and notes pages
  
- Database concept, RDBMS, Introduction to MS Access
- Creating tabel, Field type & proprties
- Type of Queries-Select, Update, Append , Make tabel Query, Delete Query
- Creating/ Editing Froms, Reports
- All Query Problem Solving
  
- Internet/ Web Browsers/ Email- Creating Account/Inbox/Compose/ Sending etc, Google drive/cloud, security awareness Password Creation, Internet Tools/Google drive/ YouTube/Digi Locker/data.gov.in

# CCTNS

(5 Days- 4 Sessions/Day)

- Introduction Of CCTNS
- Registration and Investigation Module in CCTNS Application (CAS) (Complaints and FIR & GD entry), (IIF 1) Experience sharing of the participants Query session, Brief Discussion
- Registration and Investigation Module in CCTNS Application (IIF 2)
- Investigation Module of the CAS Arrest/Surrendered/ Seizure Memo Form (IIF3 & IIF 4)
  
- Preparation Charge sheet/ final Report (IIF5) & Court Disposal Form (IIF 6)
- Result of Appeal Form (IIF 7), Experience sharing of the participants Query session
- Hands on Practice/ Brief Discussion, Other registration forms
- Missing Person, Unidentified Found Person, Citizen Services
  
- Unnatural Death, Hands on Practice, Experience sharing of the participants, Query session
- Brief Discussion/ Non-Cognizable Offence Information Report, Lost Property
- Unclaimed Property, MLC, Stranger Roll, Preventive Action, Foreigner Registration, C-Form, Missing Cattle , Gang Profile Form (OCIS-1)
- Gang/Organization Criminal Activity Details(OCIS-2), Member Details Form(OCIS-3) Search & Query, dashboards and Digital Police Portal
  
- Data bank Services, Reports, Registers Hands on Practice (other forms, MLC, NCR, Missing Cattle, Unclaimed property)
- CCTNS Best Practices , Data quality, CCTNS Network Architecture, Challenges faced in CCTNS, Integration with other agencies
- ICJS & IGRS Portal, UP COP, UP Police PMS, Beat Prahari App, ITSSO
- CAS Public Reports, CM- Dashboard, Police Dashboard, Pragati Dashboard, Matching email to PS from NCRB, Unify Portal, Citizen Centric Services by NCRB (Missing Person, Vehicle Search etc.), VPN, Data Sync.
  
- Discussion on the issues received in training session Compilation of the feedback received from participants on CCTNS.
- Experience sharing of the participants Query session
- Internet/ Web Browsers/ Email- Creating Account/Inbox/Compose/ Sending etc, Google drive/cloud, security awareness Password Creation

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