



COMPUTER APPLICATION STANDARD 10TH

Programming & development

Course Curriculum



COMPUTER APPLICATION STD 10TH

Module 1 : Networking

❖ Internet

- World Wide Web
- web servers
- web clients
- websites
- web pages
- web browsers
- blogs
- news groups
- HTML
- web addresses
- e-mail addresses
- downloading and uploading files from a remote site

❖ Internet Protocols

- TCP/IP
- SMTP
- POP3
- HTTP
- HTTPS
- Remote login and file transfer protocols
- SSH
- SFTP
- FTP
- SCP
- TELNET
- SMTP
- TCP/IP



❖ Services available on the internet

- information retrieval
- locating sites using search engines
- finding people on the net



❖ Web services

- Chat
- Email
- video conferencing
- e-learning
- e-Banking
- eShopping
- e-Reservation
- e-Governance
- e-Groups
- social networking

❖ Mobile technologies

- SMS
- MMS
- 3G
- 4G

Module 2: HTML



❖ Introduction to web page designing using HTML

- create and save an HTML document
- access a web page using a web browser

❖ HTML tags

- Html
- Head
- Title
- Body
- Attributes
- Text
- Background
- Bgcolor
- Link
- Vlink
- alink)
- br (break)
- hr(horizontal rule)
- inserting comments
- h1..h6 (heading)



- p (paragraph)
- b (bold)
- i (italics)
- u (underline)
- ul (unordered list)
- ol (ordered list)
- li (list item)

❖ Description lists

- Dl
- Dt
- Dd
- Attributes of ol (start, type)
- ul (type)
- Font tags (attributes: face, size, color)

❖ Insert images

- img (attributes: src, width, height, alt)
- sup (superscript)
- sub (subscript)

❖ HTML Forms

- Textbox
- radio buttons
- checkbox
- password
- list
- combobox
- Embed audio and video in an HTML page

❖ Create a table using the tags

- Table
- Tr
- Th
- Td
- Rowspan
- Colspan





❖ Links

- significance of linking
- anchor element (attributes: href, mailto)
- targets

❖ Cascading style sheets

- Color
- background-color
- border style
- margin
- height
- width
- outline
- font (family, style, size)
- align
- float



Module 3: Cyberethics

- ❖ Netiquettes
- ❖ Software licenses and the open-source software movement
- ❖ Intellectual property rights, plagiarism, and digital property rights
- ❖ Freedom of information and the digital divide
- ❖ E-commerce: Privacy, fraud, secure data transmission