INTERNET AND WEB DESIGNING

(25% theory and 75% Practical)

MODULE 1 - Computer networks and its need - Networks topology - Types of networks - History of Internet - Concept of Internet and www - Working of Internet – Protocols - Web publications - Cyber space - Organisations of Internet management -.Application of Internet - World Wide Web, Search Engines, News groups, Electronic Mail,Web Portal, Chat, Video Conferencing, FTP, Remote Login, E-Commerce, E-Learning, E-Governance,E-Banking.Internet Security concept- Firewalls and types - Security products – Biometrics – Cryptography - Digital signatures and electronic signatures   (**18 hours**)

Module 2 - **Static Web Page Development**
Basics of HTML: Understanding HTML, Create a Web page,Linking to other Web Pages, Publishing HTML Pages, Text Alignment and Lists, TextFormatting Fonts Control, Email Links and link within a Page, Creating a Table, CreatingHTML Forms, Creating Web Page Graphics, Putting Graphics on a Web Page, CustomBackgrounds and Colors, Creating Animated Graphics.   (**30 hours**)

Module 3– Dynamic Web page Development
CSS – creating and editing cascading style sheets, Defining Style with HTML Tags, Features of Style Sheet, StyleProperties, Style Classes, and External Style Sheet.**Multimedia-** Sound - types of sound files, linking to sound files, embedding sound files **-** Video – Analog video, Digital video, webcams, Animation – Downloading animations, flash Publishing – Testing, Transferring to the web.**Publishing** - registering a site, marketing a site, maintaining a site, Domain names, web hosting.   (**30 hours**)

Module 4 - **JavaScript**

Introduction to JavaScript: Writing First Java Script, External JavaScript, Variables: Rules for variable names, declaring the variable, assign a value to a variable, Scope of variable, UsingOperators, Control Statements, JavaScript loops, JavaScript Functions: Defining a Function, Returning value from function, User defines function.

(15 hours)

Module 5 - **XML an Overview –** XML – XML DTD – Physical structures in XML – XML data – creating and validating a book description document in XML – placing XSL in perspective – XSL concepts – code walk through XSL - creating XSL style sheet – creating and using COM objects in XML - Creating blogs.

(**15hours**)

Recommended Books

1. HTML, XHTML & CSS (Visual Quick Start Guide Series)Sixth Edition by Elizabeth CastroISBN-10: 0321430840ISBN-13: 978-0321430847

2. Dreamweaver CS5 for Windows and Macintosh: Visual QuickStart Guide by Tom Negrino, Dori SmithISBN-10: 032170357XISBN-13: 978-0321703576

3. Flash CS5 Professional for Windows and Macintosh: Visual QuickStart Guide by Katherine UlrichISBN-10: 0321704460ISBN-13: 978-0321704467

4. Styling Web Pages with CSS: Visual QuickProject GuideBy Tom Negrino, Dori SmithISBN-10: 0-321-55557-0ISBN-13: 978-0-321-55557-1

5. Mary Millhollon ,et .al. *Easy Web Design*, PHI, New Delhi.

6. Nick Vandome .*Creating Web Pages*, DreamtechPublishers,New Delhi.

7. Mike McGrath .*HTML in Easy Steps*, Dreamtech Publishers, New Delhi.,

8. *Web designing and Production for Business*, Green Tech Books, Thiruvananthapuram

9. NIIT .*Basics of Website Design*

10. Millhollon&Castrina .*Faster Smarter Web Page Creation* ,PHI, New Delhi.