

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Semester: I

M.E. Information Technology

Subject Name: **Inter Disciplinary -1 – Internet Technology**

Sr.No	Course content
1.	Introduction: Introduction to Internet, History of Internet, Internet Standards, Practical uses of Internet.
2.	Component of the Internet: Connection requirements and options, Internet addressing, Internet standards, Web browser basics
3.	Building Blocks: Understanding protocols, Transmission Control Protocol/Internet Protocol, Name resolution protocols, Client-side protocols, Internet client infrastructure
4.	Components of web page: HTML, DHTML, CSS, JavaScript, XML; Website Design, Overview of Web Servers
5.	Core Components: Hardware platforms, Internet server components, Web servers, E-mail servers, FTP servers, Proxy servers, News servers, Directory servers, Mirrored servers.
6.	Networking Hardware and Software Components: Network Interface Cards, Network Cables, Network Connecting Devices etc.

Reference Books:

1. Computer Networks and Internets With Internet Applications By Douglas E Comer ,Pearson
2. Computer Network with Internet Protocols By William Stallings ,Pearson
3. Data Communication And Networking By B.Forouzan TMH Publication
4. Internet & World wide Web :How to Program By Deitel And Deitel ,Person
5. Dynamic HTML: The Definitive Reference (2nd Edition) – Danny Goodman; O'reilly (paperback)
6. HTML 4 Bible - Bryan Pfaffenberger, Bill Karrow; Paperback
7. HTML 4.01 Programmer's Reference – Chris Ullman, Sean Plamer, Simon Olive, Paperback