

Course: 201-2 - Introduction to Internet & HTML

Course Code:	201 – 2 (Elective Paper - II)
Course Title:	Introduction to Internet & HTML
Total Credits :	2 Credits
Nature of Subject :	Theory only
Teaching per Week:	2 Hours per week per Semester
Minimum weeks per Semester:	15 weeks (Including class work, examination, preparation etc.)
Review/Revision Year:	June, 2020
Purpose of Course :	<ul style="list-style-type: none"> - Internet is the global System of interconnected Computer Networks to interconnect with each device. - Internet involves functionalities and facilities such as Global Communication, Global Information Sharing, World Wide Services, understating of how it works and established to work on with is become essential to study. - The Study of securing Internet is become essential to make secure connections and securing private and confidential Data over the Network. - The technology used to create website which is platform for any users to interact with the Internet is also needed to learn.
Objective :	Objective of this course is to introduce essentials of Internet, www, HTML Language and related terminologies used to create website.
Pre-requisite:	None
Course Outcome :	<ul style="list-style-type: none"> - Students will be able to understand concept of Internet and WWW - Understand about Connections Establishment to make use of Internet. - Students will be able to understand fundamentals of developing website using HTML Technology.
Course Content:	<p><u>UNIT-1:</u> Introduction to Internet</p> <p>1.1 Concepts of Internet</p> <p style="padding-left: 20px;">1.1.1 Introduction to Internet</p> <p style="padding-left: 20px;">1.1.2 Evolution of Internet</p> <p style="padding-left: 20px;">1.1.3 Internet Services</p> <p style="padding-left: 20px;">1.1.4 Advantages and Disadvantages of Internet</p> <p>1.2 Internet Connections</p> <p style="padding-left: 20px;">1.2.1 Types of Internet connection (Dial-up Connection, Leased Connection, Broadband Connection, Wi-Fi, Mobile Broadband, Mobile Hotspot, Cable Model Connection)</p> <p style="padding-left: 20px;">1.2.2 Working of Internet</p> <p style="padding-left: 20px;">1.2.3 Difference between Internet, Intranet, Extranet</p>

UNIT-2: World Wide Web

2.1 Introduction to WWW

2.2 WWW Architecture

2.3 Introduction to Internet Protocols (TCP,IP, UDP, FTP, HTTP, (Only Introduction and their purpose))

2.4 ISP (Internet Service Provider)

2.5 Applications of Internet

2.5.1 Search Engine, Web Server, News Group

2.5.2 E-mail, E-Learning, E-Banking, E-Governance

2.5.3 Social Networking, Instant Massaging, IRC, Audio and Video Conferencing

UNIT-3: Internet Security and Privacy

3.1 Internet Security Overview

3.2 Data Encryption

3.2.1 Symmetric Key Encryption

3.2.2 Public Key Encryption

3.3 Concepts of Digital Signature

3.4 Concepts about Firewall Security

UNIT-4: HTML & Structure Web Page

4.1 Introduction to HTML

4.1.1 HTML introduction

4.1.2 Structure of HTML page

4.1.3 HTML Comments

4.2 HTML Elements (<h1>...<h6>, <p>,
, <a>,)

4.3 HTML Attributes (alt, href, src, width, height, style, title, id)

4.4 HTML Headings (<head>)

4.5 Text Formatting Tags(, ,<i>,,<mark>,<small>,,<ins>,<sub>,<sup>)

UNIT-5: Structuring Web Page using HTML

5.1 Tables

5.1.1 Table height and width

5.1.2 Table Caption

5.1.3 Cell padding and Cell Spacing

5.1.4 Column Span Row Span

5.2 Links and bookmarks

5.3 Forms

5.3.1 Form Attributes

5.3.2 Form Controls (Text Input, Select Box, Submit and Reset Button)

Reference Books:	<ol style="list-style-type: none"> 1. Internet- The Complete Reference, Margaret Levine Young- McGraw-Hill 2. The Rough Guide to The Internet- Rough Guides Limited 3. Introduction to Networking RecharMcMohan Tata McGraw Hill Publication 4. HTML Black Book – Steven Holzner – Dreamtech Press 5. Computer Network Fundamentals and application – R S Rajesh Vikas Publication 6. HTML for the World Wide Web, Fifth Edition, with XHTML and CSS- Peachpit Press 7. Advanced HTML companion – Keith S. & Roberts - AP Professional
Teaching Methodology:	Class Work, Discussion, Self-Study, Seminars and/or Assignments
Evaluation Method:	30% internal assessment. 70% External assessment