

# Syllabus – X (Information Technology)

## TERM-I (THEORY)

### Unit I: Basics of Information Technology

**Internet:** World Wide Web, Web servers, Web sites, Web Pages, Web Browsers, Blogs, Newsgroups, HTML, Web address, Email address, URL, HTTP;

Services available on Internet: Information Retrieval, Locating sites using search engines and finding people on the net, FTP, Downloading and Uploading files from or two remote site;

Web Services: Chat, email, Video Conferencing, e-Learning, e-Banking, e-Shopping, e-Reservation, e-Groups, Social Networking

### Unit II: Information Processing Tools

#### *Office Tools*

#### **Database Management Tool :**

Basic Concepts and need for a database, Creating a database, Data Types: Text, Number, date, Time, Setting the Primary Key, Entering data into a database, Inserting and deleting Fields, Inserting and deleting Records, Field Size, Default Value, Creating Query using design view only single Tab.

#### **Information Representation Methods**

#### **Hyper Text Markup Language**

Introduction to Web Page Designing using HTML, Creating and saving an HTML document, accessing a web page using a web browser (Internet Explorer, Mozilla Firefox, Opera, Apple Safari, Netscape Navigator, Google Chrome);

**Elements in HTML:** Container and Empty elements, Designing web pages using the following elements:

HTML, HEAD, TITLE, BODY (Attributes: BACKGROUND, BGCOLOR, TEXT, LINK, ALINK, VLINK, LEFTMARGIN, TOPMARGIN), FONT(Attributes: COLOR, SIZE, FACE),

BASEFONT(Attributes: COLOR, SIZE, FACE), CENTER, BR (Break), HR(Horizontal Rule, Attributes: SIZE, WIDTH, ALIGN, NOSHADE, COLOR), COMMENT, ! for comments, H1..H6

(Heading), P (Paragraph), B (Bold), I (Italics), U (Underline), UL & OL (Unordered List & Ordered List Attributes: TYPE, START), LI (List Item),

### **Unit III: IT Applications**

Students are suggested to work on the following areas using Database Management Tool on topics implementing the tools covered in the course.

#### **Domains:**

##### Business Computing

- Personal Data Record File
- School/Class Result Record
- Employee Payroll
- Stock Inventory
- Vehicle Parking Record File

##### Webpage Design

- My Home Page
- My School
- My Family