

CORE COURSE II -HTML AND WEB DESIGN

Semester : I

Course Code: PDR1CA2

CIA : 25

EXT : 75

Total : 100

Objectives:

- To know about internet
- To understand HTML and Web design
- To design webpages using HTML
- To design with CSS.
- To provide the knowledge to design static and dynamic web pages

UNIT – I Introduction to Internet

Computers in Business – Networking – E-Mail – Resource Sharing – WWW – Usenet – Telnet – Bulletin Board Service – Wide Area Information Service. Internet Technologies: Modem – Internet addressing – Physical Connections – Telephone Lines. Internet Browsers: Internet Explorer – Netscape Navigator.

UNIT – II Introduction to HTML

Designing a home page – History of HTML – HTML generations – HTML document – Anchor Tag – Hyper Links – Sample HTML documents. Head and Body Sections: Header section – Title – Prologue – Links – Colorful web Page – Comment lines.

UNIT – III Designing the Body Section

Header printing – Aligning the heading – Horizontal rule – Paragraph – Tab Settings – Images and Pictures – Embedding PNG format images. Ordered and Unordered Lists: Lists – Unordered Lists – Heading in a list – Ordered Lists – Nested Lists. Table Handling: Table creation in HTML – Width of the Table and cells – Cells – Spanning Multiple Rows / Columns – Coloring cells – Column specification.

UNIT – IV DHTML and Style Sheets

Designing Styles – Elements of Styles – Linking a style sheet to an HTML Document – Inline Styles – External Style Sheets – Internal Style Sheets – Multiple Styles.

UNIT – V Frames

Frame definition – Frameset definition – Nested Framesets. Web Page designing and forms.

UNIT – VI Latest Learning (for CIA only)

Latest development related to the course during the semester concern

Textbook:

1. “World Wide Web Design with HTML”, C Xavier, TMH, 2000.
[Unit-1 (Chapters - 1, 2, 3); Unit-2 (Chapters – 4, 5); Unit-3 (Chapters – 6, 7, 8);
Unit-4 (Chapters – 9); Unit-5 (Chapters – 10, 11)]

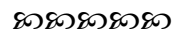
Reference Books:

1. Eric Ladd, Jim O’ Donnel, “Using HTML 4, XML and JAVA”, Prentice Hall of India – QUE, 1999.
2. “Web Designing”, HirdeshBhardwaj, Pothi.com; 1 edition (2016), ISBN-13: 978-1945919060
3. “Web Designing and Development: Training Guide”, by Satish Jain, BPB Publication; First edition (2015)

Course Outcomes:

After finishing the course, the students would be able to

- Get the concepts internet
- Understand internet, HTML and DHTML.
- Understand the skill & knowledge of Web page design.
- Design webpages using forms and frames.
- Understand, analyze and apply the role of HTML in web applications.
- Design both static and dynamic webpage



CORE COURSE IV - HTML AND WEB DESIGN PRACTICAL

Semester : I
Course Code: PDR1CA4P

CIA : 40
EXT : 60
Total : 100

Objectives:

- To understand HTML and Web design
 - To design web pages using HTML
 - To design with CSS.
 - To provide the knowledge to design static and dynamic web pages
1. Create your resume using HTML tags also experiment with suitable headings and horizontal rules, background color, text color and background image.
 2. Write HTML code for specifying different heading tags (<h1> ..</h1> to <h6> ..</h6>).
 3. Format the text by using formatting tags like bold italic and underline.
 4. Create web page which demonstrate the use of font tag.
 5. Demonstrate the use of subscript, super script, align tag.
 6. Write HTML program to create a simple Order list, Unordered list and definition list.
 7. Write HTML program to create nested list. Like fruits, vegetables, subjects etc.
 8. Demonstrate the use of preformatted text (<pre> ... </pre>).
 9. Write HTML code to create a web page of green color and display a moving message in red color.
 10. Write HTML program to create simple table as below :

Which is your favorite	Which is your favorite	Which is your favorite
Color	Fruit	Game
Red	Apple	Cricket
Green	Banana	Volly Ball
Yellow	Grapes	Bed Minton
Blue	Orange	Hockey

11. Write HTML program to create complex table. Like your Bio-Data, Mark sheet, Electricity bill, telephone bill, time – table etc.
12. Write html code to develop a webpage having two frames that divide the webpage into two equal rows and then divide the row into equal columns fill each frame with a different background color.
13. Write HTML program to e-mail registration form.
14. Create a web page that provides links to five different web pages or to entirely different websites.

15. Design a web page using Frames and Frameset for your college containing a description of the courses, departments, faculties, library etc , also use links , list tags, etc.

Course Outcomes:

After finishing the course, the students would be able to

- Understand basics of HTML
- Understand the skill & knowledge of Web page design.
- Design webpages using forms and frames.
- Understand, analyze and apply the role of HTML in web applications.
- Design both static and dynamic webpage

CORE COURSE VI – VISUAL PROGRAMMING

Semester : II

Course Code:PDR1CA6

CIA : 25

EXT : 75

Total : 100

Objectives:

- To inculcate knowledge on Programming and Project Development using Visual Basic.
- To learn the fundamentals of VB such as data types and control structures
- To improve knowledge about standard controls of VB
- To learn about the advanced controls of VB
- To inculcate knowledge about the Data controls of VB

UNIT-I Introduction to Visual Basic

Introduction – VB editor – Features of VB – Integrated Development Environment (IDE) features - customizing the IDE - Anatomy of a form - Working with form properties - setting form's properties - Introducing form events & form methods.

UNIT- II Variables, Data types and Arrays

Variables in Visual Basic: Declaring variables - Data types - Null value, Error value, Empty value - The scope of a variable - Module level variables - constants - Creating your own constants - scope of a constant - converting data types - arrays -declaring arrays - fixed size arrays - dynamic arrays -preserve keyword -REDIM

UNIT-III Control Structures

Writing code in Visual Basic: The anatomy of a procedure - subroutine and functions - language constructs: for, next, the while loop, select case, Exit statement, with structure.

UNIT-IV **Standard Controls**

Selecting & Using controls: Introducing to standard controls - label control - Text box – Command buttons - option buttons - check boxes - frame controls - list boxes - combo boxes - Image objects - picture boxes -Timer - scroll bars.

UNIT-V **Advanced controls and Data Control**

Advanced controls: File system controls - Rich textbox control - Menu Editor – Introduction to Data bases – Working with Data Controls

UNIT – VI Latest Learning (for CIA only)

Latest development related to the course during the semester concern

Text Book:

1. Mohammed. Azam, Programming with Visual Basic 6.0- VIKAS publishing House pvt. Ltd.,ISBN: 9788125909323, 812590932X

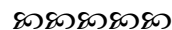
Reference Books:

1. McGrath, Mike," Visual Basic in Easy Steps",3rded, New York: Tata Mcgraw-Hill, 2011. ISBN: 978-0-07-107718-7
2. Halvorson, Michael," Microsoft Visual Basic 2008 Step By Step, New Delhi: PHI Learning Private Limited, 2008. ISBN: 978-81-203-3458-8.
3. Krishnan.N," Visual Basic 6.0 in 30 Days ",N Krishnan and N Saravanan. Chennai: Scitech Publication Pvt Ltd, 2006.
4. Steven Holzner,"Visual Basic 6 Programming Black Book", Dreamtech Press; 1 edition (2000), ISBN-13: 978-8177220537.
5. Bryan Newsome , "Beginning Visual Basic" 2015 1st Edition, Kindle Edition, ISBN: 1119092116.

Course Outcomes:

After finishing the course, the students would be able to

- Have knowledge on Programming and Project Development using Visual Basic and Interpret and report obtaining results
- Know about features and properties of VB
- Efficiently handle data types and control structures
- Achieve knowledge about standard controls of VB and distinguish and compose events and methods.
- Handle the advanced controls and Data controls of VB



CORE COURSE X – VISUAL PROGRAMMING PRACTICAL

Semester : II
Course Code:PDR1CA10P

CIA : 40
EXT : 60
Total : 100

Objectives:

- To inculcate knowledge on Programming and Project Development using Visual Basic.
- To learn the fundamentals of VB such as data types and control structures
- To improve knowledge about standard controls of VB
- To learn about the advanced controls of VB
- To inculcate knowledge about the Data controls of VB

Develop Visual Basic Project for the following

1. Building simple application
2. Application with multiple forms
3. Application with dialogues
4. Application with menus
5. Application using data control
6. Application using format dialogues
7. Drag and Drop events
8. Database Management
9. Creating ActiveX controls

Course Outcomes:

After finishing the course, the students would be able to

- Have knowledge on Programming and Project Development using Visual Basic and Interpret and report obtaining results
- Know about features and properties of VB
- Efficiently handle data types and control structures
- Achieve knowledge about standard controls of VB and distinguish and compose events and methods.
- Handle the advanced controls and Data controls of VB