

JUNIOR WEB PAGE DEVELOPER (JWPD)

Core Qualification File Syllabus

Learning Outcome Will be able to	Theory	Hrs	Practical	Hrs
<ul style="list-style-type: none"> • Demonstrate the basics of Internet like browsers, search engines, mail box and different internet services • Configure web server and create virtual directory 	UNIT:-1 1.1 INTERNET BASICS:- (A) Familiarity with internet browser (internet Explorer, Netscape Navigator, Google Chrome etc.) (B) Working with browser window tool bar, menu bar, Browser a given web site address searching a particular topic through search engines. (C) Familiarity with E-Mail, sending viewing printing e-mail message. Use of mailbox (inbox, outbox) in outlook express. Use of attachment facility available in e-mailing. (D) Concept and familiarity of various internet services (www, http, ftp) 1.2 WEB SERVER:- (A) Familiarity with web server – IIS, PWS etc. (B) Configuring web server – Creating virtual directory.	20	Create E-mail id in different browsers. Sending viewing and printing e-mail message. Use of mailbox (inbox, outbox) in outlook express. Use of attachment facility available in e-mailing. Working with various internet services (www, http and ftp). Working with web server – IIS, PWS etc. Configuring web server - creating virtual dictionary.	18
<ul style="list-style-type: none"> • Explain the concepts & usage of HTML • Create a static web page, with embedded image, table, hyperlink 	UNIT :-2 1.1 HTML (A) Creation of simple web pages using different basic tags viz <body>, , <href>, <table> etc. (B) Creation of simple HTML file using different suitable tags place it in web server and access it from client Browser. (C) Creating a HTML form incorporating GUI components (command button, text box, radiobutton, checkbox, combobox, etc.).	22	Create a static webpage using simple related tags like body with background color, picture etc. Align, font, BR etc. Embed An image within the page using src, height, width, border, align, all etc. Implement hyperlink between two html pages. Implement a table with size 4*4 on a page and insert some textual as well as numeric data in cells using proper tags for alignment.	24

<ul style="list-style-type: none"> • Explain creation of Active Server Pages • Work with the concepts of Script • Execute Database Management Through ASP • Develop a dynamic web page using scripting language • Create a web page by designing a login form with validation 	<p>UNIT:-3</p> <p>3.1 ACTIVE SERVER PAGES / ASP.NET:-</p> <p>(A) introduction to active server pages. (B) Elements of ASP (scripts, object, components). (C) Making your first active server page.</p> <p>3.2 INTRODUCTION OF SCRIPT:-</p> <p>(A) Variables. Mathematical operator, functions – logical operators, loop, conditional statements- string Function, date and time function. (B) Subroutine – Formatting Display, Adding components to script- handing event driven programming.</p> <p>3.3 DATABASE MANAGEMENT THROUGH ASP:-</p> <p>(A) Brief overview of activeX data objects. (B) Using ADODB to access a database from ASP (simple problem)- opening, closing database connection . (C) Executing simple SQL statements with select, from, where clause in ASP.</p>	30	<p>Generate dynamically web page using scripting language.</p> <ul style="list-style-type: none"> • Create database and connectivity or ODBC. • Design Login Form with validation <p>Working with SQL statements with select, from and where clause for executing simple queries in ASP</p> <ul style="list-style-type: none"> • Create database and connectivity or ODBC. • Design Login Form with validation <p>Working with SQL statements with select, from and where clause for executing simple queries in ASP</p>	30
Project				Hours
<p>Project 1: Create a Web Page for the following:</p> <p>JR COMPUTER TRAINING CENTRE(Horizontally scroll) Course Details(Blink)</p> <p>1.Computer In Certificate Basic 2. Diploma In Computer Application 3. Diploma In Financial Accounting 4. Diploma In Office Application</p> <p>Project 2: Design Login Form with validation</p> <p>Project 3: Create a short project regarding the maintenance of Login page. Detect an existing user, display invalid user_id and/or password. Create a new user, update information of an existing use etc.</p>				24 (8 hours each)

OUTCOMES

Outcomes to be assessed / NOSs to be assessed	Assessment criteria for the outcome
1.1 Demonstrate the basics of Internet like browsers, search engines, mail box and different internet services	<p>Trainees will be able to</p> <p>1.1.1 Identify various web browsers (Internet Explorer, Google Chrome etc.)</p> <p>1.1.2 Explain the search engine and search a particular topic through search engines.</p> <p>1.1.3 Demonstrate sending and receiving E mail, viewing & printing e-mail message.</p> <p>1.1.4 Use mailbox (inbox, outbox) in outlook express.</p> <p>1.1.5 Attach files in e-mail</p> <p>1.1.6 Explain abbreviation of various internet services (WWW, HTTP, FTP)</p>
1.2. Configure web server and create virtual directory	<p>Trainees will be able to</p> <p>1.2.1 Identify different Web Server (IIS, PSW)</p> <p>1.2.2 Explain various types Web Server (Dedicated Server, Non-Dedicated Server, IIS and PSW)</p> <p>1.2.3 Configure web server and Create virtual directory.</p>
2.1 Explain the concepts & usage of HTML	<p>Trainees will be able to</p> <p>2.1.1 Work with simple web pages using different tags.</p> <p>2.1.2 Place suitable HTML tags in to web server and access from client Browser.</p> <p>2.1.3 Demonstrate the use of HTML form include with Text box, Command button, radio button, check box and combo box.</p>
2.2. Create a static web page, with embedded image, table, hyperlink	<p>Trainees will be able to</p> <p>2.2.1. Create a static webpage using simple related tags like body with background color, picture etc. Align, font, BR etc.</p> <p>2.2.2 Embed An image within the page using src, height, width, border, align, all etc.</p> <p>2.2.3 Implement hyperlink between two html pages.</p> <p>2.2.4 Implement a table with size 4*4 on a page and insert some textual as well as numeric data in cells using proper tags for alignment.</p>

3.1 Explain creation of Active Server Pages	<p>Trainees will be able to</p> <p>3.1.1 Describe the active server pages</p> <p>3.1.2 Explain different Elements of ASP (scripts, object, and components).</p> <p>3.1.3 Explain creating first active server page.</p>
3.2 Work with the concepts of Script	<p>Trainees will be able to</p> <p>3.2.1 Explain Variables. Mathematical operator, functions – logical operators, loop, conditional statements- string Function, date and time function.</p> <p>3.2.2 Work with Subroutine – Formatting Display, Adding components to script- handling event driven programming.</p>
3.3 Execute Database Management Through ASP	<p>Trainees will be able to</p> <p>3.3.1 Explain overview of ActiveX data objects.</p> <p>3.3.2 Demonstrate use of ADODB to access a database from ASP (simple problem) -opening, closing database connection.</p> <p>3.3.3 Execute simple SQL statement (Select) in ASP.</p>
3.4. Develop a dynamic web page using scripting language	<p>Trainees will be able to</p> <p>3.4.1 Generate dynamic web page using scripting language.</p> <p>3.4.2 Create database and connectivity or ODBC.</p> <p>3.4.3.Design Login Form with validation</p> <p>3.4.4 Work with SQL statements with select, from and where clause for executing simple queries in ASP</p>
3.5. Create a web page by designing a login form with validation	<p>Trainees will be able to</p> <ul style="list-style-type: none"> ▪ Create a Web Page, ▪ Design Login Form with validation, ▪ Create a short project regarding the maintenance of Login page. ▪ Detect an existing user, display invalid user_id and/or password. ▪ Create a new user, update information of an existing use etc.