CSA4303 INTERNET PROGRAMMING with JQuery 3 0 2 4

Prerequisite- NIL

Course Objectives

The course on Internet Programming aims to provide the students with the following:

1.To understand Web Basics concepts.

2.To learn Client Side Scripting language.

3.To know Server Side Scripting language.

4.To know form validation and usage of XML.

5.To learn Web service architecture and build network applications.

Course Outcomes

On successful completion of the course, the student will be able to:

1.Designan Innovative User Interface using HTML and CSS.

2.Design and implement dynamic webpage with validation using JavaScript objects and by applying different event handling mechanisms.

3. Design and implement server side programs using Servlets and JSP

4. Design and implements web page in PHP, and to present data in XML.

5.Deploy Web services and understand various networking APIs.

6. Design Web page by applying different fame work tools

UNITI WEB SITE BASICS,HTML5,CSS3,WEB2.0

Configure LAMP/WAMP, Web Essentials: Clients, Servers and Communication–The Internet– Basic Internet protocols–Worldwideweb–HTTPRequestMessage–HTTPResponseMessage–WebClients–WebServers – HTML5–Tables–Lists–Image–HTML5controlelements–Semantic elements–Drag and Drop–Audio –Videocontrols-CSS3–Inline, embedded and external style sheets–Rulecascading–Inheritance–Backgrounds–BorderImages–Colors–Shadows–Text–Transformations–Transitions–Animations

UNITII CLIENT SIDE PROGRAMMING

JavaScript: An introduction to JavaScript–JavaScript DOM Model-Date and Objects, Regular Expressions-ExceptionHandling-Validation-Built-inobjects-EventHandling-DHTMLwithJavaScript -.AJAX: Ajax Client Server Architecture-XML Http Request Object-Call Back Methods. JSON introduction–Syntax–Function.

UNIT III SERVER SIDE PROGRAMMING

Servlets: Java Servlet Architecture-Servlet Life Cycle-Form GET and POST actions-Session Handling-UnderstandingCookies-InstallingandConfiguringApacheTomcatWebServer-Database Connectivity: JDBC perspectives, JDBC program example -JSP: Understanding Java Server Pages-JSP Standard Tag Library(JSTL)-Creating HTML forms by embedding JSP code

UNIT IV PHPANDXML

An introduction to PHP:PHP-Using PHP-Variables-Program control-Built-in functions-Form Validation-RegularExpressions-Filehandling–Cookies-ConnectingtoDatabase.XML:Basic XML-document Type Definition-XML Schema DOM and Presenting XML, XML Parsers and Validation, XSL and XSLT Transformation*.*

UNIT V WEB SERVICES AND NETWORK APPLICATIONS

Web Services: Introduction-Java web services Basics – Creating, Publishing, Testing and Describing a Web services(WSDL)-Consuming a web service, Database Driven web service from an application–SOAP.User Defined Protocol-Video Streaming-Network Buffer Optimization-M2M

Communication-Video Conferencing for Healthcare and E-Learning.

UNIT VI Wed Design with JQuery Tools

JQuery: Introduction- Selectors- Attributes, JQuery-CSS-DOM-Events, JQuery chaining – JQuery HTML: Get- Set- Add -Remove, JQuery Traversing JQuery UI-Effects-Interactions.

TEXTBOOK:

1.DeitelandDeitelandNieto,―Internetand World Wide Web-How to Program ‖,PrenticeHall, 5thEdition,2011.

REFERENCES:

1.StephenWynkoopandJohnBurke―RunningaPerfectWebsite‖,QUE,2ndEdition,1999.

2.Chris Bates,Web Programming – Building IntranetApplications,3rd Edition,Wiley Publications,2009.

3.JeffreyC andJackson,―WebTechnologiesA ComputerSciencePerspective‖,Pearson Education,2011.

4.GopalanN.P.andAkilandeswariJ.,―WebTechnology‖,PrenticeHallofIndia,2011.

5.UttamK.Roy,―WebTechnologies‖,OxfordUniversityPress,2011.

6.JavaNetworkProgramming,FourthEdition,byElliotteRustyHarold,Publishedby O’Reilly Media,Inc.,2014.