

1. Introduction to internet programming. [1]
2. Basics of HTML – table, hyperlink, form : ordered and unordered list, text box, text area box, check box, radio button, password field, submit and reset button. [3]
3. HTML frame – create frame set : use frame tags, create vertical frames, horizontal frames, use hyperlink tag to target displaying a HTML page to another frame. [3]
4. Java script introduction [1]
5. Form validation – validate the fields of a form, implement exception handling, program on image rollover, prompt, alert, array, looping, validate email, phone number using regular expression. [3]
6. CSS – colors, backgrounds, borders, margins, padding, height- width, text, fonts, links, list, tables, position, image. [3]
7. Client server programming using JAVA – chat server programming. [2]
8. Introduction to JSP – declarations, expressions, scriptlets, setting up a JSP environment with Tomcat apache server, some basic program of JSP, JSP model 1(http request, http response, web browser, database) [3]
9. Building a simple JSP application with JDBC ODBC connectivity. [2]
10. Create a web page that contain login information, after successful login user can search records, insert new entry, can modify existing information, delete unnecessary information. [2]
11. Assign projects to different group of students. [12]

Reference Book: Core Web Programming, 2nd Edition (Marty Hall)