INTERNET AND WEB TECHNOLOGIES LAB

Course Description and Objective:
This course is intended to teach the basics involved in publishing content on the World Wide Web. This includes the 'language of the Web' – HTML, the fundamentals of how the Internet and the Web function, a basic understanding of graphic production with a specific stress on creating graphics for the Web, and a general grounding introduction to more advanced topics such as programming and scripting. This will also expose students to the basic tools and applications used in Web publishing.

Course Outcomes:
The students will be able to:
- Analyze a web page and identify its elements and attributes.
- Create web pages using XHTML and Cascading Style Sheets.
- Build dynamic web pages using JavaScript (Client side programming).
- Create XML documents and Schemas.

1. Create a table in HTML to the following details

Book Name	Author
Operating Systems	Godbole
Data Communications and Networks	Godbole
Computer Networks	Rajkumar
OOPs	R.Nageswara Rao

2. Create a form by using various attributes of the input tags.

3. Create a web page multiple types of style sheet used in a single page.

4.Write a CGI sample program to send output back to the user.

5.Write a Java Script program by using variables.

6.Write a java script program to multiply two numbers and display the result in separate text box.

7.Write a java script program on Form Validations.

8.Write a AJAX program checking the presence of XMLHttpRequest object.

9.Write a program to create sales report for our books by using AJAX.

10.Create an XML document template to describe the result of students in an examination.The description should include the student's roll number,name,three subject names and marks,total marks,percentage and results.

11.Write an XSLT code to only retrieve the book titles and their prices.

12.Design a basic elements of a home page.

Reference Books:

1. Achyut Godbole,Atul Kahate"Web Technologies:TCP/IP,Web/Java Programming, and Cloud Computing",Third Edition,McGraw Hill Education.
2. Deitel, Deitel, Goldberg, "Internet & World Wide Web How to Program", Third Edition, Pearson Education, 2006.
3. Raj Kamal, "Internet and Web Technologies", Tata McGraw-Hill.