

**BSc (IT)**

**Web Technology**

**(LTP::4:1:1)**

**6 Credits**

## **UNIT I**

### **INTRODUCTION**

Internet Principles – Basic Web Concepts – Client/Server model – retrieving data from Internet – HTML and Scripting Languages – Standard Generalized Markup languages – Next Generation – Internet – Protocols and Applications.

## **UNIT II**

### **COMMON GATEWAY INTERFACE PROGRAMMING**

HTML forms – CGI Concepts – HTML tags Emulation – Server – Browser Communication – E-mail generation – CGI client-Side applets – CGI server applets – authorization and security.

## **UNIT III**

### **SCRIPTING LANGUAGES**

Dynamic HTML-Cascading style sheets-Object model and Event model- Filters and Transitions-Active X Controls-Multimedia-Client-side script - VB Script programming – Forms – Scripting object.

## **UNIT IV**

### **SERVER-SIDE PROGRAMMING**

XML – Server side includes – communication – DTD – Vocabularies – DOM methods – Firewalls-Proxy Servers.

### **SERVLETS AND JSP**

JSP Technology Introduction-JSP and Servlets- Running JSP Applications Basic JSP- JavaBeans Classes and JSP-Tag Libraries and Files- Support for the Model-View- Controller Paradigm- Case Study- Related Technologies.

## **TEXT BOOKS**

1. Deitel H.M. and Deitel P.J., “*Internet and World Wide Web How to program*”, Pearson International, 2012, 4th Edition. (Ch-1,4,5,6,12,14,26,27)  
Gopalan N.P. and Akilandeswari J., “*Web Technology*”, Prentice Hall of India, 2011.(Ch- 1 to 11)
2. Paul Dietel and Harvey Deitel,” *Java How to Program*”, Prentice Hall of India, 8th Edition. (Ch-29)

## **REFERENCES**

1. Mahesh P. Matha, “*Core Java A Comprehensive study*”, Prentice Hall of India, 2011.
2. Uttam K.Roy, “*Web Technologies*”, Oxford University Press, 2011.