

# PCIT4301 **INTERNET AND WEB TECHNOLOGY** (3-0-0)

## **Module –I (Lecture Hour 12)**

### **The Internet and WWW**

Understanding the WWW and the Internet, Emergence of Web, Web Servers, Web Browsers, Protocols, Building Web Sites

### **HTML**

Planning for designing Web pages, Model and structure for a Website, Developing Websites, Basic HTML using images links, Lists, Tables and Forms, Frames for designing a good interactive website

## **Module –II (Lecture Hour 12)**

### **JAVA Script**

Programming Fundamentals, Statements, Expressions, Operators, Popup Boxes, Control Statements, Try.... Catch Statement, Throw Statement, Objects of Javascript: Date object, array object, Boolean object, math object

### **CSS**

External Style Sheets, Internal Style Sheets, Inline Style, The class selector, div & span tag

### **DOM**

HTML DOM, inner HTML, Dynamic HTML (DHTML), DHTML form, XML DOM

## **Module –III (Lecture Hour 11)**

### **CGI/PERL**

Introduction to CGI, Testing & Debugging Perl CGI Script, Using Scalar variables and operators in Perl

### **Java Applet**

Introduction to Java, Writing Java Applets, Life cycle of applet

## **Textbooks**

1. Web Warrior Guide to Web Design Technologies, Don Gosselin, Joel Sklar & others, Cengage Learning

## **Reference Books**

1. Web Programming: Building Internet Applications, Chris Bates, Wiley Dreamtech
2. Programming the World Wide Web, Robert W Sebesta, Pearson
3. Web Technologies, Uttam K Roy, Oxford
4. Web Technology: A developer perspective, Gopalan & Akilandeswari, PHI