**Web Technologies and**

**Practical Website Designing and Development**

1. **MODULE – I**
   1. **Introduction to the Web**
   2. **Web-Server Platforms**
      1. **Stand-alone Platforms**
         1. Apache HTTP
         2. Apache Tomcat
         3. IIS
      2. **Integrated Platforms**
         1. LAMP and WAMP Stack
         2. XAMPP Stack
   3. **Front-end Design Technologies:** 
      1. **Presentation**
         1. SGML, HTML, and XML
         2. Structuring with SGML, HTML, and XML
         3. Controlling presentation through CSS
      2. **Front-end Scripting [Client-Side Scripting]**
         1. ActionScript
         2. JavaScript, or Jscript
         3. VBScript
   4. **Responsive Web Designing**
   5. **Back-end Scripting and Development [Server-Side Scripting]**
      1. Dynamic Page Generation with PHP
      2. Handling data with Mysql
2. **MODULE - II**
   1. **Practical Apache Web Server Administration**
      1. Configuring Apache
      2. Troubleshooting with Log Files
   2. **Content Management Systems**
      1. CMS Basics
      2. Choosing a CMS
      3. CMS Terminologies
      4. CMS Best Practices
   3. Site Building, Theming, Content Management and User Administration with **Joomla**
   4. Site Building, Theming, Content Management and User Administration with **Drupal**
   5. **Web Frameworks and Boilerplates**
      1. CSS Preprocessors
      2. The Gumby Framework, Google
      3. The Bootstrap Framework, Tweeter
      4. The Foundation Framework, Zurb
   6. **Managing, Publishing, and Reusing Web-Packages**
      1. Node.js: JavaScript runtime
      2. Bower: Package Manager for the web
      3. Panini: flat file compiler that powers prototyping template

* 1. **Web Security**
     1. Common Web Attacks
     2. Web Security Mechanisms