**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