CMP 483.3 Web Technology (3-0-3)

Course Contents:

1. **Fundamentals (6 hrs)**

1.1 Introduction to Internet, WWW, Web Browsers, Web Servers, URL, Multipurpose Internet Mail Extensions
1.2 Overview of different protocols: HTTP, POP, SMTP, FTP, WAP, Web Architecture, Web Standards
1.3 Domain name and hierarchy, domain name registration process, web hosting

2. **Introduction to HTML and XHTML (6 hrs)**

2.1 Origins and evaluation of HTML, Basic Syntax
2.2 Standard HTML Document Structure and Basic Text Formatting
2.3 Images, Hypertext Links, Lists, Tables, Frames, Forms, Multimedia in HTML

3. **Cascading Style Sheets (5 hrs)**

3.1 Introduction and Levels of Style Sheets
3.2 Style Specification Formats, Style classes, Properties and Property values, color, the <span> and <div> tags

4. **Introduction to Java Script (11 hrs)**

4.1 Basics of Java script and Document Object Model
4.2 Element Access in Java scripts, event and event handling
4.3 DOM Event Model and Element Positioning
4.4 Moving elements and Element visibility
4.5 Changing colors and fonts
4.6 Dynamic content and stacking elements
4.7 Locating the mouse cursor and reacting to a mouse click
4.8 Dragging and dropping elements

5. **Programming in PHP and MYSQL (17 hrs)**

5.1 Origins and Uses of PHP
5.2 Overview of PHP and General Syntactic Characteristics
5.3 Primitives, Operations, and Expressions
5.4 Output and Control Statements
5.5 Arrays, Functions, Basic Pattern Matching, Form Handling, Files Handling
5.6 Cookies, Session Tracking, Database Access with PHP and MySQL