



KONGU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE – 638 107

DEPARTMENT OF COMPUTER APPLICATIONS

VALUE ADDED COURSE – SYLLABUS

21VCAWD – WEB DEVELOPMENT WITH AJAX

Course Objective: To enable the students to understand the basic concepts of web development with AJAX.

UNIT I	HTML Basics	9 Hours
Introduction to HTML - Basic tags – Formatting – Tables – List – Links – Frames – Font, Background and Colors – Forms and Form Controls – HTML with CSS – HTML with Java script.		
UNIT II	Java Script Basics	7 Hours
Role of Java script in web development - variables, Operators, control structures and looping – Functions – events – Page redirect – Dialog box – Form Validation: Numeric, Alphanumeric, Email and character length validation.		
UNIT III	Cascading Style Sheet	8 Hours
Overview - Advantages - Style rules – Different selectors – Properties –Values - Embedded CSS – Internal and External CSS –Using Colors and color values.		
UNIT IV	Introduction to AJAX	6 Hours
What is AJAX – Role in web applications - Creating the XMLHttpRequest Object - AJAX Properties and Methods – Opening XMLHttpRequest Object – Ready State and Status Properties – Display the fetched data – Connect and send data to the server – using AJAX with XML.		
UNIT V	AJAX Based Practical's	10 Hours
Create a simple registration form using HTML - Check Empty field validation in JavaScript - Check Alphanumeric and numeric validation in JavaScript - Check mobile number and email address validation in JavaScript - Design a simple CSS and apply it to the registration form - Design a simple AJAX form to fetch data from file - Design a Login form using AJAX - Create a simple AJAX based auto complete system - Design a Comment/Reply system using AJAX – Downloading images with AJAX - Design a country, state and city selection system using AJAX.		
Total Hours		40 Hours



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