



II Year IISem	WEB TECHNOLOGIES	L	T	P	C
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Course code : 24BC4T12

Course Objectives:

- To Learn PHP language for serverside scripting
- To introduce XML and processing of XML Data with Java
- To introduce Serverside programming with Java Servlet and JSP
- To introduce Clientside scripting with JavaScript.

Unit I:

Web Basics- Introduction, Concept of Internet-History of Internet, Protocols of Internet, World Wide Web, URL, Web Server, Web Browser. **HTML-Introduction,** History of HTML Structure of HTML Document: Text Basics, Structure of HTML Document : Images and Multimedia, Links and webs, Document Layout, Creating Forms, Frames and Tables, Cascading style sheets.

Unit II:

XML Introduction- Introduction of XML XML: Introduction to XML, Defining XML tags, their attributes and values, Document Type Definition, XML Schemes, Document Object Model, XHTML Parsing XML Data – DOM and SAX Parsers in java.

Unit III:

Introduction to Servlet: Common Gateway Interface (CGI), Life cycle of a Servlet, deploying a Servlet, The Servlet API, Reading Servlet parameters, Reading Initialization parameters.

Unit IV:

Introduction to JSP: The Anatomy of a JSP Page, JSP Processing, Declarations, Directives, Expressions, Code Snippets, implicit objects, Using Beans in JSP Pages,
Client-side Scripting: Introduction to JavaScript, JavaScript language – declaring variables, scope of variables, functions. event handlers (on Click, on Submit etc.), Document Object

University Nominee Dr. Suneetha Eluri		Alumni Member Mr. Hari Suresh Poliseti	
Subject Expert: 1 Dr. B. Kezia Rani		Chairman Mr. AVS M Ganesh	
Subject Expert: 2 Dr. Suneel Kumar Duvvuri		Member Mr. G L N V S Kumar	
Representative From Industry Mr. Sai Krishna Narima		Member	



BONAM VENKATACHALMAYYA INSTITUTE OF TECHNOLOGY AND SCIENCE

(Autonomous)

BATLAPALEM, ANDHRA PRADESH, INDIA

BCABR24 II YEAR COURSE STRUCTURE

Applicable for batches admitted from 2024

Unit V:

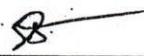
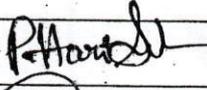
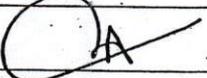
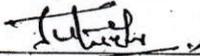
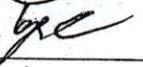
Introduction to PHP: Declaring variables, data types, arrays, strings, operators, expressions, control structures, functions, reading data from web form controls like text boxes, radio buttons, lists etc., Handling File Uploads. Connecting to database (My SQL as reference), executing simple queries, handling results, File operations like opening, closing, reading, writing, appending, deleting etc. on text and binary files, listing directories.

Text Books:

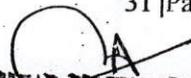
1. Web Technologies, Uttam K Roy, Oxford University Press.
2. The Complete Reference PHP—Steven Holzner Tata McGraw-Hill.

Reference Books:

1. Web Programming, building internet applications, Chris Bates 2nd edition, Wiley Dreamtech.
2. Java Server Pages—Hans Bergsten, SPDO'Reilly.
3. JavaScript, D. Flanagan
4. Beginning Web Programming—Jon Docket WROX.

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