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| 13CS4104 | - | WEB TECHNOLOGIES |

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| Hours / Week | : | 4 |  | Sessional Marks | : | 40 |
| Credits | : | 4 |  | End Examination Marks | : | 60 |

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| **UNIT – I** |
| **Introduction To Web Technology**: Web pages-types and issues, tiers, the concept of a tier, web pages, static web pages.**HTML**: Introduction to HTML, common tags, need for dynamic web pages.**Java Script**: Introduction to scripting, Control Structures-I, Control Structures-II, Functions, Arrays, Objects. |
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| **UNIT – II** |
| **DHTML**: Cascading style sheets, Document Object model and collections, Event Model.**XML**: basics of XML, DTD, XML Schema, XML vocabularies.**Web Servers**: IIS, Apache, & WAMP Servers. |
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| **UNIT – III** |
| **Java based Web Technologies**: Introduction to Java Servlets, Servlet Life Cycle, Http Servlet Class, Http Servlet Request & Response interfaces, Session Tracking, Cookies, Using JDBC from a Servlet Java Server Pages (JSP): Introduction to JSP, Elements in JSP. |
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| **UNIT – IV** |
| **Client Server Computing**: Introduction to Client/Server, Client server models, **Client/Server** **Architectures**: 2-Tier, 3-Tier and N-tier, Basic Building Blocks of Client Server, Building Blocks Arrangements, Server Scalability. |
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| **UNIT – V** |
| **PHP**: Overview of PHP, PHP Basics, String Processing & Regular Expressions, Connecting to a Database, Cookies using PHP. |
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| TEXT BOOKS |
| 1. Dietel and Nieto, Internet & World wide Web How to Program 4ed: PHI/Pearson Education Asia.
2. Client/Server Survival Guide, 3rd Edition by Dan Harkey.
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| REFERENCE BOOKS |
| 1. H. Schild, The Complete Reference JAVA2, 5 ed.: Tata McGraw Hill.
2. B. Boiko, Content Management Bible.
3. S. M. Grath, XML by Example, 5 ed.: Prentice Hall of India/Pearson Education. .
4. C. Bates, Web Programming building Internet Applications, 2 ed.: WILLEY Dream Tech.
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