

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA IN INFORMATION TECHNOLOGY
SEMESTER: V

Subject Name: **Dynamic Web Development**

| Sr. No. | Course content |
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| 1. | Introduction: Introduction to Internet History of Internet Internet Service Provider Domain Name System Web Server HTTP |
| 2. | Application of Internet: World Wide Web Search Engines Electronic Mail Web Portal Chat TELNET FTP servers Proxy servers News servers Directory servers |
| 3. | Introduction to HTML: HTML Tags Text formatting tags HTML List(Ordered Unordered) Adding Graphics Colors Frames Cascading style sheets and types HTML Forms: <ul style="list-style-type: none">• Text Box• Radio Button• Check box• List box• Buttons• Text Area |
| 4. | Components of Dynamic Web: VBScript XML XML elements XML attributes Extended Style sheet Language (XSL) Client Side Scripting |

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| 5. | Active Server Pages: Introduction to Active Server Pages Dynamic page handling by Web Server ASP Compatability Run ASP on PC ASP Syntax ASP Variables Difference between VBScript and Javascript ASP Objects |
| 6. | Communication with user: ASP Forms Request Object Methods, Properties, Collections Response Object Methods, Properties, Collectons Form Validation ASP Cookies Creating and Retrieving Cookies State Management in ASP Session Object Methods, Properties, Collections Retrieving variables with application Object Global.asa File Declaration, Example |
| 7. | Database Handling with ASP: Components of ASP Adrotator, Browser Capabilities Component ActiveX Data Objects (ADO) Communicating with Database using ODBC File DSN, System DSN, ODBC connection string Communicating with Database using OLE UDL, OLE connection string Connection, Recordset, Command Objects Recordset Object Cursors, Locks using Recordset Reading from Database Writing Into Database Updating database |

Reference Books:

1. Computer Networks and Internets with Internet Applications by Douglas E Comer, Pearson.
2. Internet & World wide Web: How to Program by Deitel and Deitel, Person.
3. HTML 4 Bible - Bryan Pfaffenberger, Bill Karrow; Paperback.
4. Beginning ASP 3.0- Wrox Publication.
5. Web Technology-Technical Publication.