III B.SC– V SEMESTER

WEB TECHNOLOGY

UNIT I

Introduction to HTML – Lists – Links - Tables-Frames-Forms. Introduction to DHTML – CSS – Attributes- Class – Layers. Introduction - Structure of Asp.Net – Asp.Net controls – Types – HTML controls - Form Validation control – RequiredFieldValidator control– ReqularExpressionValidator control – CompareValidator – RangeValidator control – ValidationSummary control.

UNIT II

ADO.NET – Introduction – Records manipulations using SQL Query - Records manipulations using Parameters - Records manipulations using SQL stored procedure. Web server controls – Label – TextBox – Button - RadioButton- RadioButtonList – CheckBox – CheckBoxList – DropDownList – ListBox - Repeater Control.

UNIT III

DataList –Operations on DataList – DataGrid: Bound Column - Hyperlink Column - Template Column - Button Column - Edit Command Column – Dataset: Operations on Dataset – DataTable: Dynamic Table Creation – Default Values – Unique Column – Autoincrement Column - Define Relationship between Tables – Schema Information- DataView: Filtering Rows – Sorting Rows – Finding Rows.

UNIT IV

ASP.NET Web Services: Introducing Web Services - Writing a Simple Web Service – Testing Web Service from Browser – Proxy Class – Web Service and Arrays- Web service and Classes - Web Service and DataSet - Web Service and Application State. ASP.NET Web Applications - Application Overview - Managing Application State - Global.asax File -Web.Config files.

UNIT V

Cache Services - Caching Overview - Page Output Caching - Page Fragment Caching - Page Data Caching- Error handling – Types of errors – Viewing an Errors – Page level

Error handling- Application level error handling. Application Tracing - Page level tracing – Application level tracing. ASP to ASP.NET Migration: Migration Overview - Syntax and Semantics.

Reference Books:

1. ASP.NET Unleashed – Stepen Walther **III B.SC– V SEMESTER**

Web Technology LAB

Implement the following concepts in HTML and DHTML.

1. Lists.

2. Links

3. Tables.

4. Frames.

5. Forms.

6. Class.

7. Layers.

Implement the following concepts in 'ASP.NET'.

1. Validation Controls: Required Field Validator Control, Regular Expression Validator Control, Compare Validator Control, Range Validator Control, Validation Summary Control.

2. ADO.Net Operations without Parameter: Selection Operations, Deletion Operation, Insert Operation, Update Operation.

3. ADO.Net Operations with Parameter: Selection Operations, Deletion Operation, Insert Operation, Update Operation

4. ADO.Net Operations using Stored Procedure: Selection Operations, Deletion Operation, Insert Operation, Update Operation.

5. Web Server Controls: Repeater Control, Radio Button List Control, Checkbox List Control, Dropdown List Control.

6. Data List Controls: Templates, Styles.

7. Data Grid Controls: Bound Column, Hyperlink Column, Template Column, and Button Column, Edit Command Column.

8. Data Table: Table Creation, Default Column, Auto Increment Column, Unique Column.

9. Data Tables: Relationship between tables, Schema Retrieving.

10. Data View: Filtering Records, Sorting Records, Finding Records.