

III BCA / VI Semester

JAVA And Asp.Net Lab

Java Lab

Applications

1. Determining the order of numbers generated randomly using Random Class.
2. Implementation of Point Class for Image manipulation.
3. Usage of Calendar Class and manipulation.
4. String manipulation using Char Array.
5. Database Creation for storing a e-mail addresses and manipulation.
6. Usage of Vector Classes.
7. Implementing Thread based applications and Exception handling.
8. Application using synchronization such as Thread based, Class based and synchronized statements.

Applets

1. Working with Frames and various controls.
2. Working with Dialogs and Menus.
3. Working with panel and Layout.
4. Incorporating graphics.
5. Working with Colors and Fonts.

Asp.Net Lab

1. Perform the following Client – Side validations using the following controls.
 - a. Required Field Validator control.
 - b. Regular Expression Validator control.
 - c. Compare Validator control.
 - d. Range Validator control.
 - e. Validation Summary control.

2. Perform the following operations in connectivity environment
 - a. Select the records from the Data Base table.
 - b. Insert the records into the Data Base table.
 - c. Delete the records from the Data Base table.
 - d. Update the records in the Data Base table.
3. Perform the following operations in connectivity environment using parameters.
 - a. Select the records from the Data Base table.
 - b. Insert the records into the Data Base table.
 - c. Delete the records from the Data Base table.
 - d. Update the records in the Data Base table.
4. Develop your own applications using stored procedures.
5. Perform the following operations in DataList control.
 - a. Bind any your own Data Source to DataList control.
 - b. Apply styles to DataList control.
 - c. Use Template with DataList control.
6. Perform the following operations in DataGrid control.
 - a. Bind any your own Data Source to DataGrid control.
 - b. Adding Bound column to DataGrid control
 - c. Adding Hyperlink column to DataGrid control
 - d. Adding Template column to DataGrid control
 - e. Adding Button column to DataGrid control
 - f. Adding Edit Command column to DataGrid control
7. Create the DataTable dynamically. Perform the following operations with DataTable control.
 - a. Assign Default values to columns
 - b. Making columns Unique.
 - c. Adding Auto Increment columns.
 - d. Update the records in a DataTable.

8. Perform the following operations with DataView
 - a. Bind any your own Data Source to DataView
 - b. Filter rows in a DataView
 - c. Sort rows in a DataView
 - d. Find rows in a DataView